



Red Hat Advanced Cluster Management for Kubernetes 2.10

APIs

APIs

APIs

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Abstract

View a list of APIs that you can use to create and manage application resources, channels, subscriptions, and to query information.

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CHAPTER 1. APIS

You can access APIs to create and manage application resources, channels, subscriptions, and to query information.

User required access: You can only perform actions that your role is assigned. Learn about access requirements from the [Role-based access control](#) documentation.

You can also access all APIs from the integrated console. From the **local-cluster** view, navigate to **Home > API Explorer** to explore API groups.

For more information, review the API documentation for each of the following resources:

- [Clusters API](#)
- [ClusterSets API \(v1beta2\)](#)
- [ClusterSetBindings API \(v1beta2\)](#)
- [Channels API](#)
- [Subscriptions API](#)
- [PlacementRules API \(deprecated\)](#)
- [Applications API](#)
- [Helm API](#)
- [Policy API](#)
- [Observability API](#)
- [Search query API](#)
- [MultiClusterHub API](#)
- [Placements API \(v1beta1\)](#)
- [PlacementDecisions API \(v1beta1\)](#)
- [DiscoveryConfig API](#)
- [DiscoveredCluster API](#)
- [AddOnDeploymentConfig API \(v1alpha1\)](#)
- [ClusterManagementAddOn API \(v1alpha1\)](#)
- [ManagedClusterAddOn API \(v1alpha1\)](#)
- [ManagedClusterSet API](#)
- [KlusterletConfig API \(v1alpha1\)](#)
- [Policy compliance API \(Technology Preview\)](#)

1.1. CLUSTERS API

1.1.1. Overview

This documentation is for the cluster resource for Red Hat Advanced Cluster Management for Kubernetes. Cluster resource has four possible requests: create, query, delete and update.

ManagedCluster represents the desired state and current status of a managed cluster.

ManagedCluster is a cluster-scoped resource.

1.1.1.1. Version information

Version : 2.10.0

1.1.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.1.1.3. Tags

- cluster.open-cluster-management.io : Create and manage clusters

1.1.2. Paths

1.1.2.1. Query all clusters

GET /cluster.open-cluster-management.io/v1/managedclusters

1.1.2.1.1. Description

Query your clusters for more details.

1.1.2.1.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |

1.1.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.1.2.1.4. Consumes

- **cluster/yaml**

1.1.2.1.5. Tags

- cluster.open-cluster-management.io

1.1.2.2. Create a cluster

POST /cluster.open-cluster-management.io/v1/managedclusters

1.1.2.2.1. Description

Create a cluster

1.1.2.2.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|-------------------------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Body | body <i>required</i> | Parameters describing the cluster to be created. | Cluster |

1.1.2.2.3. Responses

| HTTP Code | Description | Schema |
|-----------|--------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.1.2.2.4. Consumes

- **cluster/yaml**

1.1.2.2.5. Tags

- cluster.open-cluster-management.io

1.1.2.2.6. Example HTTP request

1.1.2.2.6.1. Request body

```
{
  "apiVersion": "cluster.open-cluster-management.io/v1",
  "kind": "ManagedCluster",
  "metadata": {
    "labels": {
      "vendor": "OpenShift"
    },
    "name": "cluster1"
  },
  "spec": {
    "hubAcceptsClient": true,
    "managedClusterClientConfigs": [
      {
        "caBundle": "test",
        "url": "https://test.com"
      }
    ]
  },
  "status": {}
}
```

1.1.2.3. Query a single cluster

```
GET /cluster.open-cluster-management.io/v1/managedclusters/{cluster_name}
```

1.1.2.3.1. Description

Query a single cluster for more details.

1.1.2.3.2. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | cluster_name <i>required</i> | Name of the cluster that you want to query. | string |

1.1.2.3.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.1.2.3.4. Tags

- cluster.open-cluster-management.io

1.1.2.4. Delete a cluster

DELETE /cluster.open-cluster-management.io/v1/managedclusters/{cluster_name}

DELETE /hive.openshift.io/v1/{cluster_name}/clusterdeployments/{cluster_name}

1.1.2.4.1. Description

Delete a single cluster

1.1.2.4.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |

| Type | Name | Description | Schema |
|------|--|--|--------|
| Path | cluster_name <i>required</i> | Name of the cluster that you want to delete. | string |

1.1.2.4.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.1.2.4.4. Tags

- cluster.open-cluster-management.io

1.1.3. Definitions

1.1.3.1. Cluster

| Name | Description | Schema |
|--------------------------------------|---|----------------------|
| apiVersion <i>required</i> | The versioned schema of the ManagedCluster . | string |
| kind <i>required</i> | String value that represents the REST resource. | string |
| metadata <i>required</i> | The metadata of the ManagedCluster . | object |
| spec <i>required</i> | The specification of the ManagedCluster . | spec |

spec

| Name | Description | Schema |
|---|--|---|
| hubAcceptsClient <i>required</i> | Specifies whether the hub can establish a connection with the kubernetes agent on the managed cluster. The default value is false , and can only be changed to true when you have an RBAC rule configured on the hub cluster that allows you to make updates to the virtual subresource of managedclusters/accept . | bool |
| managedClusterClientConfigs <i>optional</i> | Lists the apiserver addresses of the managed cluster. | managedClusterClientConfigs array |
| leaseDurationSeconds <i>optional</i> | Specifies the lease update time interval of the kubernetes agents on the managed cluster. By default, the kubernetes agent updates its lease every 60 seconds. | integer (int32) |
| taints <i>optional</i> | Prevents a managed cluster from being assigned to one or more managed cluster sets during scheduling. | taint array |

managedClusterClientConfigs

| Name | Description | Schema |
|------------------------------------|--|---------------|
| URL <i>required</i> | | string |
| CABundle <i>optional</i> | Pattern : <pre>"^([A-Za-z0-9+/]{4})*([A-Za-z0-9+/]{2}=[A-Za-z0-9+/]{3})?=\$"</pre> | string (byte) |

taint

| Name | Description | Schema |
|-------------------------------|---|--------|
| key <i>required</i> | The taint key that is applied to a cluster. | string |

| Name | Description | Schema |
|----------------------------------|--|--------|
| value <i>optional</i> | The taint value that corresponds to the taint key. | string |
| effect <i>optional</i> | Effect of the taint on placements that do not tolerate the taint. Valid values are NoSelect , PreferNoSelect , and NoSelectIfNew . | string |

1.2. CLUSTERSETS API (V1BETA2)

1.2.1. Overview

This documentation is for the ClusterSet resource for Red Hat Advanced Cluster Management for Kubernetes. The ClusterSet resource has four possible requests: create, query, delete, and update. The ManagedClusterSet defines a group of ManagedClusters. You can assign a ManagedCluster to a specific ManagedClusterSet by adding a label with the name **cluster.open-cluster-management.io/clusterSet** on the ManagedCluster that refers to the ManagedClusterSet. You can only add or remove this label on a ManagedCluster when you have an RBAC rule that allows the **create** permissions on a virtual subresource of **managedclustersets/join**. You must have this permission on both the source and the target ManagedClusterSets to update this label.

1.2.1.1. Version information

Version : 2.10.0

1.2.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.2.1.3. Tags

- cluster.open-cluster-management.io : Create and manage ClusterSets

1.2.2. Paths

1.2.2.1. Query all clustersets

GET /cluster.open-cluster-management.io/v1beta2/managedclustersets

1.2.2.1.1. Description

Query your ClusterSets for more details.

1.2.2.1.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |

1.2.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.2.2.1.4. Consumes

- **clusterset/yaml**

1.2.2.1.5. Tags

- cluster.open-cluster-management.io

1.2.2.2. Create a clusterset

POST /cluster.open-cluster-management.io/v1beta2/managedclustersets

1.2.2.2.1. Description

Create a Clusterset.

1.2.2.2.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|----------------------------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Body | body <i>required</i> | Parameters describing the clusterset to be created. | Clusterset |

1.2.2.2.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.2.2.2.4. Consumes

- **clusterset/yaml**

1.2.2.2.5. Tags

- cluster.open-cluster-management.io

1.2.2.2.6. Example HTTP request

1.2.2.2.6.1. Request body

```
{
  "apiVersion": "cluster.open-cluster-management.io/v1beta2",
  "kind": "ManagedClusterSet",
  "metadata": {
    "name": "clusterset1"
  },
  "spec": {
    "clusterSelector": {
      "selectorType": "ExclusiveClusterSetLabel"
    }
  },
  "status": {}
}
```

1.2.2.3. Query a single clusterset

```
GET /cluster.open-cluster-management.io/v1beta2/managedclustersets/{clusterset_name}
```

1.2.2.3.1. Description

Query a single clusterset for more details.

1.2.2.3.2. Parameters

| Type | Name | Description | Schema |
|--------|---|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | clusterset_name <i>required</i> | Name of the clusterset that you want to query. | string |

1.2.2.3.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.2.2.3.4. Tags

- cluster.open-cluster-management.io

1.2.2.4. Delete a clusterset

```
DELETE /cluster.open-cluster-management.io/v1beta2/managedclustersets/{clusterset_name}
```

1.2.2.4.1. Description

Delete a single clusterset.

1.2.2.4.2. Parameters

| Type | Name | Description | Schema |
|--------|---|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | clusterset_name <i>required</i> | Name of the clusterset that you want to delete. | string |

1.2.2.4.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.2.2.4.4. Tags

- cluster.open-cluster-management.io

1.2.3. Definitions

1.2.3.1. Clusterset

| Name | Schema |
|--------------------------------------|--------|
| apiVersion <i>required</i> | string |
| kind <i>required</i> | string |
| metadata <i>required</i> | object |

1.3. CLUSTERSETBINDINGS API (V1BETA2)

1.3.1. Overview

This documentation is for the ClusterSetBinding resource for Red Hat Advanced Cluster Management for Kubernetes. The ClusterSetBinding resource has four possible requests: create, query, delete, and update. ManagedClusterSetBinding projects a ManagedClusterSet into a certain namespace. You can create a ManagedClusterSetBinding in a namespace and bind it to a ManagedClusterSet if you have an RBAC rule that allows you to **create** on the virtual subresource of **managedclustersets/bind**.

1.3.1.1. Version information

Version : 2.10.0

1.3.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.3.1.3. Tags

- cluster.open-cluster-management.io : Create and manage clustersetbindings

1.3.2. Paths

1.3.2.1. Query all clustersetbindings

GET /cluster.open-cluster-management.io/v1beta2/namespaces/{namespace}/managedclustersetbindings

1.3.2.1.1. Description

Query your clustersetbindings for more details.

1.3.2.1.2. Parameters

| Type | Name | Description | Schema |
|--------|-------------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.3.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.3.2.1.4. Consumes

- **clustersetbinding/yaml**

1.3.2.1.5. Tags

- cluster.open-cluster-management.io

1.3.2.2. Create a clustersetbinding

POST /cluster.open-cluster-management.io/v1beta2/namespaces/{namespace}/managedclustersetbindings

1.3.2.2.1. Description

Create a clustersetbinding.

1.3.2.2.2. Parameters

| Type | Name | Description | Schema |
|--------|-------------------------------------|--|-----------------------------------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default . | string |
| Body | body <i>required</i> | Parameters describing the clustersetbinding to be created. | Clustersetbinding |

1.3.2.2.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.3.2.2.4. Consumes

- **clustersetbinding/yaml**

1.3.2.2.5. Tags

- cluster.open-cluster-management.io

1.3.2.2.6. Example HTTP request

1.3.2.2.6.1. Request body

```
{
  "apiVersion" : "cluster.open-cluster-management.io/v1beta2",
  "kind" : "ManagedClusterSetBinding",
  "metadata" : {
    "name" : "clusterset1",
    "namespace" : "ns1"
  },
  "spec": {
    "clusterSet": "clusterset1"
  },
  "status" : {}
}
```

1.3.2.3. Query a single clustersetbinding

```
GET /cluster.open-cluster-
management.io/v1beta2/namespaces/{namespace}/managedclustersetbindings/{clustersetbinding_name}
```

1.3.2.3.1. Description

Query a single clustersetbinding for more details.

1.3.2.3.2. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default . | string |
| Path | clustersetbinding_name <i>required</i> | Name of the clustersetbinding that you want to query. | string |

1.3.2.3.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.3.2.3.4. Tags

- cluster.open-cluster-management.io

1.3.2.4. Delete a clustersetbinding

DELETE /cluster.open-cluster-management.io/v1beta2/managedclustersetbindings/{clustersetbinding_name}

1.3.2.4.1. Description

Delete a single clustersetbinding.

1.3.2.4.2. Parameters

| Type | Name | Description | Schema |
|--------|--|--|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default . | string |
| Path | clustersetbinding_name <i>required</i> | Name of the clustersetbinding that you want to delete. | string |

1.3.2.4.3. Responses

| HTTP Code | Description | Schema |
|-----------|--------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.3.2.4.4. Tags

- cluster.open-cluster-management.io

1.3.3. Definitions

1.3.3.1. Clustersetbinding

| Name | Description | Schema |
|--------------------------------------|---|----------------------|
| apiVersion <i>required</i> | Versioned schema of the ManagedClusterSetBinding . | string |
| kind <i>required</i> | String value that represents the REST resource. | string |
| metadata <i>required</i> | Metadata of the ManagedClusterSetBinding . | object |
| spec <i>required</i> | Specification of the ManagedClusterSetBinding . | spec |

spec

| Name | Description | Schema |
|--------------------------------------|---|--------|
| clusterSet <i>required</i> | Name of the ManagedClusterSet to bind. It must match the instance name of the ManagedClusterSetBinding and cannot change after it is created. | string |

1.4. CLUSTERVIEW API (V1ALPHA1)

1.4.1. Overview

This documentation is for the **clusterview** resource for Red Hat Advanced Cluster Management for

Kubernetes. The **clusterview** resource provides a CLI command that enables you to view a list of the managed clusters and managed cluster sets that that you can access. The three possible requests are: list, get, and watch.

1.4.1.1. Version information

Version : 2.10.0

1.4.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.4.1.3. Tags

- `clusterview.open-cluster-management.io` : View a list of managed clusters that your ID can access.

1.4.2. Paths

1.4.2.1. Get managed clusters

GET /managedclusters.clusterview.open-cluster-management.io

1.4.2.1.1. Description

View a list of the managed clusters that you can access.

1.4.2.1.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |

1.4.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |

| HTTP Code | Description | Schema |
|-----------|---------------------|------------|
| 503 | Service unavailable | No Content |

1.4.2.1.4. Consumes

- **managedcluster/yaml**

1.4.2.1.5. Tags

- `clusterview.open-cluster-management.io`

1.4.2.2. List managed clusters

LIST `/managedclusters.clusterview.open-cluster-management.io`

1.4.2.2.1. Description

View a list of the managed clusters that you can access.

1.4.2.2.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Body | body <i>optional</i> | Name of the user ID for which you want to list the managed clusters. | string |

1.4.2.2.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.4.2.2.4. Consumes

- **managedcluster/yaml**

1.4.2.2.5. Tags

- `clusterview.open-cluster-management.io`

1.4.2.2.6. Example HTTP request

1.4.2.2.6.1. Request body

```
{
  "apiVersion" : "clusterview.open-cluster-management.io/v1alpha1",
  "kind" : "ClusterView",
  "metadata" : {
    "name" : "<user_ID>"
  },
  "spec": { },
  "status" : { }
}
```

1.4.2.3. Watch the managed cluster sets

WATCH /managedclusters.clusterview.open-cluster-management.io

1.4.2.3.1. Description

Watch the managed clusters that you can access.

1.4.2.3.2. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | clusterview_name <i>optional</i> | Name of the user ID that you want to watch. | string |

1.4.2.3.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.4.2.4. List the managed cluster sets.

GET /managedclustersets.clusterview.open-cluster-management.io

1.4.2.4.1. Description

List the managed clusters that you can access.

1.4.2.4.2. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | clusterview_name <i>optional</i> | Name of the user ID that you want to watch. | string |

1.4.2.4.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.4.2.5. List the managed cluster sets.

LIST /managedclustersets.clusterview.open-cluster-management.io

1.4.2.5.1. Description

List the managed clusters that you can access.

1.4.2.5.2. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | clusterview_name <i>optional</i> | Name of the user ID that you want to watch. | string |

1.4.2.5.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.4.2.6. Watch the managed cluster sets.

WATCH /managedclustersets.clusterview.open-cluster-management.io

1.4.2.6.1. Description

Watch the managed clusters that you can access.

1.4.2.6.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |

| Type | Name | Description | Schema |
|------|--|---|--------|
| Path | <code>clusterview_name</code> <i>optional</i> | Name of the user ID that you want to watch. | string |

1.4.2.6.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.5. CHANNELS API

1.5.1. Overview

This documentation is for the Channel resource for Red Hat Advanced Cluster Management for Kubernetes. The Channel resource has four possible requests: create, query, delete and update.

1.5.1.1. Version information

Version : 2.10.0

1.5.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.5.1.3. Tags

- `channels.apps.open-cluster-management.io` : Create and manage deployables

1.5.2. Paths

1.5.2.1. Create a channel

POST /apps.open-cluster-management.io/v1/namespaces/{namespace}/channels

1.5.2.1.1. Description

Create a channel.

1.5.2.1.2. Parameters

| Type | Name | Description | Schema |
|--------|-------------------------------------|--|-------------------------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |
| Body | body <i>required</i> | Parameters describing the deployable to be created. | Channel |

1.5.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.5.2.1.4. Consumes

- **application/yaml**

1.5.2.1.5. Tags

- channels.apps.open-cluster-management.io

1.5.2.1.6. Example HTTP request

1.5.2.1.6.1. Request body

```
{
  "apiVersion": "apps.open-cluster-management.io/v1",
  "kind": "Channel",
  "metadata": {
    "name": "sample-channel",
```

```

    "namespace": "default"
  },
  "spec": {
    "configMapRef": {
      "kind": "configmap",
      "name": "bookinfo-resource-filter-configmap"
    },
    "pathname": "https://charts.helm.sh/stable",
    "type": "HelmRepo"
  }
}

```

1.5.2.2. Query all channels for the target namespace

```
GET /apps.open-cluster-management.io/v1/namespaces/{namespace}/channels
```

1.5.2.2.1. Description

Query your channels for more details.

1.5.2.2.2. Parameters

| Type | Name | Description | Schema |
|--------|-------------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.5.2.2.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.5.2.2.4. Consumes

- **application/yaml**

1.5.2.2.5. Tags

- channels.apps.open-cluster-management.io

1.5.2.3. Query a single channels of a namespace

```
GET /apps.open-cluster-management.io/v1/namespaces/{namespace}/channels/{channel_name}
```

1.5.2.3.1. Description

Query a single channels for more details.

1.5.2.3.2. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | channel_name <i>required</i> | Name of the deployable that you wan to query. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.5.2.3.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.5.2.3.4. Tags

- channels.apps.open-cluster-management.io

1.5.2.4. Delete a Channel

```
DELETE /apps.open-cluster-management.io/v1/namespaces/{namespace}/channels/{channel_name}
```

1.5.2.4.1. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | channel_name <i>required</i> | Name of the Channel that you want to delete. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.5.2.4.2. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.5.2.4.3. Tags

- `channels.apps.open-cluster-management.io`

1.5.3. Definitions

1.5.3.1. Channel

| Name | Schema |
|--------------------------------------|--------|
| apiVersion <i>required</i> | string |
| kind <i>required</i> | string |
| metadata <i>required</i> | object |

| Name | Schema |
|--------------------------------|----------------------|
| spec <i>required</i> | spec |

spec

| Name | Description | Schema |
|--|---|--|
| configMapRef <i>optional</i> | ObjectReference contains enough information to let you inspect or modify the referred object. | configMapRef |
| gates <i>optional</i> | ChannelGate defines criteria for promote to channel | gates |
| pathname <i>required</i> | | string |
| secretRef <i>optional</i> | ObjectReference contains enough information to let you inspect or modify the referred object. | secretRef |
| sourceNamespaces <i>optional</i> | | enum (Namespace, HelmRepo, ObjectBucket, Git, namespace, helmrepo, objectbucket, github) array |

configMapRef

| Name | Description | Schema |
|--------------------------------------|--|--------|
| apiVersion <i>optional</i> | API version of the referent. | string |
| fieldPath <i>optional</i> | If referring to a piece of an object instead of an entire object, this string should contain a valid JSON/Go field access statement, such as <code>desiredState.manifest.containers[2]</code> . For example, if the object reference is to a container within a pod, this would take on a value like: <code>"spec.containers{name}"</code> (where "name" refers to the name of the container that triggered the event) or if no container name is specified <code>"spec.containers[2]"</code> (container with index 2 in this pod). This syntax is chosen only to have some well-defined way of referencing a part of an object. TODO: this design is not final and this field is subject to change in the future. | string |

| Name | Description | Schema |
|---|---|---|
| kind <i>optional</i> | Kind of the referent. More info: https://kubernetes.io/docs/concepts/overview/working-with-objects/kubernetes-objects/ | name <i>optional</i> |
| Name of the referent. More info: Names | string | namespace <i>optional</i> |
| Namespace of the referent. More info: https://kubernetes.io/docs/concepts/overview/working-with-objects/namespaces/ | string | resourceVersion <i>optional</i> |
| Specific resourceVersion to which this reference is made, if any. More info: https://git.k8s.io/community/contributors/devel/api-conventions.md#concurrency-control-and-consistency | string | uid <i>optional</i> |

gates

| Name | Description | Schema |
|---|---|-------------------------------|
| annotations <i>optional</i> | typical annotations of k8s | annotations |
| labelSelector <i>optional</i> | A label selector is a label query over a set of resources. The result of matchLabels and matchExpressions are ANDed. An empty label selector matches all objects. A null label selector matches no objects. | labelSelector |
| name <i>optional</i> | | string |

annotations

| Name | Schema |
|---------------------------------|--------|
| key <i>optional</i> | string |
| value <i>optional</i> | string |

labelSelector

| Name | Description | Schema |
|--|---|--|
| matchExpressions <i>optional</i> | matchExpressions is a list of label selector requirements. The requirements are ANDed. | matchExpressions array |
| matchLabels <i>optional</i> | matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed. | string, string map |

matchExpressions

| Name | Description | Schema |
|------------------------------------|--|--------------|
| key <i>required</i> | key is the label key that the selector applies to. | string |
| operator <i>required</i> | operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist. | string |
| values <i>optional</i> | values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch. | string array |

secretRef

| Name | Description | Schema |
|--------------------------------------|------------------------------|--------|
| apiVersion <i>optional</i> | API version of the referent. | string |

| Name | Description | Schema |
|---|--|--------|
| fieldPath <i>optional</i> | If referring to a piece of an object instead of an entire object, this string should contain a valid JSON/Go field access statement, such as <code>desiredState.manifest.containers[2]</code> . For example, if the object reference is to a container within a pod, this would take on a value like: <code>"spec.containers{name}"</code> (where "name" refers to the name of the container that triggered the event) or if no container name is specified <code>"spec.containers[2]"</code> (container with index 2 in this pod). This syntax is chosen only to have some well-defined way of referencing a part of an object. TODO: this design is not final and this field is subject to change in the future. | string |
| kind <i>optional</i> | Kind of the referent. More info: https://git.k8s.io/community/contributors/devel/api-conventions.md#types-kinds | string |
| name <i>optional</i> | Name of the referent. More info: Names | string |
| namespace <i>optional</i> | Namespace of the referent. More info: https://kubernetes.io/docs/concepts/overview/working-with-objects/namespaces/ | string |
| resourceVersion <i>optional</i> | Specific resourceVersion to which this reference is made, if any. More info: https://git.k8s.io/community/contributors/devel/api-conventions.md#concurrency-control-and-consistency | string |
| uid <i>optional</i> | UID of the referent. More info: UIDs | string |

1.6. SUBSCRIPTIONS API

1.6.1. Overview

This documentation is for the Subscription resource for Red Hat Advanced Cluster Management for Kubernetes. The Subscription resource has four possible requests: create, query, delete and update.

Deprecated: PlacementRule

1.6.1.1. Version information

Version : 2.10.0

1.6.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.6.1.3. Tags

- `subscriptions.apps.open-cluster-management.io` : Create and manage subscriptions

1.6.2. Paths

1.6.2.1. Create a subscription

POST `/apps.open-cluster-management.io/v1/namespaces/{namespace}/subscriptions`

1.6.2.1.1. Description

Create a subscription.

1.6.2.1.2. Parameters

| Type | Name | Description | Schema |
|--------|-------------------------------------|---|------------------------------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |
| Body | body <i>required</i> | Parameters describing the subscription to be created. | Subscription |

1.6.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.6.2.1.4. Consumes

- `subscription/yaml`

1.6.2.1.5. Tags

- subscriptions.apps.open-cluster-management.io

1.6.2.1.6. Example HTTP request

1.6.2.1.6.1. Request body

```
{
  "apiVersion": "apps.open-cluster-management.io/v1",
  "kind": "Subscription",
  "metadata": {
    "name": "sample_subscription",
    "namespace": "default",
    "labels": {
      "app": "sample_subscription-app"
    },
    "annotations": {
      "apps.open-cluster-management.io/git-path": "apps/sample/",
      "apps.open-cluster-management.io/git-branch": "sample_branch"
    }
  },
  "spec": {
    "channel": "channel_namespace/sample_channel",
    "packageOverrides": [ {
      "packageName": "my-sample-application",
      "packageAlias": "the-sample-app",
      "packageOverrides": [ {
        "path": "spec",
        "value": {
          "persistence": {
            "enabled": false,
            "useDynamicProvisioning": false
          },
          "license": "accept",
          "tls": {
            "hostname": "my-mcm-cluster.icp"
          },
          "sso": {
            "registrationImage": {
              "pullSecret": "hub-repo-docker-secret"
            }
          }
        }
      }
    ]
  },
  "placement": {
    "placementRef": {
      "kind": "PlacementRule",
      "name": "demo-clusters"
    }
  }
}
```

1.6.2.2. Query all subscriptions

GET /apps.open-cluster-management.io/v1/namespaces/{namespace}/subscriptions

1.6.2.2.1. Description

Query your subscriptions for more details.

1.6.2.2.2. Parameters

| Type | Name | Description | Schema |
|--------|-------------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.6.2.2.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.6.2.2.4. Consumes

- **subscription/yaml**

1.6.2.2.5. Tags

- subscriptions.apps.open-cluster-management.io

1.6.2.3. Query a single subscription

GET /apps.open-cluster-management.io/v1/namespaces/{namespace}/subscriptions/{subscription_name}

1.6.2.3.1. Description

Query a single subscription for more details.

1.6.2.3.2. Parameters

| Type | Name | Description | Schema |
|--------|---|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |
| Path | subscription_name <i>required</i> | Name of the subscription that you wan to query. | string |

1.6.2.3.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.6.2.3.4. Tags

- subscriptions.apps.open-cluster-management.io

1.6.2.4. Delete a subscription

DELETE /apps.open-cluster-management.io/v1/namespaces/{namespace}/subscriptions/{subscription_name}

1.6.2.4.1. Parameters

| Type | Name | Description | Schema |
|--------|-------------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

| Type | Name | Description | Schema |
|------|---|---|--------|
| Path | subscription_name <i>required</i> | Name of the subscription that you want to delete. | string |

1.6.2.4.2. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.6.2.4.3. Tags

- `subscriptions.apps.open-cluster-management.io`

1.6.3. Definitions

1.6.3.1. Subscription

| Name | Schema |
|--------------------------------------|--------------------------|
| apiVersion <i>required</i> | string |
| kind <i>required</i> | string |
| metadata <i>required</i> | metadata |
| spec <i>required</i> | spec |

| Name | Schema |
|----------------------------------|------------------------|
| status <i>optional</i> | status |

metadata

| Name | Schema |
|---------------------------------------|--------|
| annotations <i>optional</i> | object |
| labels <i>optional</i> | object |
| name <i>optional</i> | string |
| namespace <i>optional</i> | string |

spec

| Name | Schema |
|--|--|
| channel <i>required</i> | string |
| name <i>optional</i> | string |
| overrides <i>optional</i> | overrides array |
| packageFilter <i>optional</i> | packageFilter |
| packageOverrides <i>optional</i> | packageOverrides array |
| placement <i>optional</i> | placement |
| timewindow <i>optional</i> | timewindow |

overrides

| Name | Schema |
|--|--------------|
| clusterName <i>required</i> | string |
| clusterOverrides <i>required</i> | object array |

packageFilter

| Name | Description | Schema |
|---|---|-------------------------------|
| annotations <i>optional</i> | | string, string map |
| filterRef <i>optional</i> | | filterRef |
| labelSelector <i>optional</i> | | labelSelector |
| version <i>optional</i> | Pattern : "()(\\.[0-9])(\\.) (\\.[0-9])?(\\.[xX])"\$ | string |

filterRef

| Name | Schema |
|--------------------------------|--------|
| name <i>optional</i> | string |

labelSelector

| Name | Schema |
|--|--|
| matchExpressions <i>optional</i> | matchExpressions array |
| matchLabels <i>optional</i> | string, string map |

matchExpressions

| Name | Schema |
|------------------------------------|--------------|
| key <i>required</i> | string |
| operator <i>required</i> | string |
| values <i>optional</i> | string array |

packageOverrides

| Name | Schema |
|--|--------------|
| packageAlias <i>optional</i> | string |
| packageName <i>required</i> | string |
| packageOverrides <i>optional</i> | object array |

placement

| Name | Schema |
|---|---------------------------------|
| clusterSelector <i>optional</i> | clusterSelector |
| clusters <i>optional</i> | clusters array |
| local <i>optional</i> | boolean |
| placementRef <i>optional</i> | placementRef |

clusterSelector

| Name | Schema |
|--|--|
| matchExpressions <i>optional</i> | matchExpressions array |
| matchLabels <i>optional</i> | string, string map |

matchExpressions

| Name | Schema |
|------------------------------------|--------------|
| key <i>required</i> | string |
| operator <i>required</i> | string |
| values <i>optional</i> | string array |

clusters

| Name | Schema |
|--------------------------------|--------|
| name <i>required</i> | string |

placementRef

| Name | Schema |
|--------------------------------------|--------|
| apiVersion <i>optional</i> | string |
| fieldPath <i>optional</i> | string |
| kind <i>optional</i> | string |
| name <i>optional</i> | string |
| namespace <i>optional</i> | string |

| Name | Schema |
|---|--------|
| resourceVersion <i>optional</i> | string |
| uid <i>optional</i> | string |

timewindow

| Name | Schema |
|--------------------------------------|---|
| daysofweek <i>optional</i> | string array |
| hours <i>optional</i> | hours array |
| location <i>optional</i> | string |
| windowType <i>optional</i> | enum (active, blocked, Active, Blocked) |

hours

| Name | Schema |
|---------------------------------|--------|
| end <i>optional</i> | string |
| start <i>optional</i> | string |

status

| Name | Schema |
|--|--------------------|
| lastUpdateTime <i>optional</i> | string (date-time) |
| message <i>optional</i> | string |
| phase <i>optional</i> | string |

| Name | Schema |
|------------------------------------|--------|
| reason <i>optional</i> | string |
| statuses <i>optional</i> | object |

1.7. PLACEMENTRULES API (DEPRECATED)

1.7.1. Overview

This documentation is for the PlacementRule resource for Red Hat Advanced Cluster Management for Kubernetes. The PlacementRule resource has four possible requests: create, query, delete and update.

1.7.1.1. Version information

Version : 2.10.0

1.7.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.7.1.3. Tags

- placementrules.apps.open-cluster-management.io : Create and manage placement rules

1.7.2. Paths

1.7.2.1. Create a placement rule

POST /apps.open-cluster-management.io/v1/namespaces/{namespace}/placementrules

1.7.2.1.1. Description

Create a placement rule.

1.7.2.1.2. Parameters

| Type | Name | Description | Schema |
|--------|-------------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

| Type | Name | Description | Schema |
|------|--------------------------------|---|-------------------------------|
| Body | body <i>required</i> | Parameters describing the placement rule to be created. | PlacementRule |

1.7.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.7.2.1.4. Consumes

- **application/yaml**

1.7.2.1.5. Tags

- `placementrules.apps.open-cluster-management.io`

1.7.2.1.6. Example HTTP request

1.7.2.1.6.1. Request body

```
{
  "apiVersion": "apps.open-cluster-management.io/v1",
  "kind": "PlacementRule",
  "metadata": {
    "name": "towhichcluster",
    "namespace": "ns-sub-1"
  },
  "spec": {
    "clusterConditions": [ {
      "type": "ManagedClusterConditionAvailable",
      "status": "True"
    } ],
    "clusterSelector": { }
  }
}
```

1.7.2.2. Query all placement rules

GET /apps.open-cluster-management.io/v1/namespaces/{namespace}/placementrules

1.7.2.2.1. Description

Query your placement rules for more details.

1.7.2.2.2. Parameters

| Type | Name | Description | Schema |
|--------|-------------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.7.2.2.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.7.2.2.4. Consumes

- **application/yaml**

1.7.2.2.5. Tags

- placementrules.apps.open-cluster-management.io

1.7.2.3. Query a single placementrule

GET /apps.open-cluster-management.io/v1/namespaces/{namespace}/placementrules/{placementrule_name}

1.7.2.3.1. Description

Query a single placement rule for more details.

1.7.2.3.2. Parameters

| Type | Name | Description | Schema |
|--------|---|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |
| Path | placementrule _name <i>required</i> | Name of the placementrule that you want to query. | string |

1.7.2.3.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.7.2.3.4. Tags

- placementrules.apps.open-cluster-management.io

1.7.2.4. Delete a placementrule

```
DELETE /apps.open-cluster-
management.io/v1/namespaces/{namespace}/placementrules/{placementrule_name}
```

1.7.2.4.1. Parameters

| Type | Name | Description | Schema |
|--------|-------------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

| Type | Name | Description | Schema |
|------|--|--|--------|
| Path | placementrule_name <i>required</i> | Name of the placementrule that you want to delete. | string |

1.7.2.4.2. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.7.2.4.3. Tags

- `placementrules.apps.open-cluster-management.io`

1.7.3. Definitions

1.7.3.1. Placementrule

| Name | Schema |
|--------------------------------------|----------------------|
| apiVersion <i>required</i> | string |
| kind <i>required</i> | string |
| metadata <i>required</i> | object |
| spec <i>required</i> | spec |

spec

| Name | Schema |
|---|---|
| clusterConditions <i>optional</i> | clusterConditions array |
| clusterReplicas <i>optional</i> | integer |
| clusterSelector <i>optional</i> | clusterSelector |
| clusters <i>optional</i> | clusters array |
| policies <i>optional</i> | policies array |
| resourceHint <i>optional</i> | resourceHint |
| schedulerName <i>optional</i> | string |

clusterConditions

| Name | Schema |
|----------------------------------|--------|
| status <i>optional</i> | string |
| type <i>optional</i> | string |

clusterSelector

| Name | Schema |
|--|--|
| matchExpressions <i>optional</i> | matchExpressions array |
| matchLabels <i>optional</i> | string, string map |

matchExpressions

| Name | Schema |
|------------------------------------|--------------|
| key <i>optional</i> | string |
| operator <i>optional</i> | string |
| values <i>optional</i> | string array |

clusters

| Name | Schema |
|--------------------------------|--------|
| name <i>optional</i> | string |

policies

| Name | Schema |
|---|--------|
| apiVersion <i>optional</i> | string |
| fieldPath <i>optional</i> | string |
| kind <i>optional</i> | string |
| name <i>optional</i> | string |
| namespace <i>optional</i> | string |
| resourceVersion <i>optional</i> | string |
| uid <i>optional</i> | string |

resourceHint

| Name | Schema |
|---------------------------------|--------|
| order <i>optional</i> | string |
| type <i>optional</i> | string |

1.8. APPLICATIONS API

1.8.1. Overview

This documentation is for the Application resource for Red Hat Advanced Cluster Management for Kubernetes. Application resource has four possible requests: create, query, delete and update.

1.8.1.1. Version information

Version : 2.10.0

1.8.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.8.1.3. Tags

- applications.app.k8s.io : Create and manage applications

1.8.2. Paths

1.8.2.1. Create a application

POST /app.k8s.io/v1beta1/namespaces/{namespace}/applications

1.8.2.1.1. Description

Create a application.

1.8.2.1.2. Parameters

| Type | Name | Description | Schema |
|--------|-------------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

| Type | Name | Description | Schema |
|------|--------------------------------|--|-----------------------------|
| Body | body <i>required</i> | Parameters describing the application to be created. | Application |

1.8.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.8.2.1.4. Consumes

- **application/yaml**

1.8.2.1.5. Tags

- applications.app.k8s.io

1.8.2.1.6. Example HTTP request

1.8.2.1.6.1. Request body

```
{
  "apiVersion": "app.k8s.io/v1beta1",
  "kind": "Application",
  "metadata": {
    "labels": {
      "app": "nginx-app-details"
    },
    "name": "nginx-app-3",
    "namespace": "ns-sub-1"
  },
  "spec": {
    "componentKinds": [ {
      "group": "apps.open-cluster-management.io",
      "kind": "Subscription"
    } ]
  },
  "selector": {
    "matchLabels": {
```

```

    "app" : "nginx-app-details"
  }
},
"status" : {}
}

```

1.8.2.2. Query all applications

```
GET /app.k8s.io/v1beta1/namespaces/{namespace}/applications
```

1.8.2.2.1. Description

Query your applications for more details.

1.8.2.2.2. Parameters

| Type | Name | Description | Schema |
|--------|-------------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.8.2.2.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.8.2.2.4. Consumes

- **application/yaml**

1.8.2.2.5. Tags

- applications.app.k8s.io

1.8.2.3. Query a single application

```
GET /app.k8s.io/v1beta1/namespaces/{namespace}/applications/{application_name}
```

1.8.2.3.1. Description

Query a single application for more details.

1.8.2.3.2. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | application_name <i>required</i> | Name of the application that you wan to query. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.8.2.3.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.8.2.3.4. Tags

- applications.app.k8s.io

1.8.2.4. Delete a application

```
DELETE /app.k8s.io/v1beta1/namespaces/{namespace}/applications/{application_name}
```

1.8.2.4.1. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | application_name <i>required</i> | Name of the application that you want to delete. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.8.2.4.2. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.8.2.4.3. Tags

- applications.app.k8s.io

1.8.3. Definitions

1.8.3.1. Application

| Name | Schema |
|--------------------------------------|--------|
| apiVersion <i>required</i> | string |
| kind <i>required</i> | string |
| metadata <i>required</i> | object |

| Name | Schema |
|--------------------------------|----------------------|
| spec <i>required</i> | spec |

spec

| Name | Schema |
|--|----------------------------|
| assemblyPhase <i>optional</i> | string |
| componentKinds <i>optional</i> | object array |
| descriptor <i>optional</i> | descriptor |
| info <i>optional</i> | info array |
| selector <i>optional</i> | object |

descriptor

| Name | Schema |
|---------------------------------------|-----------------------------------|
| description <i>optional</i> | string |
| icons <i>optional</i> | icons array |
| keywords <i>optional</i> | string array |
| links <i>optional</i> | links array |
| maintainers <i>optional</i> | maintainers array |
| notes <i>optional</i> | string |

| Name | Schema |
|-----------------------------------|------------------------------|
| owners <i>optional</i> | owners array |
| type <i>optional</i> | string |
| version <i>optional</i> | string |

icons

| Name | Schema |
|--------------------------------|--------|
| size <i>optional</i> | string |
| src <i>required</i> | string |
| type <i>optional</i> | string |

links

| Name | Schema |
|---------------------------------------|--------|
| description <i>optional</i> | string |
| url <i>optional</i> | string |

maintainers

| Name | Schema |
|---------------------------------|--------|
| email <i>optional</i> | string |
| name <i>optional</i> | string |

| Name | Schema |
|-------------------------------|--------|
| url <i>optional</i> | string |

owners

| Name | Schema |
|---------------------------------|--------|
| email <i>optional</i> | string |
| name <i>optional</i> | string |
| url <i>optional</i> | string |

info

| Name | Schema |
|-------------------------------------|---------------------------|
| name <i>optional</i> | string |
| type <i>optional</i> | string |
| value <i>optional</i> | string |
| valueFrom <i>optional</i> | valueFrom |

valueFrom

| Name | Schema |
|---|---------------------------------|
| configMapKeyRef <i>optional</i> | configMapKeyRef |
| ingressRef <i>optional</i> | ingressRef |
| secretKeyRef <i>optional</i> | secretKeyRef |

| Name | Schema |
|--------------------------------------|----------------------------|
| serviceRef <i>optional</i> | serviceRef |
| type <i>optional</i> | string |

configMapKeyRef

| Name | Schema |
|---|--------|
| apiVersion <i>optional</i> | string |
| fieldPath <i>optional</i> | string |
| key <i>optional</i> | string |
| kind <i>optional</i> | string |
| name <i>optional</i> | string |
| namespace <i>optional</i> | string |
| resourceVersion <i>optional</i> | string |
| uid <i>optional</i> | string |

ingressRef

| Name | Schema |
|--------------------------------------|--------|
| apiVersion <i>optional</i> | string |
| fieldPath <i>optional</i> | string |

| Name | Schema |
|---|--------|
| host <i>optional</i> | string |
| kind <i>optional</i> | string |
| name <i>optional</i> | string |
| namespace <i>optional</i> | string |
| path <i>optional</i> | string |
| resourceVersion <i>optional</i> | string |
| uid <i>optional</i> | string |

secretKeyRef

| Name | Schema |
|---|--------|
| apiVersion <i>optional</i> | string |
| fieldPath <i>optional</i> | string |
| key <i>optional</i> | string |
| kind <i>optional</i> | string |
| name <i>optional</i> | string |
| namespace <i>optional</i> | string |
| resourceVersion <i>optional</i> | string |

| Name | Schema |
|-------------------------------|--------|
| uid <i>optional</i> | string |

serviceRef

| Name | Schema |
|---|-----------------|
| apiVersion <i>optional</i> | string |
| fieldPath <i>optional</i> | string |
| kind <i>optional</i> | string |
| name <i>optional</i> | string |
| namespace <i>optional</i> | string |
| path <i>optional</i> | string |
| port <i>optional</i> | integer (int32) |
| resourceVersion <i>optional</i> | string |
| uid <i>optional</i> | string |

1.9. HELM API

1.9.1. Overview

This documentation is for the HelmRelease resource for Red Hat Advanced Cluster Management for Kubernetes. The HelmRelease resource has four possible requests: create, query, delete and update.

1.9.1.1. Version information

Version : 2.10.0

1.9.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.9.1.3. Tags

- helmreleases.apps.open-cluster-management.io : Create and manage helmreleases

1.9.2. Paths

1.9.2.1. Create a helmrelease

POST /apps.open-cluster-management.io/v1/namespaces/{namespace}/helmreleases

1.9.2.1.1. Description

Create a helmrelease.

1.9.2.1.2. Parameters

| Type | Name | Description | Schema |
|--------|-------------------------------------|---|-----------------------------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |
| Body | body <i>required</i> | Parameters describing the helmrelease to be created. | HelmRelease |

1.9.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.9.2.1.4. Consumes

- **application/yaml**

1.9.2.1.5. Tags

- helmreleases.apps.open-cluster-management.io

1.9.2.1.6. Example HTTP request

1.9.2.1.6.1. Request body

```
{
  "apiVersion": "apps.open-cluster-management.io/v1",
  "kind": "HelmRelease",
  "metadata": {
    "name": "nginx-ingress",
    "namespace": "default"
  },
  "repo": {
    "chartName": "nginx-ingress",
    "source": {
      "helmRepo": {
        "urls": [ "https://kubernetes-charts.storage.googleapis.com/nginx-ingress-1.26.0.tgz" ]
      },
      "type": "helmrepo"
    },
    "version": "1.26.0"
  },
  "spec": {
    "defaultBackend": {
      "replicaCount": 3
    }
  }
}
```

1.9.2.2. Query all helmreleases

```
GET /apps.open-cluster-management.io/v1/namespaces/{namespace}/helmreleases
```

1.9.2.2.1. Description

Query your helmreleases for more details.

1.9.2.2.2. Parameters

| Type | Name | Description | Schema |
|--------|-------------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.9.2.2.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.9.2.2.4. Consumes

- **application/yaml**

1.9.2.2.5. Tags

- helmreleases.apps.open-cluster-management.io

1.9.2.3. Query a single helmrelease

```
GET /apps.open-cluster-management.io/v1/namespaces/{namespace}/helmreleases/{helmrelease_name}
```

1.9.2.3.1. Description

Query a single helmrelease for more details.

1.9.2.3.2. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | helmrelease_name <i>required</i> | Name of the helmrelease that you want to query. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.9.2.3.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.9.2.3.4. Tags

- `helmreleases.apps.open-cluster-management.io`

1.9.2.4. Delete a helmrelease

DELETE `/apps.open-cluster-management.io/v1/namespaces/{namespace}/helmreleases/{helmrelease_name}`

1.9.2.4.1. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | helmrelease_name <i>required</i> | Name of the helmrelease that you want to delete. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.9.2.4.2. Responses

| HTTP Code | Description | Schema |
|-----------|--------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.9.2.4.3. Tags

- helmreleases.apps.open-cluster-management.io

1.9.3. Definitions

1.9.3.1. HelmRelease

| Name | Schema |
|--------------------------------------|------------------------|
| apiVersion <i>required</i> | string |
| kind <i>required</i> | string |
| metadata <i>required</i> | object |
| repo <i>required</i> | repo |
| spec <i>required</i> | object |
| status <i>required</i> | status |

repo

| Name | Schema |
|--|------------------------------|
| chartName <i>optional</i> | string |
| configMapRef <i>optional</i> | configMapRef |

| Name | Schema |
|-------------------------------------|---------------------------|
| secretRef <i>optional</i> | secretRef |
| source <i>optional</i> | source |
| version <i>optional</i> | string |

configMapRef

| Name | Schema |
|---|--------|
| apiVersion <i>optional</i> | string |
| fieldPath <i>optional</i> | string |
| kind <i>optional</i> | string |
| name <i>optional</i> | string |
| namespace <i>optional</i> | string |
| resourceVersion <i>optional</i> | string |
| uid <i>optional</i> | string |

secretRef

| Name | Schema |
|--------------------------------------|--------|
| apiVersion <i>optional</i> | string |
| fieldPath <i>optional</i> | string |

| Name | Schema |
|---|--------|
| kind <i>optional</i> | string |
| name <i>optional</i> | string |
| namespace <i>optional</i> | string |
| resourceVersion <i>optional</i> | string |
| uid <i>optional</i> | string |

source

| Name | Schema |
|------------------------------------|--------------------------|
| github <i>optional</i> | github |
| helmRepo <i>optional</i> | helmRepo |
| type <i>optional</i> | string |

github

| Name | Schema |
|-------------------------------------|--------------|
| branch <i>optional</i> | string |
| chartPath <i>optional</i> | string |
| urls <i>optional</i> | string array |

helmRepo

| Name | Schema |
|--------------------------------|--------------|
| urls <i>optional</i> | string array |

status

| Name | Schema |
|---|----------------------------------|
| conditions <i>required</i> | conditions array |
| deployedRelease <i>optional</i> | deployedRelease |

conditions

| Name | Schema |
|--|--------------------|
| lastTransitionTime <i>optional</i> | string (date-time) |
| message <i>optional</i> | string |
| reason <i>optional</i> | string |
| status <i>required</i> | string |
| type <i>required</i> | string |

deployedRelease

| Name | Schema |
|------------------------------------|--------|
| manifest <i>optional</i> | string |
| name <i>optional</i> | string |

1.10. POLICY API

1.10.1. Overview

This documentation is for the Policy resource for Red Hat Advanced Cluster Management for Kubernetes. The Policy resource has four possible requests: create, query, delete and update.

1.10.1.1. Version information

Version : 2.10.0

1.10.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.10.1.3. Tags

- `policy.open-cluster-management.io/v1` : Create and manage policies

1.10.2. Paths

1.10.2.1. Create a policy

POST /policy.open-cluster-management.io/v1/v1alpha1/namespaces/{namespace}/policies/{policy_name}

1.10.2.1.1. Description

Create a policy.

1.10.2.1.2. Parameters

| Type | Name | Description | Schema |
|--------|-------------------------------------|--|------------------------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |
| Body | body <i>required</i> | Parameters describing the policy to be created. | Policy |

1.10.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|-------------|------------|
| 200 | Success | No Content |

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.10.2.1.4. Consumes

- **application/json**

1.10.2.1.5. Tags

- `policy.open-cluster-management.io`

1.10.2.1.6. Example HTTP request

1.10.2.1.6.1. Request body

```
{
  "apiVersion": "policy.open-cluster-management.io/v1",
  "kind": "Policy",
  "metadata": {
    "name": "test-policy-swagger",
    "description": "Example body for Policy API Swagger docs"
  },
  "spec": {
    "remediationAction": "enforce",
    "namespaces": {
      "include": [
        "default"
      ],
      "exclude": [
        "kube*"
      ]
    },
    "policy-templates": {
      "kind": "ConfigurationPolicy",
      "apiVersion": "policy.open-cluster-management.io/v1",
      "complianceType": "musthave",
      "metadataComplianceType": "musthave",
      "metadata": {
        "namespace": null,
        "name": "test-role"
      },
      "selector": {
        "matchLabels": {
          "cloud": "IBM"
        }
      }
    }
  }
}
```

```
    }
  },
  "spec" : {
    "object-templates": {
      "complianceType": "musthave",
      "metadataComplianceType": "musthave",
      "objectDefinition": {
        "apiVersion": "rbac.authorization.k8s.io/v1",
        "kind": "Role",
        "metadata": {
          "name": "role-policy",
        },
        "rules": [
          {
            "apiGroups": [
              "extensions",
              "apps"
            ],
            "resources": [
              "deployments"
            ],
            "verbs": [
              "get",
              "list",
              "watch",
              "delete"
            ]
          },
          {
            "apiGroups": [
              "core"
            ],
            "resources": [
              "pods"
            ],
            "verbs": [
              "create",
              "update",
              "patch"
            ]
          },
          {
            "apiGroups": [
              "core"
            ],
            "resources": [
              "secrets"
            ],
            "verbs": [
              "get",
              "watch",
              "list",
              "create",
              "delete",
              "update",
              "patch"
            ]
          }
        ]
      }
    }
  }
}
```


1.10.2.3. Query a single policy

```
GET /policy.open-cluster-management.io/v1/namespaces/{namespace}/policies/{policy_name}
```

1.10.2.3.1. Description

Query a single policy for more details.

1.10.2.3.2. Parameters

| Type | Name | Description | Schema |
|--------|---------------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | policy_name <i>required</i> | Name of the policy that you want to query. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.10.2.3.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.10.2.3.4. Tags

- policy.open-cluster-management.io

1.10.2.4. Delete a policy

```
DELETE /policy.open-cluster-management.io/v1/namespaces/{namespace}/policies/{policy_name}
```

1.10.2.4.1. Parameters

| Type | Name | Description | Schema |
|--------|---------------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | policy_name <i>required</i> | Name of the policy that you want to delete. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.10.2.4.2. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.10.2.4.3. Tags

- `policy.open-cluster-management.io`

1.10.3. Definitions

1.10.3.1. Policy

| Name | Description | Schema |
|--------------------------------------|---|--------|
| apiVersion <i>required</i> | The versioned schema of Policy. | string |
| kind <i>required</i> | String value that represents the REST resource. | string |
| metadata <i>required</i> | Describes rules that define the policy. | object |

spec

| Name | Description | Schema |
|---|--|--------|
| remediationAction <i>optional</i> | Value that represents how violations are handled as defined in the resource. | string |
| namespaceSelector <i>required</i> | Value that represents which namespaces the policy is applied. | string |

policy-templates

| Name | Description | Schema |
|--|---|--------|
| apiVersion <i>required</i> | The versioned schema of Policy. | string |
| kind <i>optional</i> | String value that represents the REST resource. | string |
| metadata <i>required</i> | Describes rules that define the policy. | object |
| complianceType | Used to list expected behavior for roles and other Kubernetes object that must be evaluated or applied to the managed clusters. | string |
| metadataComplianceType <i>optional</i> | Provides a way for users to process labels and annotations of an object differently than the other fields. The parameter value defaults to the same value of the ComplianceType parameter. | string |
| clusterConditions <i>optional</i> | Section to define labels. | string |
| rules <i>optional</i> | | string |

clusterConditions

| Name | Description | Schema |
|---------------------------------------|---|--------|
| matchLabels <i>optional</i> | The label that is required for the policy to be applied to a namespace. | object |

| Name | Description | Schema |
|---------------------------------|--|--------|
| cloud <i>optional</i> | The label that is required for the policy to be applied to a cloud provider. | string |

rules

| Name | Description | Schema |
|-------------------------------------|--|--------|
| apiGroups <i>required</i> | List of APIs that the rule applies to. | string |
| resources <i>required</i> | A list of resource types. | object |
| verbs <i>required</i> | A list of verbs. | string |

1.11. OBSERVABILITY API

1.11.1. Overview

This documentation is for the MultiClusterObservability resource for Red Hat Advanced Cluster Management for Kubernetes. The MultiClusterObservability resource has four possible requests: create, query, delete and update.

1.11.1.1. Version information

Version : 2.10.0

1.11.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.11.1.3. Tags

- observability.open-cluster-management.io : Create and manage multiclusterobservabilities

1.11.2. Paths

1.11.2.1. Create a multiclusterobservability resource

POST /apis/observability.open-cluster-management.io/v1beta2/multiclusterobservabilities

1.11.2.1.1. Description

Create a MultiClusterObservability resource.

1.11.2.1.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|---|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Body | body <i>required</i> | Parameters describing the MultiClusterObservability resource to be created. | MultiClusterObservability |

1.11.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.11.2.1.4. Consumes

- **application/yaml**

1.11.2.1.5. Tags

- observability.apps.open-cluster-management.io

1.11.2.1.6. Example HTTP request

1.11.2.1.6.1. Request body

```
{
  "apiVersion": "observability.open-cluster-management.io/v1beta2",
  "kind": "MultiClusterObservability",
  "metadata": {
    "name": "example"
  },
  "spec": {
    "observabilityAddonSpec": {},
    "storageConfig": {
      "metricObjectStorage": {
```

```

    "name": "thanos-object-storage",
    "key": "thanos.yaml"
  "writeStorage": {
    - "key": " ",
      "name": " "
    - "key": " ",
      "name": " "
  }
}
}
}

```

1.11.2.2. Query all multiclusterobservabilities

GET /apis/observability.open-cluster-management.io/v1beta2/multiclusterobservabilities

1.11.2.2.1. Description

Query your MultiClusterObservability resources for more details.

1.11.2.2.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |

1.11.2.2.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.11.2.2.4. Consumes

- **application/yaml**

1.11.2.2.5. Tags

- observability.apps.open-cluster-management.io

1.11.2.3. Query a single multiclusterobservability

```
GET /apis/observability.open-cluster-management.io/v1beta2/multiclusterobservabilities/{multiclusterobservability_name}
```

1.11.2.3.1. Description

Query a single MultiClusterObservability resource for more details.

1.11.2.3.2. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | multiclusterobservability_name <i>required</i> | Name of the multiclusterobservability that you want to query. | string |

1.11.2.3.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.11.2.3.4. Tags

- observability.apps.open-cluster-management.io

1.11.2.4. Delete a multiclusterobservability resource

```
DELETE /apis/observability.open-cluster-management.io/v1beta2/multiclusterobservabilities/{multiclusterobservability_name}
```

1.11.2.4.1. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | multiclusterobservability_name <i>required</i> | Name of the multiclusterobservability that you want to delete. | string |

1.11.2.4.2. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.11.2.4.3. Tags

- observability.apps.open-cluster-management.io

1.11.3. Definitions

1.11.3.1. MultiClusterObservability

| Name | Description | Schema |
|--------------------------------------|--|--------|
| apiVersion <i>required</i> | The versioned schema of the MultiClusterObservability. | string |
| kind <i>required</i> | String value that represents the REST resource, MultiClusterObservability. | string |
| metadata <i>required</i> | Describes rules that define the policy. | object |

spec

| Name | Description | Schema |
|--|--|--|
| enableDownsampling <i>optional</i> | Enable or disable the downsample. Default value is true . If there is no downsample data, the query is unavailable. | boolean |
| imagePullPolicy <i>optional</i> | Pull policy for the MultiClusterObservability images. The default value is Always . | corev1.PullPolicy |
| imagePullSecret <i>optional</i> | Pull secret for the MultiClusterObservability images. The default value is multiclusterhub-operator-pull-secret | string |
| nodeSelector <i>optional</i> | Specification of the node selector. | map[string]string |
| observabilityAddonSpec <i>required</i> | The global settings for all managed clusters, which have the observability add-on installed. | observabilityAddonSpec |
| storageConfig <i>required</i> | Specifies the storage configuration to be used by observability. | StorageConfig |
| tolerations <i>optional</i> | Provided the ability for all components to tolerate any taints. | []corev1.Toleration |
| advanced <i>optional</i> | The advanced configuration settings for observability. | advanced |
| resources <i>optional</i> | Compute resources required by MultiClusterObservability. | corev1.ResourceRequirements |
| replicas <i>optional</i> | Replicas for MultiClusterObservability. | integer |

storageConfig

| Name | Description | Schema |
|---|--|--------|
| alertmanagerStorageSize <i>optional</i> | The amount of storage applied to the alertmanager stateful sets. Default value is 1Gi . | string |
| compactStorageSize <i>optional</i> | The amount of storage applied to the thanos compact stateful sets. Default value is 100Gi . | string |

| Name | Description | Schema |
|---|---|-------------------------------------|
| metricObjectStorage <i>required</i> | Object store to configure secrets for metrics. | metricObjectStorage |
| receiveStorageSize <i>optional</i> | The amount of storage applied to thanos receive stateful sets. Default value is 100Gi . | string |
| ruleStorageSize <i>optional</i> | The amount of storage applied to thanos rule stateful sets. Default value is 1Gi . | string |
| storageClass <i>optional</i> | Specify the storageClass stateful sets. This storage is used for the object storage if metricObjectStorage is configured for your operating system to create storage. Default value is gp2 . | string |
| storeStorageSize <i>optional</i> | The amount of storage applied to thanos store stateful sets. Default value is 10Gi . | string |
| writeStorage <i>optional</i> | A list of endpoint access information. | [] WriteStorage |

writeStorage

| Name | Description | Schema |
|--------------------------------|--|--------|
| name <i>required</i> | The name of the secret with endpoint access information. | string |
| key <i>required</i> | The key of the secret to select from. | string |

metricObjectStorage

| Name | Description | Schema |
|-------------------------------|--|--------|
| key <i>required</i> | The key of the secret to select from. Must be a valid secret key. See Thanos documentation . | string |

| Name | Description | Schema |
|--------------------------------|---|--------|
| name <i>required</i> | Name of the metricObjectStorage . See Kubernetes Names for more information. | string |

observabilityAddonSpec

| Name | Description | Schema |
|---|--|-----------------------------|
| enableMetrics <i>optional</i> | Indicates if the observability add-on sends metrics to the hub cluster. Default value is true . | boolean |
| interval <i>optional</i> | Interval for when the observability add-on sends metrics to the hub cluster. Default value is 300 seconds (300s). | integer |
| resources <i>optional</i> | Resource for the metrics collector resource requirement. The default CPU request is 100m , memory request is 100Mi . | corev1.ResourceRequirements |

advanced

| Name | Description | Schema |
|---|---|------------------------|
| retentionConfig <i>optional</i> | Specifies the data retention configuration to be used by observability. | RetentionConfig |
| rbacQueryProxy <i>optional</i> | Specifies the replicas and resources for the rbac-query-proxy deployment. | CommonSpec |
| grafana <i>optional</i> | Specifies the replicas and resources for the grafana deployment | CommonSpec |
| alertmanager <i>optional</i> | Specifies the replicas and resources for alertmanager statefulset. | CommonSpec |

| Name | Description | Schema |
|--|---|--------------------------------|
| observatoriumAPI <i>optional</i> | Specifies the replicas and resources for the observatorium-api deployment. | CommonSpec |
| queryFrontend <i>optional</i> | Specifies the replicas and resources for the query-frontend deployment. | CommonSpec |
| query <i>optional</i> | Specifies the replicas and resources for the query deployment. | CommonSpec |
| receive <i>optional</i> | Specifies the replicas and resources for the receive statefulset. | CommonSpec |
| rule <i>optional</i> | Specifies the replicas and resources for rule statefulset. | CommonSpec |
| store <i>optional</i> | Specifies the replicas and resources for the store statefulset. | CommonSpec |
| CompactSpec <i>optional</i> | Specifies the resources for compact statefulset. | compact |
| storeMemcached <i>optional</i> | Specifies the replicas, resources, etc. for store-memcached. | storeMemcached |
| queryFrontendMemcached <i>optional</i> | Specifies the replicas, resources, etc for query-frontend-memcached. | CacheConfig |

retentionConfig

| Name | Description | Schema |
|---|--|--------|
| blockDuration <i>optional</i> | The amount of time to block the duration for Time Series Database (TSDB) block. Default value is 2h . | string |

| Name | Description | Schema |
|---|---|--------|
| cleanupInterval <i>optional</i> | The frequency of how often partially uploaded blocks are cleaned, and how often blocks with the deletion mark that have --wait enabled are cleaned. Default value is 5m . | string |
| deleteDelay <i>optional</i> | The amount of time until a block marked for deletion is deleted from a bucket. Default value is 48h . | string |
| retentionInLocal <i>optional</i> | The amount of time to retain raw samples from the local storage. Default value is 24h . | string |
| retentionResolution Raw <i>optional</i> | The amount of time to retain raw samples of resolution in a bucket. Default value is 30 days (30d) | string |
| retentionResolution 5m <i>optional</i> | The amount of time to retain samples of resolution 1 (5 minutes) in a bucket. Default value is 180 days (180d). | string |
| retentionResolution 1h <i>optional</i> | The amount of time to retain samples of resolution 2 (1 hour) in a bucket. Default value is 0 days (0d). | string |

CompactSpec

| Name | Description | Schema |
|---|---|-----------------------------|
| resources <i>optional</i> | Compute resources required by thanos compact. | corev1.ResourceRequirements |
| serviceAccountAnnotations <i>optional</i> | Annotations is an unstructured key value map stored with the compact service account. | map[string]string |

storeMemcached

| Name | Description | Schema |
|-------------------------------------|--|-----------------------------|
| resources <i>optional</i> | Compute resources required by MultiClusterObservability. | corev1.ResourceRequirements |

| Name | Description | Schema |
|---|--|---------|
| replicas <i>optional</i> | Replicas for MultiClusterObservability. | integer |
| memoryLimitMb <i>optional</i> | Memory limit of Memcached in megabytes. | integer |
| maxItemSize <i>optional</i> | Max item size of Memcached. The default value is 1m, min:1k, max:1024m. | string |
| connectionLimit <i>optional</i> | Max simultaneous connections of Memcached. The default value is | integer |

status

| Name | Description | Schema |
|----------------------------------|---|------------------|
| status <i>optional</i> | Status contains the different condition statuses for MultiClusterObservability. | metav1.Condition |

CommonSpec

| Name | Description | Schema |
|-------------------------------------|--|-----------------------------|
| resources <i>optional</i> | Compute resources required by the component. | corev1.ResourceRequirements |
| replicas <i>optional</i> | Replicas for the component. | integer |

QuerySpec

| Name | Description | Schema |
|---|---|-------------------|
| CommonSpec <i>optional</i> | Specifies the replicas and resources for the query deployment. | CommonSpec |
| serviceAccountAnnotations <i>optional</i> | Annotations is an unstructured key value map stored with the query service account. | map[string]string |

ReceiveSpec

| Name | Description | Schema |
|---|---|-------------------|
| CommonSpec <i>optional</i> | Specifies the replicas and resources for the query deployment. | CommonSpec |
| serviceAccountAnnotations <i>optional</i> | Annotations is an unstructured key value map stored with the query service account. | map[string]string |

StoreSpec

| Name | Description | Schema |
|---|---|-------------------|
| CommonSpec <i>optional</i> | Specifies the replicas and resources for the query deployment. | CommonSpec |
| serviceAccountAnnotations <i>optional</i> | Annotations is an unstructured key value map stored with the query service account. | map[string]string |

RuleSpec

| Name | Description | Schema |
|---|---|-------------------|
| CommonSpec <i>optional</i> | Specifies the replicas and resources for the query deployment. | CommonSpec |
| evalInterval <i>optional</i> | Specifies the evaluation interval for the rules. | string |
| serviceAccountAnnotations <i>optional</i> | Annotations is an unstructured key value map stored with the query service account. | map[string]string |

1.12. SEARCH QUERY API

The search query API is not a Kubernetes API, therefore is not displayed through the Red Hat OpenShift Container Platform API Explorer. Continue reading to understand the search query API capabilities.

1.12.1. Overview

You can expose the search query API with a route and use the API to resolve search queries. The API is a GraphQL endpoint. You can use any client such as curl or Postman.

1.12.1.1. Version information

Version : 2.10.0

1.12.1.2. URI scheme

BasePath : /searchapi/graphql

Schemes : HTTPS

1.12.1.3. Configure API access

Create a route to access the Search API external from your cluster with the following command:

```
oc create route passthrough search-api --service=search-search-api -n open-cluster-management
```

Important: You must configure your route to secure your environment. See [Route configuration](#) in the OpenShift Container Platform documentation for more details.

1.12.2. Schema design

```
input SearchFilter {
  property: String!
  values: [String!]
}
input SearchInput {
  keywords: [String]
  filters: [SearchFilter]
  limit: Int
  relatedKinds: [String]
}
type SearchResult {
  count: Int
  items: [Map]
  related: [SearchRelatedResult]
}
type SearchRelatedResult {
  kind: String!
  count: Int
  items: [Map]
}
```

Parameters with ! indicates that the field is required.

1.12.2.1. Description table of query inputs

| Type | Description | Property |
|------|-------------|----------|
|------|-------------|----------|

| Type | Description | Property |
|--------------|---|----------|
| SearchFilter | Defines a key and value to filter results. When you provide many values for a property, the API interpret the values as an "OR" operation. When you provide many filters, results match all filters and the API interprets as an "AND" operation. | string |
| SearchInput | Enter key words to receive a list of resources. When you provide many keywords, the API interprets it as an "AND" operation. | String |
| limit | Determine the maximum number of results returned after you enter the query. The default value is 10,000 . A value of -1 means that the limit is removed. | Integer |

1.12.2.2. Schema example

```
{
  "query": "type SearchResult {count: Int!items: [Map]related: [SearchRelatedResult]} type
SearchRelatedResult {kind: String!count: Int!items: [Map]}",
  "variables": {
    "input": [
      {
        "keywords": [],
        "filters": [
          {
            "property": "kind",
            "values": [
              "Deployment"
            ]
          }
        ],
        "limit": 10
      }
    ]
  }
}
```

1.12.3. Generic schema

```
type Query {
  search(input: [SearchInput]): [SearchResult]
```

```

searchComplete(property: String!, query: SearchInput, limit: Int): [String]
searchSchema: Map
messages: [Message]
}

```

1.12.4. Supported queries

Continue reading to see the query types that are supported in JSON format.

1.12.4.1. Search for deployments

Query:

```

query mySearch($input: [SearchInput]) {
  search(input: $input) {
    items
  }
}

```

Variables:

```

{"input":[
  {
    "keywords":[],
    "filters":[
      {"property":"kind","values":["Deployment"]}],
    "limit":10
  }
]}

```

1.12.4.2. Search for pods

Query:

```

query mySearch($input: [SearchInput]) {
  search(input: $input) {
    items
  }
}

```

Variables:

```

{"input":[
  {
    "keywords":[],
    "filters":[
      {"property":"kind","values":["Pod"]}],
    "limit":10
  }
]}

```

1.13. MULTICLUSTERHUB API

1.13.1. Overview

This documentation is for the MultiClusterHub resource for Red Hat Advanced Cluster Management for Kubernetes. MultiClusterHub resource has four possible requests: create, query, delete and update.

1.13.1.1. Version information

Version : 2.10.0

1.13.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.13.1.3. Tags

- multiclusterhubs.operator.open-cluster-management.io : Create and manage multicluster hub operators

1.13.2. Paths

1.13.2.1. Create a MultiClusterHub resource

POST /operator.open-cluster-management.io/v1beta1/namespaces/{namespace}/mch

1.13.2.1.1. Description

Create a MultiClusterHub resource to define the configuration for an instance of the multicluster hub.

1.13.2.1.2. Parameters

| Type | Name | Description | Schema |
|--------|-------------------------------------|--|-----------------------------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |
| Body | body <i>required</i> | Parameters describing the multicluster hub to be created. | Definitions |

1.13.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|-------------|------------|
| 200 | Success | No Content |

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.13.2.1.4. Consumes

- `multiclusterhubs/yaml`

1.13.2.1.5. Tags

- `multiclusterhubs.operator.open-cluster-management.io`

1.13.2.1.6. Example HTTP request

1.13.2.1.6.1. Request body

```
{
  "apiVersion": "apiextensions.k8s.io/v1",
  "kind": "CustomResourceDefinition",
  "metadata": {
    "name": "multiclusterhubs.operator.open-cluster-management.io"
  },
  "spec": {
    "group": "operator.open-cluster-management.io",
    "names": {
      "kind": "MultiClusterHub",
      "listKind": "MultiClusterHubList",
      "plural": "multiclusterhubs",
      "shortNames": [
        "mch"
      ],
      "singular": "multiclusterhub"
    },
    "scope": "Namespaced",
    "versions": [
      {
        "additionalPrinterColumns": [
          {
            "description": "The overall status of the multicluster hub.",
            "jsonPath": ".status.phase",
            "name": "Status",
            "type": "string"
          }
        ],
        "jsonPath": ".metadata.creationTimestamp",
      }
    ]
  }
}
```

```

    "name": "Age",
    "type": "date"
  }
],
"name": "v1",
"schema": {
  "openAPIV3Schema": {
    "description": "MultiClusterHub defines the configuration for an instance of
the multiCluster hub, a central point for managing multiple Kubernetes-based
clusters. The deployment of multicluster hub components is determined based
on the configuration that is defined in this resource.",
    "properties": {
      "apiVersion": {
        "description": "APIVersion defines the versioned schema of this representation
of an object. Servers should convert recognized schemas to the latest
internal value, and may reject unrecognized values. More info:
https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources",
        "type": "string"
      },
      "kind": {
        "description": "Kind is a string value representing the REST resource this
object represents. Servers may infer this from the endpoint the client
submits requests to. Cannot be updated. The value is in CamelCase. More info:
https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds",
        "type": "string"
      },
      "metadata": {
        "type": "object"
      },
      "spec": {
        "description": "MultiClusterHubSpec defines the desired state of MultiClusterHub.",
        "properties": {
          "availabilityConfig": {
            "description": "Specifies deployment replication for improved availability.
Options are: Basic and High (default).",
            "type": "string"
          },
          "customCAConfigmap": {
            "description": "Provide the customized OpenShift default ingress CA certificate
to {product-title-short}.",
            "type": "string"
          },
          "disableHubSelfManagement": {
            "description": "Disable automatic import of the hub cluster as a managed
cluster.",
            "type": "boolean"
          },
          "disableUpdateClusterImageSets": {
            "description": "Disable automatic update of ClusterImageSets.",
            "type": "boolean"
          },
          "hive": {
            "description": "(Deprecated) Overrides for the default HiveConfig specification.",
            "properties": {
              "additionalCertificateAuthorities": {

```

```

"description": "(Deprecated) AdditionalCertificateAuthorities is
  a list of references to secrets in the 'hive' namespace that
  contain an additional Certificate Authority to use when communicating
  with target clusters. These certificate authorities are
  used in addition to any self-signed CA generated by each cluster
  on installation.",
  "items": {
    "description": "LocalObjectReference contains the information
      to let you locate the referenced object inside the same namespace.",
    "properties": {
      "name": {
        "description": "Name of the referent. More info:
https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names",
        "type": "string"
      }
    },
    "type": "object"
  },
  "type": "array"
},
"backup": {
  "description": "(Deprecated) Backup specifies configuration for backup
    integration. If absent, backup integration is disabled.",
  "properties": {
    "minBackupPeriodSeconds": {
      "description": "(Deprecated) MinBackupPeriodSeconds specifies
        that a minimum of MinBackupPeriodSeconds occurs in between
        each backup. This is used to rate limit backups. This potentially
        batches together multiple changes into one backup. No backups
        are lost for changes that happen during the interval
        that is queued up, and results in a backup once
        the interval has been completed.",
      "type": "integer"
    },
    "velero": {
      "description": "(Deprecated) Velero specifies configuration for the Velero backup
        integration.",
      "properties": {
        "enabled": {
          "description": "(Deprecated) Enabled dictates if the Velero backup integration is enabled. If not
            specified, the default is disabled.",
          "type": "boolean"
        }
      },
      "type": "object"
    },
    "type": "object"
  },
  "externalDNS": {
    "description": "(Deprecated) ExternalDNS specifies configuration for external-dns if it is to be
      deployed by Hive. If absent, external-dns is not deployed.",
    "properties": {
      "aws": {
        "description": "(Deprecated) AWS contains AWS-specific settings for external DNS.",
        "properties": {

```

```

    "credentials": {
      "description": "(Deprecated) Credentials reference a secret that is used to authenticate with AWS
Route53. It needs permission to manage entries in each of the managed domains for this cluster.
Secret should have AWS keys named 'aws_access_key_id' and 'aws_secret_access_key'.",
      "properties": {
        "name": {
          "description": "Name of the referent. More info:
https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names",
          "type": "string"
        }
      }
    },
    "type": "object"
  }
},
"type": "object"
},
"gcpc": {
  "description": "(Deprecated) GCP contains Google Cloud Platform specific settings for external
DNS.",
  "properties": {
    "credentials": {
      "description": "(Deprecated) Credentials reference a secret that is used to authenticate with GCP
DNS. It needs permission to manage entries in each of the managed domains for this cluster. Secret
should have a key names 'osServiceAccount.json'. The credentials must specify the project to use.",
      "properties": {
        "name": {
          "description": "Name of the referent. More info:
https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names",
          "type": "string"
        }
      }
    },
    "type": "object"
  }
},
"type": "object"
},
"failedProvisionConfig": {
  "description": "(Deprecated) FailedProvisionConfig is used to configure settings related to handling
provision failures.",
  "properties": {
    "skipGatherLogs": {
      "description": "(Deprecated) SkipGatherLogs disables functionality that attempts to gather full logs
from the cluster if an installation fails for any reason. The logs are stored in a persistent volume for up
to seven days.",
      "type": "boolean"
    }
  }
},
"type": "object"
},
"globalPullSecret": {
  "description": "(Deprecated) GlobalPullSecret is used to specify a pull secret that is used globally by
all of the cluster deployments. For each cluster deployment, the contents of GlobalPullSecret are
merged with the specific pull secret for a cluster deployment(if specified), with precedence given to

```



```

the contents of the pull secret for the cluster deployment.",
  "properties": {
    "name": {
      "description": "Name of the referent. More info:
https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names",
      "type": "string"
    }
  },
  "type": "object"
},
"maintenanceMode": {
  "description": "(Deprecated) MaintenanceMode can be set to true to disable the Hive controllers
in situations where you need to ensure nothing is running that adds or act upon finalizers on Hive
types. This should rarely be needed. Sets replicas to zero for the 'hive-controllers' deployment to
accomplish this.",
  "type": "boolean"
},
"required": [
  "failedProvisionConfig"
],
"type": "object"
},
"imagePullSecret": {
  "description": "Override pull secret for accessing MultiClusterHub operand and endpoint images.",
  "type": "string"
},
"ingress": {
  "description": "Configuration options for ingress management.",
  "properties": {
    "sslCiphers": {
      "description": "List of SSL ciphers enabled for management ingress. Defaults to full list of supported
ciphers.",
      "items": {
        "type": "string"
      },
      "type": "array"
    }
  },
  "type": "object"
},
"nodeSelector": {
  "additionalProperties": {
    "type": "string"
  },
  "description": "Set the node selectors..",
  "type": "object"
},
"overrides": {
  "description": "Developer overrides.",
  "properties": {
    "imagePullPolicy": {
      "description": "Pull policy of the multicluster hub images.",
      "type": "string"
    }
  }
},

```

```

    "type": "object"
  },
  "separateCertificateManagement": {
    "description": "(Deprecated) Install cert-manager into its own namespace.",
    "type": "boolean"
  },
  "type": "object"
},
"status": {
  "description": "MultiClusterHubStatus defines the observed state of MultiClusterHub.",
  "properties": {
    "components": {
      "additionalProperties": {
        "description": "StatusCondition contains condition information.",
        "properties": {
          "lastTransitionTime": {
            "description": "LastTransitionTime is the last time the condition changed from one status to
another.",
            "format": "date-time",
            "type": "string"
          },
          "message": {
            "description": "Message is a human-readable message indicating details about the last status
change.",
            "type": "string"
          },
          "reason": {
            "description": "Reason is a (brief) reason for the last status change of the condition.",
            "type": "string"
          },
          "status": {
            "description": "Status is the status of the condition. One of True, False, Unknown.",
            "type": "string"
          }
        }
      },
      "type": {
        "description": "Type is the type of the cluster condition.",
        "type": "string"
      }
    }
  },
  "type": "object"
},
  "description": "Components []ComponentCondition `json:\"manifests,omitempty\"`",
  "type": "object"
},
  "conditions": {
    "description": "Conditions contain the different condition statuses for the MultiClusterHub.",
    "items": {
      "description": "StatusCondition contains condition information.",
      "properties": {
        "lastTransitionTime": {
          "description": "LastTransitionTime is the last time the condition changed from one status to
another.",
          "format": "date-time",
          "type": "string"
        }
      }
    }
  },

```

```

    "lastUpdateTime": {
      "description": "The last time this condition was updated.",
      "format": "date-time",
      "type": "string"
    },
    "message": {
      "description": "Message is a human-readable message indicating details about the last status
change.",
      "type": "string"
    },
    "reason": {
      "description": "Reason is a (brief) reason for the last status change of the condition.",
      "type": "string"
    },
    "status": {
      "description": "Status is the status of the condition. One of True, False, Unknown.",
      "type": "string"
    },
    "type": {
      "description": "Type is the type of the cluster condition.",
      "type": "string"
    }
  },
  "type": "object"
},
"array"
},
"currentVersion": {
"description": "CurrentVersion indicates the current version..",
"type": "string"
},
"desiredVersion": {
"description": "DesiredVersion indicates the desired version.",
"type": "string"
},
"phase": {
"description": "Represents the running phase of the MultiClusterHub",
"type": "string"
}
},
  "type": "object"
}
},
  "type": "object"
}
},
"served": true,
"storage": true,
"subresources": {
"status": {}
}
}
]
}
}
}

```

1.13.2.2. Query all MultiClusterHubs

```
GET /operator.open-cluster-management.io/v1beta1/namespaces/{namespace}/operator
```

1.13.2.2.1. Description

Query your multicluster hub operator for more details.

1.13.2.2.2. Parameters

| Type | Name | Description | Schema |
|--------|-------------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.13.2.2.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.13.2.2.4. Consumes

- **operator/yaml**

1.13.2.2.5. Tags

- multiclusterhubs.operator.open-cluster-management.io

1.13.2.3. Query a MultiClusterHub operator

```
GET /operator.open-cluster-management.io/v1beta1/namespaces/{namespace}/operator/{multiclusterhub_name}
```

1.13.2.3.1. Description

Query a single multicluster hub operator for more details.

1.13.2.3.2. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | application_name <i>required</i> | Name of the application that you want to query. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.13.2.3.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.13.2.3.4. Tags

- multiclusterhubs.operator.open-cluster-management.io

1.13.2.4. Delete a MultiClusterHub operator

```
DELETE /operator.open-cluster-management.io/v1beta1/namespaces/{namespace}/operator/{multiclusterhub_name}
```

1.13.2.4.1. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |

| Type | Name | Description | Schema |
|------|--|--|--------|
| Path | application_name <i>required</i> | Name of the multicluster hub operator that you want to delete. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.13.2.4.2. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.13.2.4.3. Tags

- `multiclusterhubs.operator.open-cluster-management.io`

1.13.3. Definitions

1.13.3.1. Multicluster hub operator

| Name | Description | Schema |
|--------------------------------------|---|----------------------|
| apiVersion <i>required</i> | The versioned schema of the MultiClusterHub. | string |
| kind <i>required</i> | String value that represents the REST resource. | string |
| metadata <i>required</i> | Describes rules that define the resource. | object |
| spec <i>required</i> | The resource specification. | spec |

spec

| availabilityConfig <i>optional</i> | Specifies deployment replication for improved availability. The default value is High . | string |
|---|---|-------------------------|
| customCAConfigmap <i>optional</i> | Provide the customized OpenShift default ingress CA certificate to Red Hat Advanced Cluster Management. | string |
| disableHubSelfManagement <i>optional</i> | Disable automatic import of the hub cluster as a managed cluster. | boolean |
| disableUpdateClusterImageSets <i>optional</i> | Disable automatic update of ClusterImageSets. | boolean |
| hive <i>optional</i> | (Deprecated) An object that overrides for the default HiveConfig specification. | hive |
| imagePullSecret <i>optional</i> | Overrides pull secret for accessing MultiClusterHub operand and endpoint images. | string |
| ingress <i>optional</i> | Configuration options for ingress management. | ingress |
| nodeSelector <i>optional</i> | Set the node selectors. | string |
| separateCertificateManagement <i>optional</i> | (Deprecated) Install cert-manager into its own namespace. | boolean |

hive

| | | |
|--|---|---------------------------------------|
| additionalCertificateAuthorities <i>optional</i> | (Deprecated) A list of references to secrets in the hive namespace that contain an additional Certificate Authority to use when communicating with target clusters. These certificate authorities are used in addition to any self-signed CA generated by each cluster on installation. | object |
| backup <i>optional</i> | (Deprecated) Specifies the configuration for backup integration. If absent, backup integration is disabled. | backup |
| externalDNS <i>optional</i> | (Deprecated) Specifies configuration for external-dns if it is to be deployed by Hive. If absent, external-dns is not be deployed. | object |
| failedProvisionConfig <i>required</i> | (Deprecated) Used to configure settings related to handling provision failures. | failedProvisionConfig |
| globalPullSecret <i>optional</i> | (Deprecated) Used to specify a pull secret that is used globally by all of the cluster deployments. For each cluster deployment, the contents of globalPullSecret are merged with the specific pull secret for a cluster deployment (if specified), with precedence given to the contents of the pull secret for the cluster deployment. | object |
| maintenanceMode <i>optional</i> | (Deprecated) Can be set to true to disable the hive controllers in situations where you need to ensure nothing is running that adds or acts upon finalizers on Hive types. This should rarely be needed. Sets replicas to 0 for the hive-controllers deployment to accomplish this. | boolean |

ingress

| | | |
|--------------------------------------|---|--------|
| sslCiphers <i>optional</i> | List of SSL ciphers enabled for management ingress. Defaults to full list of supported ciphers. | string |
|--------------------------------------|---|--------|

backup

| | | |
|--|---|---------|
| minBackupPeriodSeconds <i>optional</i> | (Deprecated) Specifies that a minimum of MinBackupPeriodSeconds occurs in between each backup. This is used to rate limit backups. This potentially batches together multiple changes into one backup. No backups are lost as changes happen during this interval are queued up and result in a backup happening once the interval has been completed. | integer |
| velero <i>optional</i> | (Deprecated) Velero specifies configuration for the Velero backup integration. | object |

failedProvisionConfig

| | | |
|--|--|---------|
| skipGatherLogs <i>optional</i> | (Deprecated) Disables functionality that attempts to gather full logs from the cluster if an installation fails for any reason. The logs are stored in a persistent volume for up to seven days. | boolean |
|--|--|---------|

status

| | | |
|--|---|----------------------------|
| components <i>optional</i> | The components of the status configuration. | object |
| conditions <i>optional</i> | Contains the different conditions for the multicluster hub. | conditions |
| desiredVersion <i>optional</i> | Indicates the desired version. | string |

| components <i>optional</i> | The components of the status configuration. | object |
|--------------------------------------|---|--------|
| phase <i>optional</i> | Represents the active phase of the MultiClusterHub resource. The values that are used for this parameter are: Pending, Running, Installing, Updating, Uninstalling | string |

conditions

| lastTransitionTime <i>optional</i> | The last time the condition changed from one status to another. | string |
|--|--|--------|
| lastUpdateTime <i>optional</i> | The last time this condition was updated. | string |
| message <i>required</i> | Message is a human-readable message indicating details about the last status change. | string |
| reason <i>required</i> | A brief reason for why the condition status changed. | string |
| status <i>required</i> | The status of the condition. | string |
| type <i>required</i> | The type of the cluster condition. | string |

StatusConditions

| kind <i>required</i> | The resource kind that represents this status. | string |
|--|---|-------------|
| available <i>required</i> | Indicates whether this component is properly running. | boolean |
| lastTransitionTime <i>optional</i> | The last time the condition changed from one status to another. | metav1.time |
| lastUpdateTime <i>optional</i> | The last time this condition was updated. | metav1.time |

| kind <i>required</i> | The resource kind that represents this status. | string |
|-----------------------------------|--|--------|
| message <i>required</i> | Message is a human-readable message indicating details about the last status change. | string |
| reason <i>optional</i> | A brief reason for why the condition status changed. | string |
| status <i>optional</i> | The status of the condition. | string |
| type <i>optional</i> | The type of the cluster condition. | string |

1.14. PLACEMENT API (V1BETA1)

1.14.1. Overview

This documentation is for the Placement resource for Red Hat Advanced Cluster Management for Kubernetes. The Placement resource has four possible requests: create, query, delete, and update. Placement defines a rule to select a set of ManagedClusters from the ManagedClusterSets that are bound to the placement namespace. A slice of PlacementDecisions with the label **cluster.open-cluster-management.io/placement={placement name}** is created to represent the ManagedClusters that are selected by this placement.

1.14.1.1. Version information

Version : 2.10.0

1.14.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.14.1.3. Tags

- cluster.open-cluster-management.io : Create and manage Placements

1.14.2. Paths

1.14.2.1. Query all Placements

GET /cluster.open-cluster-management.io/v1beta1/namespaces/{namespace}/placement

1.14.2.1.1. Description

Query your Placements for more details.

1.14.2.1.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |

1.14.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.14.2.1.4. Consumes

- **placement/yaml**

1.14.2.1.5. Tags

- cluster.open-cluster-management.io

1.14.2.2. Create a Placement

POST /cluster.open-cluster-management.io/v1beta1/namespaces/{namespace}/placements

1.14.2.2.1. Description

Create a Placement.

1.14.2.2.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|---------------------------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Body | body <i>required</i> | Parameters describing the placement binding to be created. | Placement |

1.14.2.2.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.14.2.2.4. Consumes

- **placement/yaml**

1.14.2.2.5. Tags

- cluster.open-cluster-management.io

1.14.2.2.6. Example HTTP request

1.14.2.2.6.1. Request body

```
{
  "apiVersion" : "cluster.open-cluster-management.io/v1beta1",
  "kind" : "Placement",
  "metadata" : {
    "name" : "placement1",
    "namespace": "ns1"
  },
  "spec": {
    "predicates": [
      {
        "requiredClusterSelector": {
          "labelSelector": {
            "matchLabels": {
              "vendor": "OpenShift"
            }
          }
        }
      }
    ]
  },
  "status" : {}
}
```

1.14.2.3. Query a single Placement

GET /cluster.open-cluster-management.io/v1beta1/namespaces/{namespace}/placements/{placement_name}

1.14.2.3.1. Description

Query a single Placement for more details.

1.14.2.3.2. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | placement_name <i>required</i> | Name of the Placement that you want to query. | string |

1.14.2.3.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.14.2.3.4. Tags

- cluster.open-cluster-management.io

1.14.2.4. Delete a Placement

DELETE /cluster.open-cluster-management.io/v1beta1/namespaces/{namespace}/placements/{placement_name}

1.14.2.4.1. Description

Delete a single Placement.

1.14.2.4.2. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | placement_name <i>required</i> | Name of the Placement that you want to delete. | string |

1.14.2.4.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.14.2.4.4. Tags

- cluster.open-cluster-management.io

1.14.3. Definitions

1.14.3.1. Placement

| Name | Description | Schema |
|--------------------------------------|---|----------------------|
| apiVersion <i>required</i> | Versioned schema of the Placement. | string |
| kind <i>required</i> | String value that represents the REST resource. | string |
| metadata <i>required</i> | Metadata of the Placement. | object |
| spec <i>required</i> | Specification of the Placement. | spec |

spec

| Name | Description | Schema |
|---|--|--|
| clusterSets <i>optional</i> | A subset of ManagedClusterSets from which the ManagedClusters are selected. If the ManagedClusterSet is empty, ManagedClusters are selected from the ManagedClusterSets that are bound to the Placement namespace. If the ManagedClusterSet contains ManagedClusters , ManagedClusters are selected from the intersection of this subset. The selected ManagedClusterSets are bound to the placement namespace. | string array |
| numberOfClusters <i>optional</i> | Number of ManagedClusters that you want to be selected. | integer (int32) |
| predicates <i>optional</i> | Subset of cluster predicates that select ManagedClusters . The conditional logic is <i>OR</i> . | clusterPredicate array |
| prioritizerPolicy <i>optional</i> | Policy of the prioritizers. | prioritizerPolicy |
| tolerations <i>optional</i> | Value that allows, but does not require, the managed clusters with certain taints to be selected by placements with matching tolerations. | toleration array |

clusterPredicate

| Name | Description | Schema |
|---|---|---------------------------------|
| requiredClusterSelector <i>optional</i> | A cluster selector to select ManagedClusters with a label and cluster claim. | clusterSelector |

clusterSelector

| Name | Description | Schema |
|---|--|--------------------------------------|
| labelSelector <i>optional</i> | Selector of ManagedClusters by label. | object |
| claimSelector <i>optional</i> | Selector of ManagedClusters by claim. | clusterClaimSelector |

clusterClaimSelector

| Name | Description | Schema |
|--|--|------------------|
| matchExpressions <i>optional</i> | Subset of the cluster claim selector requirements. The conditional logic is <i>AND</i> . | < object > array |

prioritizerPolicy

| Name | Description | Schema |
|--|---|---|
| mode <i>optional</i> | Either Exact , Additive , or "". The default value of "" is Additive . | string |
| configurations <i>optional</i> | Configuration of the prioritizer. | prioritizerConfig array |

prioritizerConfig

| Name | Description | Schema |
|---|--|---------------------------------|
| scoreCoordinate <i>required</i> | Configuration of the prioritizer and score source. | scoreCoordinate |
| weight <i>optional</i> | Weight of the prioritizer score. The value must be within the range: [-10,10]. | int32 |

scoreCoordinate

| Name | Description | Schema |
|--------------------------------|---|--------|
| type <i>required</i> | Type of the prioritizer score. Valid values are "BuiltIn" or "AddOn". | string |

| Name | Description | Schema |
|-----------------------------------|---|--------|
| builtIn <i>optional</i> | Name of a BuiltIn prioritizer from the following options: 1) Balance: Balance the decisions among the clusters. 2) Steady: Ensure the existing decision is stabilized. 3) ResourceAllocatableCPU & ResourceAllocatableMemory: Sort clusters based on the allocatable resources. 4) Spread: Spread the workload evenly to topologies. | string |
| addOn <i>optional</i> | When type is AddOn , AddOn defines the resource name and score name. | object |

toleration

| Name | Description | Schema |
|---|---|--------|
| key <i>optional</i> | Taint key that the toleration applies to. Empty means match all of the taint keys. | string |
| operator <i>optional</i> | Relationship of a key to the value. Valid operators are Exists and Equal . The default value is Equal . | string |
| value <i>optional</i> | Taint value that matches the toleration. | string |
| effect <i>optional</i> | Taint effect to match. Empty means match all of the taint effects. When specified, allowed values are NoSelect , PreferNoSelect , and NoSelectIfNew . | string |
| tolerationSeconds <i>optional</i> | Length of time that a taint is tolerated, after which the taint is not tolerated. The default value is nil, which indicates that there is no time limit on how long the taint is tolerated. | int64 |

1.15. PLACEMENTDECISIONS API (V1BETA1)

1.15.1. Overview

This documentation is for the PlacementDecision resource for Red Hat Advanced Cluster Management for Kubernetes. The PlacementDecision resource has four possible requests: create, query, delete, and update. A PlacementDecision indicates a decision from a placement. A PlacementDecision uses the label **cluster.open-cluster-management.io/placement={placement name}** to reference a certain placement.

1.15.1.1. Version information

Version : 2.10.0

1.15.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.15.1.3. Tags

- cluster.open-cluster-management.io : Create and manage PlacementDecisions.

1.15.2. Paths

1.15.2.1. Query all PlacementDecisions

GET /cluster.open-cluster-management.io/v1beta1/namespaces/{namespace}/placementdecisions

1.15.2.1.1. Description

Query your PlacementDecisions for more details.

1.15.2.1.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |

1.15.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.15.2.1.4. Consumes

- **placementdecision/yaml**

1.15.2.1.5. Tags

- cluster.open-cluster-management.io

1.15.2.2. Create a PlacementDecision

POST /cluster.open-cluster-management.io/v1beta1/namespaces/{namespace}/placementdecisions

1.15.2.2.1. Description

Create a PlacementDecision.

1.15.2.2.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|-----------------------------------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Body | body <i>required</i> | Parameters describing the PlacementDecision to be created. | PlacementDecision |

1.15.2.2.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |

| HTTP Code | Description | Schema |
|-----------|---------------------|------------|
| 503 | Service unavailable | No Content |

1.15.2.2.4. Consumes

- **placementdecision/yaml**

1.15.2.2.5. Tags

- cluster.open-cluster-management.io

1.15.2.2.6. Example HTTP request

1.15.2.2.6.1. Request body

```
{
  "apiVersion" : "cluster.open-cluster-management.io/v1beta1",
  "kind" : "PlacementDecision",
  "metadata" : {
    "labels" : {
      "cluster.open-cluster-management.io/placement" : "placement1"
    },
    "name" : "placement1-decision1",
    "namespace": "ns1"
  },
  "status" : {}
}
```

1.15.2.3. Query a single PlacementDecision

```
GET /cluster.open-cluster-
management.io/v1beta1/namespaces/{namespace}/placementdecisions/{placementdecision_name}
```

1.15.2.3.1. Description

Query a single PlacementDecision for more details.

1.15.2.3.2. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | placementdecision_name <i>required</i> | Name of the PlacementDecision that you want to query. | string |

1.15.2.3.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.15.2.3.4. Tags

- cluster.open-cluster-management.io

1.15.2.4. Delete a PlacementDecision

```
DELETE /cluster.open-cluster-management.io/v1beta1/namespaces/{namespace}/placementdecisions/{placementdecision_name}
```

1.15.2.4.1. Description

Delete a single PlacementDecision.

1.15.2.4.2. Parameters

| Type | Name | Description | Schema |
|--------|--|--|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | placementdecision_name <i>required</i> | Name of the PlacementDecision that you want to delete. | string |

1.15.2.4.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.15.2.4.4. Tags

- cluster.open-cluster-management.io

1.15.3. Definitions

1.15.3.1. PlacementDecision

| Name | Description | Schema |
|--------------------------------------|--|---------------------------------|
| apiVersion <i>required</i> | Versioned schema of PlacementDecision . | string |
| kind <i>required</i> | String value that represents the REST resource. | string |
| metadata <i>required</i> | Metadata of PlacementDecision . | object |
| status <i>optional</i> | Current status of the PlacementDecision . | PlacementStatus |

PlacementStatus

| Name | Description | Schema |
|-------------------------------------|--|---------------------------------------|
| Decisions <i>required</i> | Slice of decisions according to a placement. | ClusterDecision array |

ClusterDecision

| Name | Description | Schema |
|---------------------------------------|-------------------------------------|--------|
| clusterName <i>required</i> | Name of the ManagedCluster . | string |

| Name | Description | Schema |
|----------------------------------|---|--------|
| reason <i>required</i> | Reason why the ManagedCluster is selected. | string |

1.16. DISCOVERYCONFIG API

1.16.1. Overview

This documentation is for the DiscoveryConfig resource for Red Hat Advanced Cluster Management for Kubernetes. The DiscoveryConfig resource has four possible requests: create, query, delete, and update.

1.16.1.1. Version information

Version : 2.10.0

1.16.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.16.1.3. Tags

- discoveryconfigs.discovery.open-cluster-management.io : Create and manage DiscoveryConfigs

1.16.2. Paths

1.16.2.1. Create a DiscoveryConfig

POST /app.k8s.io/v1/namespaces/{namespace}/discoveryconfigs

1.16.2.1.1. Description

Create a DiscoveryConfig.

1.16.2.1.2. Parameters

| Type | Name | Description | Schema |
|---------------|-------------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

| Type | Name | Description | Schema |
|------|--------------------------------|--|-----------------|
| Body | body <i>required</i> | Parameters describing the DiscoveryConfig to be created. | DiscoveryConfig |

1.16.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.16.2.1.4. Consumes

- **discoveryconfigs/yaml**

1.16.2.1.5. Tags

- `discoveryconfigs.discovery.open-cluster-management.io`

1.16.2.1.5.1. Request body

```
{
  "apiVersion": "apiextensions.k8s.io/v1",
  "kind": "CustomResourceDefinition",
  "metadata": {
    "annotations": {
      "controller-gen.kubebuilder.io/version": "v0.4.1",
    },
    "creationTimestamp": null,
    "name": "discoveryconfigs.discovery.open-cluster-management.io",
  },
  "spec": {
    "group": "discovery.open-cluster-management.io",
    "names": {
      "kind": "DiscoveryConfig",
      "listKind": "DiscoveryConfigList",
      "plural": "discoveryconfigs",
      "singular": "discoveryconfig"
    },
    "scope": "Namespaced",
    "versions": [
```

```

{
  "name": "v1",
  "schema": {
    "openAPIV3Schema": {
      "description": "DiscoveryConfig is the Schema for the discoveryconfigs API",
      "properties": {
        "apiVersion": {
          "description": "APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources",
          "type": "string"
        },
        "kind": {
          "description": "Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds",
          "type": "string"
        },
        "metadata": {
          "type": "object"
        },
        "spec": {
          "description": "DiscoveryConfigSpec defines the desired state of DiscoveryConfig",
          "properties": {
            "credential": {
              "description": "Credential is the secret containing credentials to connect to the OCM api on behalf of a user",
              "type": "string"
            },
            "filters": {
              "description": "Sets restrictions on what kind of clusters to discover",
              "properties": {
                "lastActive": {
                  "description": "LastActive is the last active in days of clusters to discover, determined by activity timestamp",
                  "type": "integer"
                },
                "openShiftVersions": {
                  "description": "OpenShiftVersions is the list of release versions of OpenShift of the form \"<Major>.<Minor>\"",
                  "items": {
                    "description": "Semver represents a partial semver string with the major and minor version in the form \"<Major>.<Minor>\". For example: \"4.13\"",
                    "pattern": "^(?:0|[1-9]\\d*)(?:0|[1-9]\\d*)$",
                    "type": "string"
                  },
                  "type": "array"
                }
              }
            }
          }
        },
        "type": "object"
      }
    }
  },
  "required": [
    "credential"
  ]
}

```

```

    ],
    "type": "object"
  },
  "status": {
    "description": "DiscoveryConfigStatus defines the observed state of DiscoveryConfig",
    "type": "object"
  }
}
},
"type": "object"
}
},
"served": true,
"storage": true,
"subresources": {
  "status": {}
}
}
]
},
"status": {
  "acceptedNames": {
    "kind": "",
    "plural": ""
  },
  "conditions": [],
  "storedVersions": []
}
}
}

```

1.16.2.2. Query all DiscoveryConfigs

```
GET /operator.open-cluster-management.io/v1/namespaces/{namespace}/operator
```

1.16.2.2.1. Description

Query your discovery config operator for more details.

1.16.2.2.2. Parameters

| Type | Name | Description | Schema |
|--------|-------------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.16.2.2.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.16.2.2.4. Consumes

- **operator/yaml**

1.16.2.2.5. Tags

- `discoveryconfigs.discovery.open-cluster-management.io`

1.16.2.3. Delete a DiscoveryConfig operator

```
DELETE /operator.open-cluster-management.io/v1/namespaces/{namespace}/operator/{discoveryconfigs_name}
```

1.16.2.3.1. Parameters

| Type | Name | Description | Schema |
|--------|--|--|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | application_name <i>required</i> | Name of the Discovery Config operator that you want to delete. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.16.2.3.2. Responses

| HTTP Code | Description | Schema |
|-----------|-------------|------------|
| 200 | Success | No Content |

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.16.2.3.3. Tags

- `discoveryconfigs.operator.open-cluster-management.io`

1.16.3. Definitions

1.16.3.1. DiscoveryConfig

| Name | Description | Schema |
|--------------------------------------|---|--------------------------|
| apiVersion <i>required</i> | The versioned schema of the discoveryconfigs. | string |
| kind <i>required</i> | String value that represents the REST resource. | string |
| metadata <i>required</i> | Describes rules that define the resource. | object |
| spec <i>required</i> | Defines the desired state of DiscoveryConfig. | See <i>List of specs</i> |

1.16.3.2. List of specs

| Name | Description | Schema |
|--------------------------------------|--|----------------------------|
| credential <i>required</i> | Credential is the secret containing credentials to connect to the OCM API on behalf of a user. | string |
| filters <i>optional</i> | Sets restrictions on what kind of clusters to discover. | See <i>List of filters</i> |

1.16.3.3. List of filters

| Name | Description | Schema |
|---|--|---------|
| lastActive <i>required</i> | LastActive is the last active in days of clusters to discover, determined by activity timestamp. | integer |
| openShiftVersions <i>optional</i> | OpenShiftVersions is the list of release versions of OpenShift of the form "<Major>.<Minor>" | object |

1.17. DISCOVEREDCLUSTER API

1.17.1. Overview

This documentation is for the DiscoveredCluster resource for Red Hat Advanced Cluster Management for Kubernetes. The DiscoveredCluster resource has four possible requests: create, query, delete, and update.

1.17.1.1. Version information

Version : 2.10.0

1.17.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.17.1.3. Tags

- discoveredclusters.discovery.open-cluster-management.io : Create and manage DiscoveredClusters

1.17.2. Paths

1.17.2.1. Create a DiscoveredCluster

POST /app.k8s.io/v1/namespaces/{namespace}/discoveredclusters

1.17.2.1.1. Description

Create a DiscoveredCluster.

1.17.2.1.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |

| Type | Name | Description | Schema |
|------|-------------------------------------|--|-------------------|
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |
| Body | body <i>required</i> | Parameters describing the DiscoveredCluster to be created. | DiscoveredCluster |

1.17.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.17.2.1.4. Consumes

- **discoveredclusters/yaml**

1.17.2.1.5. Tags

- discoveredclusters.discovery.open-cluster-management.io

1.17.2.1.5.1. Request body

```
{
  "apiVersion": "apiextensions.k8s.io/v1",
  "kind": "CustomResourceDefinition",
  "metadata": {
    "annotations": {
      "controller-gen.kubebuilder.io/version": "v0.4.1",
    },
    "creationTimestamp": null,
    "name": "discoveredclusters.discovery.open-cluster-management.io",
  },
  "spec": {
    "group": "discovery.open-cluster-management.io",
    "names": {
      "kind": "DiscoveredCluster",
      "listKind": "DiscoveredClusterList",
      "plural": "discoveredclusters",
      "singular": "discoveredcluster"
    }
  }
}
```

```

},
"scope": "Namespaced",
"versions": [
  {
    "name": "v1",
    "schema": {
      "openAPIV3Schema": {
        "description": "DiscoveredCluster is the Schema for the discoveredclusters API",
        "properties": {
          "apiVersion": {
            "description": "APIVersion defines the versioned schema of this representation of an object.
Servers should convert recognized schemas to the latest internal value, and may reject unrecognized
values. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-
conventions.md#resources",
            "type": "string"
          },
          "kind": {
            "description": "Kind is a string value representing the REST resource this object represents.
Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In
CamelCase. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-
conventions.md#types-kinds",
            "type": "string"
          },
          "metadata": {
            "type": "object"
          },
          "spec": {
            "description": "DiscoveredClusterSpec defines the desired state of DiscoveredCluster",
            "properties": {
              "activityTimestamp": {
                "format": "date-time",
                "type": "string"
              },
              "apiUrl": {
                "type": "string"
              },
              "cloudProvider": {
                "type": "string"
              },
              "console": {
                "type": "string"
              },
              "creationTimestamp": {
                "format": "date-time",
                "type": "string"
              },
              "credential": {
                "description": "ObjectReference contains enough information to let you inspect or modify
the referred object. --- New uses of this type are discouraged because of difficulty describing its
usage when embedded in APIs.
1. Ignored fields. It includes many fields which are not generally
honored. For instance, ResourceVersion and FieldPath are both very rarely valid in actual usage.
2. Invalid usage help. It is impossible to add specific help for individual usage. In most embedded
usages, there are particular restrictions like, \"must refer only to types A and B\" or \"UID not
honored\" or \"name must be restricted\". Those cannot be well described when embedded.
3. Inconsistent validation. Because the usages are different, the validation rules are different by usage,
which makes it hard for users to predict what will happen.
4. The fields are both imprecise and overly

```


precise. Kind is not a precise mapping to a URL. This can produce ambiguity during interpretation and require a REST mapping. In most cases, the dependency is on the group,resource tuple and the version of the actual struct is irrelevant. 5. We cannot easily change it. Because this type is embedded in many locations, updates to this type will affect numerous schemas. Don't make new APIs embed an underspecified API type they do not control. Instead of using this type, create a locally provided and used type that is well-focused on your reference. For example, ServiceReferences for admission registration: <https://github.com/kubernetes/api/blob/release-1.17/admissionregistration/v1/types.go#L533> .",

```

    "properties": {
      "apiVersion": {
        "description": "API version of the referent.",
        "type": "string"
      },
      "fieldPath": {
        "description": "If referring to a piece of an object instead of an entire object, this string should contain a valid JSON/Go field access statement, such as desiredState.manifest.containers[2]. For example, if the object reference is to a container within a pod, this would take on a value like: \"spec.containers{name}\" (where \"name\" refers to the name of the container that triggered the event) or if no container name is specified \"spec.containers[2]\" (container with index 2 in this pod). This syntax is chosen only to have some well-defined way of referencing a part of an object. TODO: this design is not final and this field is subject to change in the future.",
        "type": "string"
      },
      "kind": {
        "description": "Kind of the referent. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds",
        "type": "string"
      },
      "name": {
        "description": "Name of the referent. More info: https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names",
        "type": "string"
      },
      "namespace": {
        "description": "Namespace of the referent. More info: https://kubernetes.io/docs/concepts/overview/working-with-objects/namespaces/",
        "type": "string"
      },
      "resourceVersion": {
        "description": "Specific resourceVersion to which this reference is made, if any. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#concurrency-control-and-consistency",
        "type": "string"
      },
      "uid": {
        "description": "UID of the referent. More info: https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#uids",
        "type": "string"
      }
    },
    "type": "object"
  },
  "displayName": {
    "type": "string"
  },
  "isManagedCluster": {

```

```

        "type": "boolean"
      },
      "name": {
        "type": "string"
      },
      "openshiftVersion": {
        "type": "string"
      },
      "status": {
        "type": "string"
      },
      "type": {
        "type": "string"
      }
    },
    "required": [
      "apiUrl",
      "displayName",
      "isManagedCluster",
      "name",
      "type"
    ],
    "type": "object"
  },
  "status": {
    "description": "DiscoveredClusterStatus defines the observed state of DiscoveredCluster",
    "type": "object"
  }
},
"type": "object"
}
},
"served": true,
"storage": true,
"subresources": {
  "status": {}
}
}
]
},
"status": {
  "acceptedNames": {
    "kind": "",
    "plural": ""
  },
  "conditions": [],
  "storedVersions": []
}
}

```

1.17.2.2. Query all DiscoveredClusters

```
GET /operator.open-cluster-management.io/v1/namespaces/{namespace}/operator
```

1.17.2.2.1. Description

Query your discovered clusters operator for more details.

1.17.2.2.2. Parameters

| Type | Name | Description | Schema |
|--------|-------------------------------------|--|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.17.2.2.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.17.2.2.4. Consumes

- **operator/yaml**

1.17.2.2.5. Tags

- discoveredclusters.discovery.open-cluster-management.io

1.17.2.3. Delete a DiscoveredCluster operator

```
DELETE /operator.open-cluster-
management.io/v1/namespaces/{namespace}/operator/{discoveredclusters_name}
```

1.17.2.3.1. Parameters

| Type | Name | Description | Schema |
|------|------|-------------|--------|
|------|------|-------------|--------|

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | application_name <i>required</i> | Name of the Discovered Cluster operator that you want to delete. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.17.2.3.2. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.17.2.3.3. Tags

- `discoveredclusters.operator.open-cluster-management.io`

1.17.3. Definitions

1.17.3.1. DiscoveredCluster

| Name | Description | Schema |
|--------------------------------------|---|--------|
| apiVersion <i>required</i> | The versioned schema of the discoveredclusters. | string |
| kind <i>required</i> | String value that represents the REST resource. | string |
| metadata <i>required</i> | Describes rules that define the resource. | object |

| Name | Description | Schema |
|--------------------------------|---|--------------------------|
| spec <i>required</i> | DiscoveredClusterSpec defines the desired state of DiscoveredCluster. | See <i>List of specs</i> |

1.17.3.2. List of specs

| Name | Description | Schema |
|---|--|------------------------|
| activityTimestamp <i>optional</i> | Discoveredclusters last available activity timestamp. | metav1.time |
| apiUrl <i>required</i> | Discoveredclusters API URL endpoint. | string |
| cloudProvider <i>optional</i> | Cloud provider of discoveredcluster. | string |
| console <i>optional</i> | Discoveredclusters console URL endpoint. | string |
| creationTimestamp <i>optional</i> | Discoveredclusters creation timestamp. | metav1.time |
| credential <i>optional</i> | The reference to the credential from which the cluster was discovered. | corev1.ObjectReference |
| displayName <i>required</i> | The display name of the discovered cluster. | string |
| isManagedCluster <i>required</i> | If true, cluster is managed by ACM. | boolean |
| name <i>required</i> | The name of the discoveredcluster. | string |
| openshiftVersion <i>optional</i> | The OpenShift version of the discovered cluster. | string |
| status <i>optional</i> | The status of the discovered cluster. | string |
| type <i>required</i> | The OpenShift flavor (ex. OCP, ROSA, etc.). | string |

1.18. ADDONDEPLOYMENTCONFIG API (V1ALPHA1)

1.18.1. Overview

This documentation is for the AddOnDeploymentConfig resource for Red Hat Advanced Cluster Management for Kubernetes. The AddOnDeploymentConfig resource has four possible requests: create, query, delete, and update. AddOnDeploymentConfig represents a deployment configuration for an add-on.

1.18.1.1. Version information

Version : 2.10.0

1.18.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.18.1.3. Tags

- `addon.open-cluster-management.io` : Create and manage AddOnDeploymentConfigs

1.18.2. Paths

1.18.2.1. Query all AddOnDeploymentConfigs

GET /addon.open-cluster-management.io/v1alpha1/namespaces/{namespace}/addondeploymentconfigs

1.18.2.1.1. Description

Query your AddOnDeploymentConfigs for more details.

1.18.2.1.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|--|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |

1.18.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.18.2.1.4. Consumes

- **addondeploymentconfig/yaml**

1.18.2.1.5. Tags

- `addon.open-cluster-management.io`

1.18.2.2. Create a AddOnDeploymentConfig

POST /addon.open-cluster-management.io/v1alpha1/namespaces/{namespace}/addondeploymentconfigs

1.18.2.2.1. Description

Create a AddOnDeploymentConfig.

1.18.2.2.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|--|---------------------------------------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Body | body <i>required</i> | Parameters describing the AddOnDeploymentConfig binding to be created. | AddOnDeploymentConfig |

1.18.2.2.3. Responses

| HTTP Code | Description | Schema |
|-----------|--------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.18.2.2.4. Consumes

- **addondeploymentconfig/yaml**

1.18.2.2.5. Tags

- `addon.open-cluster-management.io`

1.18.2.2.6. Example HTTP request

1.18.2.2.6.1. Request body

```
{
  "apiVersion": "addon.open-cluster-management.io/v1alpha1",
  "kind": "AddOnDeploymentConfig",
  "metadata": {
    "name": "deploy-config",
    "namespace": "open-cluster-management-hub"
  },
  "spec": {
    "nodePlacement": {
      "nodeSelector": {
        "node-dedicated": "acm-addon"
      },
      "tolerations": [
        {
          "effect": "NoSchedule",
          "key": "node-dedicated",
          "operator": "Equal",
          "value": "acm-addon"
        }
      ]
    }
  }
}
```

1.18.2.3. Query a single AddOnDeploymentConfig

```
GET /addon.open-cluster-
management.io/v1alpha1/namespaces/{namespace}/addondeploymentconfigs/{addondeploymentconfig
_name}
```

1.18.2.3.1. Description

Query a single `AddOnDeploymentConfig` for more details.

1.18.2.3.2. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | addondeploymentconfig_name <i>required</i> | Name of the <code>AddOnDeploymentConfig</code> that you want to query. | string |

1.18.2.3.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.18.2.3.4. Tags

- `addon.open-cluster-management.io`

1.18.2.4. Delete a `AddOnDeploymentConfig`

```
DELETE /addon.open-cluster-management.io/v1alpha1/namespaces/{namespace}/addondeploymentconfigs/{addondeploymentconfig_name}
```

1.18.2.4.1. Description

Delete a single `AddOnDeploymentConfig`.

1.18.2.4.2. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | addondeploymentconfig_name <i>required</i> | Name of the AddOnDeploymentConfig that you want to delete. | string |

1.18.2.4.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.18.2.4.4. Tags

- `addon.open-cluster-management.io`

1.18.3. Definitions

1.18.3.1. AddOnDeploymentConfig

| Name | Description | Schema |
|--------------------------------------|---|----------------------|
| apiVersion <i>required</i> | Versioned schema of the AddOnDeploymentConfig. | string |
| kind <i>required</i> | String value that represents the REST resource. | string |
| metadata <i>required</i> | Metadata of the AddOnDeploymentConfig. | object |
| spec <i>required</i> | Specification of the AddOnDeploymentConfig. | spec |

spec

| Name | Description | Schema |
|---|--|--|
| customizedVariables <i>optional</i> | A list of name-value variables for the current add-on deployment. The add-on implementation can use these variables to render its add-on deployment. | customizedVariable array |
| nodePlacement <i>required</i> | Enables explicit control over the scheduling of the add-on agents on the managed cluster. | nodePlacement |

customizedVariable

| Name | Description | Schema |
|---------------------------------|-------------------------|--------|
| name <i>required</i> | Name of this variable. | string |
| value <i>optional</i> | Value of this variable. | string |

nodePlacement

| Name | Description | Schema |
|--|---|---------------------|
| nodeSelector <i>optional</i> | Define which nodes the pods are scheduled to run on. When the nodeSelector is empty, the nodeSelector selects all nodes. | map[string]string |
| tolerations <i>optional</i> | Applied to pods and used to schedule pods to any taint that matches the <key,value,effect> toleration using the matching operator (<operator>). | []corev1.Toleration |

1.19. CLUSTERMANAGEMENTADDON API (V1ALPHA1)

1.19.1. Overview

This documentation is for the ClusterManagementAddOn resource for Red Hat Advanced Cluster Management for Kubernetes. The ClusterManagementAddOn resource has four possible requests: create, query, delete, and update.

ClusterManagementAddOn represents the registration of an add-on to the cluster manager. This

resource allows the user to discover which add-on is available for the cluster manager and also provides metadata information about the add-on. This resource also provides a reference to `ManagedClusterAddOn`, the name of the `ClusterManagementAddOn` resource that is used for the namespace-scoped `ManagedClusterAddOn` resource. `ClusterManagementAddOn` is a cluster-scoped resource.

1.19.1.1. Version information

Version : 2.10.0

1.19.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.19.1.3. Tags

- `addon.open-cluster-management.io` : Create and manage `ClusterManagementAddOns`

1.19.2. Paths

1.19.2.1. Query all `ClusterManagementAddOns`

GET /addon.open-cluster-management.io/v1alpha1/clustermanagementaddons

1.19.2.1.1. Description

Query your `ClusterManagementAddOns` for more details.

1.19.2.1.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |

1.19.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |

| HTTP Code | Description | Schema |
|-----------|---------------------|------------|
| 503 | Service unavailable | No Content |

1.19.2.1.4. Consumes

- `clustermanagementaddon/yaml`

1.19.2.1.5. Tags

- `addon.open-cluster-management.io`

1.19.2.2. Create a ClusterManagementAddOn

POST `/addon.open-cluster-management.io/v1alpha1/clustermanagementaddons`

1.19.2.2.1. Description

Create a ClusterManagementAddOn.

1.19.2.2.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|--|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Body | body <i>required</i> | Parameters describing the ClusterManagementAddon binding to be created. | ClusterManagementAddOn |

1.19.2.2.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.19.2.2.4. Consumes

- **clustermanagementaddon/yaml**

1.19.2.2.5. Tags

- `addon.open-cluster-management.io`

1.19.2.2.6. Example HTTP request

1.19.2.2.6.1. Request body

```
{
  "apiVersion": "addon.open-cluster-management.io/v1alpha1",
  "kind": "ClusterManagementAddOn",
  "metadata": {
    "name": "helloworld"
  },
  "spec": {
    "supportedConfigs": [
      {
        "defaultConfig": {
          "name": "deploy-config",
          "namespace": "open-cluster-management-hub"
        },
        "group": "addon.open-cluster-management.io",
        "resource": "addondeploymentconfigs"
      }
    ]
  },
  "status": {}
}
```

1.19.2.3. Query a single ClusterManagementAddOn

```
GET /addon.open-cluster-management.io/v1alpha1/clustermanagementaddons/{clustermanagementaddon_name}
```

1.19.2.3.1. Description

Query a single ClusterManagementAddOn for more details.

1.19.2.3.2. Parameters

| Type | Name | Description | Schema |
|--------|---|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | clustermanagementaddon_name <i>required</i> | Name of the ClusterManagementAddOn that you want to query. | string |

1.19.2.3.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.19.2.3.4. Tags

- `addon.open-cluster-management.io`

1.19.2.4. Delete a ClusterManagementAddOn

DELETE `/addon.open-cluster-management.io/v1alpha1/clustermanagementaddons/{clustermanagementaddon_name}`

1.19.2.4.1. Description

Delete a single ClusterManagementAddOn.

1.19.2.4.2. Parameters

| Type | Name | Description | Schema |
|--------|---|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | clustermanagementaddon_name <i>required</i> | Name of the ClusterManagementAddOn that you want to delete. | string |

1.19.2.4.3. Responses

| HTTP Code | Description | Schema |
|-----------|-------------|------------|
| 200 | Success | No Content |

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.19.2.4.4. Tags

- `addon.open-cluster-management.io`

1.19.3. Definitions

1.19.3.1. ClusterManagementAddOn

| Name | Description | Schema |
|--------------------------------------|---|----------------------|
| apiVersion <i>required</i> | Versioned schema of the ClusterManagementAddOn. | string |
| kind <i>required</i> | String value that represents the REST resource. | string |
| metadata <i>required</i> | Metadata of the ClusterManagementAddOn. | object |
| spec <i>required</i> | Specification of the ClusterManagementAddOn. | spec |

spec

| Name | Description | Schema |
|--|--|----------------------------------|
| addOnMeta <i>optional</i> | AddOnMeta is a reference to the metadata information for the add-on. | addOnMeta |
| supportedConfigs <i>optional</i> | SupportedConfigs is a list of configuration types supported by add-on. | configMeta array |

addOnMeta

| Name | Description | Schema |
|---------------------------------------|--|--------|
| displayName <i>optional</i> | Represents the name of add-on that is displayed. | string |
| description <i>optional</i> | Represents the detailed description of the add-on. | string |

configMeta

| Name | Description | Schema |
|---|---|--------------------------------|
| group <i>optional</i> | Group of the add-on configuration. | string |
| resource <i>required</i> | Resource of the add-on configuration. | string |
| defaultConfig <i>required</i> | Represents the namespace and name of the default add-on configuration. This is where all add-ons have a same configuration. | configReferent |

configReferent

| Name | Description | Schema |
|-------------------------------------|--|--------|
| namespace <i>optional</i> | Namespace of the add-on configuration. If this field is not set, the configuration is cluster-scope. | string |
| name <i>required</i> | Name of the add-on configuration. | string |

1.20. MANAGEDCLUSTERADDON API (V1ALPHA1)

1.20.1. Overview

This documentation is for the ManagedClusterAddOn resource for Red Hat Advanced Cluster Management for Kubernetes. The ManagedClusterAddOn resource has four possible requests: create, query, delete, and update. ManagedClusterAddOn is the custom resource object which holds the current state of an add-on. This resource should be created in the ManagedCluster namespace.

1.20.1.1. Version information

Version : 2.10.0

1.20.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.20.1.3. Tags

- `addon.open-cluster-management.io` : Create and manage `ManagedClusterAddOns`

1.20.2. Paths

1.20.2.1. Query all `ManagedClusterAddOns`

```
GET /addon.open-cluster-management.io/v1alpha1/namespaces/{namespace}/managedclusteraddons
```

1.20.2.1.1. Description

Query your `ManagedClusterAddOns` for more details.

1.20.2.1.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |

1.20.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.20.2.1.4. Consumes

- `managedclusteraddon/yaml`

1.20.2.1.5. Tags

- `addon.open-cluster-management.io`

1.20.2.2. Create a ManagedClusterAddOn

POST `/addon.open-cluster-management.io/v1alpha1/namespaces/{namespace}/managedclusteraddons`

1.20.2.2.1. Description

Create a ManagedClusterAddOn.

1.20.2.2.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|--|-------------------------------------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Body | body <i>required</i> | Parameters that describe the ManagedClusterAddOn binding to be created. | ManagedClusterAddOn |

1.20.2.2.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.20.2.2.4. Consumes

- `managedclusteraddon/yaml`

1.20.2.2.5. Tags

- `addon.open-cluster-management.io`

1.20.2.2.6. Example HTTP request

1.20.2.2.6.1. Request body

```

{
  "apiVersion": "addon.open-cluster-management.io/v1alpha1",
  "kind": "ManagedClusterAddOn",
  "metadata": {
    "name": "helloworld",
    "namespace": "cluster1"
  },
  "spec": {
    "configs": [
      {
        "group": "addon.open-cluster-management.io",
        "name": "cluster-deploy-config",
        "namespace": "open-cluster-management-hub",
        "resource": "addondeploymentconfigs"
      }
    ],
    "installNamespace": "default"
  },
  "status": {}
}

```

1.20.2.3. Query a single ManagedClusterAddOn

GET /addon.open-cluster-management.io/v1alpha1/namespaces/{namespace}/managedclusteraddons/{managedclusteraddon_name}

1.20.2.3.1. Description

Query a single ManagedClusterAddOn for more details.

1.20.2.3.2. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | managedclusteraddon_name <i>required</i> | Name of the ManagedClusterAddOn that you want to query. | string |

1.20.2.3.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.20.2.3.4. Tags

- `addon.open-cluster-management.io`

1.20.2.4. Delete a ManagedClusterAddOn

DELETE /addon.open-cluster-management.io/v1alpha1/namespaces/{namespace}/managedclusteraddons/{managedclusteraddon_name}

1.20.2.4.1. Description

Delete a single ManagedClusterAddOn.

1.20.2.4.2. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | managedclusteraddon_name <i>required</i> | Name of the ManagedClusterAddOn that you want to delete. | string |

1.20.2.4.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |

| HTTP Code | Description | Schema |
|-----------|---------------------|------------|
| 503 | Service unavailable | No Content |

1.20.2.4.4. Tags

- `addon.open-cluster-management.io`

1.20.3. Definitions

1.20.3.1. ManagedClusterAddOn

| Name | Description | Schema |
|--------------------------------------|---|----------------------|
| apiVersion <i>required</i> | Versioned schema of the ManagedClusterAddOn. | string |
| kind <i>required</i> | String value that represents the REST resource. | string |
| metadata <i>required</i> | Metadata of the ManagedClusterAddOn. | object |
| spec <i>required</i> | Specification of the ManagedClusterAddOn. | spec |

spec

| Name | Description | Schema |
|--|---|-----------------------------------|
| installNamespace <i>optional</i> | The namespace on the managed cluster to install the add-on agent. If it is not set, the <code>open-cluster-management-agent-addon</code> namespace is used to install the add-on agent. | string |
| configs <i>optional</i> | A list of add-on configurations where the current add-on has its own configurations. | addOnConfig array |

addOnConfig

| Name | Description | Schema |
|-------------------------------------|--|--------|
| group <i>optional</i> | Group of the add-on configuration. | string |
| resource <i>required</i> | Resource of the add-on configuration. | string |
| namespace <i>optional</i> | Namespace of the add-on configuration. If this field is not set, the configuration is cluster-scope. | string |
| name <i>required</i> | Name of the add-on configuration. | string |

1.21. MANAGEDCLUSTERSET API (V1BETA2)

1.21.1. Overview

This documentation is for the ManagedClusterSet resource for Red Hat Advanced Cluster Management for Kubernetes. The ManagedClusterSet resource has four possible requests: create, query, delete, and update. ManagedClusterSet groups two or more managed clusters into a set that you can operate together. Managed clusters that belong to a set can have similar attributes, such as shared use purposes or the same deployment region.

1.21.1.1. Version information

Version : 2.10.0

1.21.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.21.1.3. Tags

- cluster.open-cluster-management.io : Create and manage ManagedClusterSets

1.21.2. Paths

1.21.2.1. Query all managedclustersets

```
GET /cluster.open-cluster-management.io/v1beta2/namespaces/{namespace}/managedclustersets
```

1.21.2.1.1. Description

Query your managedclustersets for more details.

1.21.2.1.2. Parameters

| Type | Name | Description | Schema |
|--------|-------------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default. | string |

1.21.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.21.2.1.4. Consumes

- **managedclusterset/yaml**

1.21.2.1.5. Tags

- cluster.open-cluster-management.io

1.21.2.2. Create a managedclusterset

POST /cluster.open-cluster-management.io/v1beta2/namespaces/{namespace}/managedclustersets

1.21.2.2.1. Description

Create a managedclusterset.

1.21.2.2.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |

| Type | Name | Description | Schema |
|------|-------------------------------------|---|-----------------------------------|
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default . | string |
| Body | body <i>required</i> | Parameters describing the managedclusterset to be created. | Managedclusterset |

1.21.2.2.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.21.2.2.4. Consumes

- **managedclusterset/yaml**

1.21.2.2.5. Tags

- cluster.open-cluster-management.io

1.21.2.2.6. Example HTTP request

1.21.2.2.6.1. Request body

```
{
  "apiVersion" : "cluster.open-cluster-management.io/v1beta2",
  "kind" : "ManagedClusterSet",
  "metadata" : {
    "name" : "example-clusterset",
  },
  "spec": {
  },
  "status" : { }
}
```

1.21.2.3. Query a single managedclusterset

GET /cluster.open-cluster-management.io/v1beta2/namespaces/{namespace}/managedclustersets/{managedclusterset_name}

1.21.2.3.1. Description

Query a single managedclusterset for more details.

1.21.2.3.2. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default . | string |
| Path | managedclusterset_name <i>required</i> | Name of the managedclusterset that you want to query. | string |

1.21.2.3.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.21.2.3.4. Tags

- cluster.open-cluster-management.io

1.21.2.4. Delete a managedclusterset

DELETE /cluster.open-cluster-management.io/v1beta2/managedclustersets/{managedclusterset_name}

1.21.2.4.1. Description

Delete a single managedclusterset.

1.21.2.4.2. Parameters

| Type | Name | Description | Schema |
|--------|--|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | namespace <i>required</i> | Namespace that you want to use, for example, default . | string |
| Path | managedclusterset_name <i>required</i> | Name of the managedclusterset that you want to delete. | string |

1.21.2.4.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.21.2.4.4. Tags

- cluster.open-cluster-management.io

1.21.3. Definitions

1.21.3.1. ManagedClusterSet

| Name | Description | Schema |
|--------------------------------------|---|--------|
| apiVersion <i>required</i> | Versioned schema of the ManagedClusterSet . | string |
| kind <i>required</i> | String value that represents the REST resource. | string |
| metadata <i>required</i> | Metadata of the ManagedClusterSet . | object |

| Name | Description | Schema |
|---------------------------|---|--------|
| <code>specrequired</code> | Specification of the ManagedClusterSet . | spec |

1.22. KLUSTERLETCONFIG API (V1ALPHA1)

1.22.1. Overview

This documentation is for the `KlusterletConfig` resource for Red Hat Advanced Cluster Management for Kubernetes. The `KlusterletConfig` resource has four possible requests: create, query, delete, and update. `KlusterletConfig` contains configuration information about a `klusterlet`, such as **nodeSelector**, **tolerations**, and **pullSecret**. `KlusterletConfig` is a cluster-scoped resource and only works on `klusterlet` pods in the **open-cluster-management-agent** namespace. `KlusterletConfig` does not affect add-on deployment configurations.

1.22.1.1. Version information

Version : 2.10.0

1.22.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.22.1.3. Tags

- `config.open-cluster-management.io` : Create and manage `KlusterletConfig`

1.22.2. Paths

1.22.2.1. Query all `KlusterletConfig`

GET /config.open-cluster-management.io/v1alpha1/namespaces/{namespace}/klusterletconfigs

1.22.2.1.1. Description

Query your `KlusterletConfigs` for more details.

1.22.2.1.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |

1.22.2.1.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.22.2.1.4. Consumes

- **klusterletconfig/yaml**

1.22.2.1.5. Tags

- `config.open-cluster-management.io`

1.22.2.2. Create a KlusterletConfig

POST `/config.open-cluster-management.io/v1alpha1/namespaces/{namespace}/klusterletconfigs`

1.22.2.2.1. Description

Create a KlusterletConfig.

1.22.2.2.2. Parameters

| Type | Name | Description | Schema |
|--------|----------------------------------|---|----------------------------------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Body | body <i>required</i> | Parameters describing the KlusterletConfig binding to be created. | KlusterletConfig |

1.22.2.2.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.22.2.2.4. Consumes

- **klusterletconfig/yaml**

1.22.2.2.5. Tags

- `config.open-cluster-management.io`

1.22.2.2.6. Example HTTP request

1.22.2.2.6.1. Request body

```
{
  "apiVersion": "apiextensions.k8s.io/v1",
  "kind": "CustomResourceDefinition",
  "metadata": {
    "annotations": {
      "controller-gen.kubebuilder.io/version": "v0.7.0"
    },
    "creationTimestamp": null,
    "name": "klusterletconfigs.config.open-cluster-management.io"
  },
  "spec": {
    "group": "config.open-cluster-management.io",
    "names": {
      "kind": "KlusterletConfig",
      "listKind": "KlusterletConfigList",
      "plural": "klusterletconfigs",
      "singular": "klusterletconfig"
    },
    "preserveUnknownFields": false,
    "scope": "Cluster",
    "versions": [
      {
        "name": "v1alpha1",
        "schema": {
          "openAPIV3Schema": {
            "description": "KlusterletConfig contains the configuration of a klusterlet including the upgrade strategy, config overrides, proxy configurations etc.",
            "properties": {
              "apiVersion": {
                "description": "APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized"

```

values. More info: <https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources>,

```
"type": "string"
```

```
},
```

```
"kind": {
```

```
"description": "Kind is a string value representing the REST resource this object represents.
```

Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In

CamelCase. More info: <https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds>,

```
conventions.md#types-kinds",
```

```
"type": "string"
```

```
},
```

```
"metadata": {
```

```
"type": "object"
```

```
},
```

```
"spec": {
```

```
"description": "Spec defines the desired state of KlusterletConfig",
```

```
"properties": {
```

```
"hubKubeAPIServerProxyConfig": {
```

```
"description": "HubKubeAPIServerProxyConfig holds proxy settings for connections
```

between klusterlet/add-on agents on the managed cluster and the kube-apiserver on the hub cluster.

Empty means no proxy settings is available.",

```
"properties": {
```

```
"caBundle": {
```

```
"description": "CABundle is a CA certificate bundle to verify the proxy server. It will be
ignored if only HTTPProxy is set; And it is required when HTTPSProxy is set and self signed CA
certificate is used by the proxy server.",
```

```
"format": "byte",
```

```
"type": "string"
```

```
},
```

```
"httpProxy": {
```

```
"description": "HTTPProxy is the URL of the proxy for HTTP requests",
```

```
"type": "string"
```

```
},
```

```
"httpsProxy": {
```

```
"description": "HTTPSProxy is the URL of the proxy for HTTPS requests HTTPSProxy
will be chosen if both HTTPProxy and HTTPSProxy are set.",
```

```
"type": "string"
```

```
}
```

```
},
```

```
"type": "object"
```

```
},
```

```
"nodePlacement": {
```

```
"description": "NodePlacement enables explicit control over the scheduling of the agent
components. If the placement is nil, the placement is not specified, it will be omitted. If the placement
is an empty object, the placement will match all nodes and tolerate nothing.",
```

```
"properties": {
```

```
"nodeSelector": {
```

```
"additionalProperties": {
```

```
"type": "string"
```

```
},
```

```
"description": "NodeSelector defines which Nodes the Pods are scheduled on. The
default is an empty list.",
```

```
"type": "object"
```

```
},
```

```
"tolerations": {
```

```
"description": "Tolerations is attached by pods to tolerate any taint that matches the
```

triple <key,value,effect> using the matching operator <operator>. The default is an empty list.",

```

    "items": {
      "description": "The pod this Toleration is attached to tolerates any taint that matches
the triple <key,value,effect> using the matching operator <operator>.",
      "properties": {
        "effect": {
          "description": "Effect indicates the taint effect to match. Empty means match all
taint effects. When specified, allowed values are NoSchedule, PreferNoSchedule and NoExecute.",
          "type": "string"
        },
        "key": {
          "description": "Key is the taint key that the toleration applies to. Empty means
match all taint keys. If the key is empty, operator must be Exists; this combination means to match all
values and all keys.",
          "type": "string"
        },
        "operator": {
          "description": "Operator represents a key's relationship to the value. Valid operators
are Exists and Equal. Defaults to Equal. Exists is equivalent to wildcard for value, so that a pod can
tolerate all taints of a particular category.",
          "type": "string"
        },
        "tolerationSeconds": {
          "description": "TolerationSeconds represents the period of time the toleration
(which must be of effect NoExecute, otherwise this field is ignored) tolerates the taint. By default, it is
not set, which means tolerate the taint forever (do not evict). Zero and negative values will be treated
as 0 (evict immediately) by the system.",
          "format": "int64",
          "type": "integer"
        },
        "value": {
          "description": "Value is the taint value the toleration matches to. If the operator is
Exists, the value should be empty, otherwise just a regular string.",
          "type": "string"
        }
      },
      "type": "object"
    },
    "type": "array"
  }
},
"type": "object"
},
"pullSecret": {
  "description": "PullSecret is the name of image pull secret.",
  "properties": {
    "apiVersion": {
      "description": "API version of the referent.",
      "type": "string"
    },
    "fieldPath": {
      "description": "If referring to a piece of an object instead of an entire object, this string
should contain a valid JSON/Go field access statement, such as desiredState.manifest.containers[2].
For example, if the object reference is to a container within a pod, this would take on a value like:
\"spec.containers{name}\" (where \"name\" refers to the name of the container that triggered the
event) or if no container name is specified \"spec.containers[2]\" (container with index 2 in this pod).

```


This syntax is chosen only to have some well-defined way of referencing a part of an object. TODO: this design is not final and this field is subject to change in the future.",

```

    "type": "string"
  },
  "kind": {
    "description": "Kind of the referent. More info:
https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds",
    "type": "string"
  },
  "name": {
    "description": "Name of the referent. More info:
https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names",
    "type": "string"
  },
  "namespace": {
    "description": "Namespace of the referent. More info:
https://kubernetes.io/docs/concepts/overview/working-with-objects/namespaces/",
    "type": "string"
  },
  "resourceVersion": {
    "description": "Specific resourceVersion to which this reference is made, if any. More info:
https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#concurrency-control-and-consistency",
    "type": "string"
  },
  "uid": {
    "description": "UID of the referent. More info:
https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#uids",
    "type": "string"
  }
},
"type": "object"
},
"registries": {
  "description": "Registries includes the mirror and source registries. The source registry will be replaced by the Mirror.",
  "items": {
    "properties": {
      "mirror": {
        "description": "Mirror is the mirrored registry of the Source. Will be ignored if Mirror is empty.",
        "type": "string"
      },
      "source": {
        "description": "Source is the source registry. All image registries will be replaced by Mirror if Source is empty.",
        "type": "string"
      }
    }
  },
  "required": [
    "mirror"
  ],
  "type": "object"
},
"type": "array"
}

```

```

    },
    "type": "object"
  },
  "status": {
    "description": "Status defines the observed state of KlusterletConfig",
    "type": "object"
  }
},
"type": "object"
}
},
"served": true,
"storage": true,
"subresources": {
  "status": {}
}
}
]
},
"status": {
  "acceptedNames": {
    "kind": "",
    "plural": ""
  },
  "conditions": [],
  "storedVersions": []
}
}
}

```

1.22.2.3. Query a single KlusterletConfig

GET /config.open-cluster-management.io/v1alpha1/namespaces/{namespace}/klusterletconfigs/{klusterletconfig_name}

1.22.2.3.1. Description

Query a single KlusterletConfig for more details.

1.22.2.3.2. Parameters

| Type | Name | Description | Schema |
|--------|---|---|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | klusterletconfig_name <i>required</i> | Name of the KlusterletConfig that you want to query. | string |

1.22.2.3.3. Responses

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.22.2.3.4. Tags

- config.open-cluster-management.io

1.22.2.4. Delete a KlusterletConfig

DELETE /addon.open-cluster-management.io/v1alpha1/namespaces/{namespace}/klusterletconfigs/{klusterletconfig_name}

1.22.2.4.1. Description

Delete a single klusterletconfig.

1.22.2.4.2. Parameters

| Type | Name | Description | Schema |
|--------|---|--|--------|
| Header | COOKIE <i>required</i> | Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token. | string |
| Path | klusterletconfig_name <i>required</i> | Name of the KlusterletConfig that you want to delete. | string |

1.22.2.4.3. Responses

| HTTP Code | Description | Schema |
|-----------|--------------------|------------|
| 200 | Success | No Content |
| 403 | Access forbidden | No Content |
| 404 | Resource not found | No Content |

| HTTP Code | Description | Schema |
|-----------|------------------------|------------|
| 500 | Internal service error | No Content |
| 503 | Service unavailable | No Content |

1.22.2.4.4. Tags

- config.open-cluster-management.io

1.22.3. Definitions

1.22.3.1. KlusterletConfig

| Name | Description | Schema |
|--------------------------------------|---|----------------------|
| apiVersion <i>required</i> | Versioned schema of the KlusterletConfig. | string |
| kind <i>required</i> | String value that represents the REST resource. | string |
| metadata <i>required</i> | Metadata of the KlusterletConfig. | object |
| spec <i>required</i> | Specification of the KlusterletConfig. | spec |

spec

| Name | Description | Schema |
|---|---|-------------------------------|
| registries <i>optional</i> | Includes the mirror and source registries. The source registry is replaced by the mirror. | registry |
| pullSecret <i>optional</i> | The name of image pull secret. | object |
| nodePlacement <i>required</i> | Enables scheduling control of add-on agents on the managed cluster. | nodePlacement |

| Name | Description | Schema |
|---|--|--|
| hubKubeAPIServerProxyConfig <i>required</i> | Contains proxy settings for the connections between the klusterlet or add-on agents on the managed cluster and the kube-apiserver on the hub cluster. Empty means no proxy setting is available. | kubeAPIServerProxyConfig |

nodePlacement

| Name | Description | Schema |
|--|---|---------------------|
| nodeSelector <i>optional</i> | Define which nodes the pods are scheduled to run on. When the nodeSelector is empty, the nodeSelector selects all nodes. | map[string]string |
| tolerations <i>optional</i> | Applied to pods and used to schedule pods to any taint that matches the <key,value,effect> toleration using the matching operator (<operator>). | []corev1.Toleration |

kubeAPIServerProxyConfig

| Name | Description | Schema |
|--------------------------------------|---|-------------------|
| caBundle <i>optional</i> | A CA certificate bundle to verify the proxy server. The bundle is ignored if only HTTPProxy is set. The bundle is required when HTTPSProxy is set and a self signed CA certificate is used by the proxy server. | map[string]string |
| httpProxy <i>optional</i> | The URL of the proxy for HTTP requests | map[string]string |
| httpsProxy <i>optional</i> | The URL of the proxy for HTTPS requests. HTTPSProxy is chosen if both HTTPProxy and HTTPSProxy are set. | map[string]string |

1.23. POLICY COMPLIANCE HISTORY (TECHNOLOGY PREVIEW)

1.23.1. Overview

The policy compliance history API is an optional technical preview feature if you want long-term storage of Red Hat Advanced Cluster Management for Kubernetes policy compliance events in a queryable format. You can use the API to get additional details such as the **spec** field to audit and troubleshoot your policy, and get compliance events when a policy is disabled or removed from a cluster. The policy compliance history API can also generate a comma-separated values (CSV) spreadsheet of policy compliance events to help you with auditing and troubleshooting.

1.23.1.1. Version information

Version: 2.10.0

1.23.2. API Endpoints

1.23.2.1. Listing policy compliance events

`/api/v1/compliance-events`

This lists all policy compliance events that you have access to by default. The response format is as follows and is sorted by **event.timestamp** in descending order by default:

```
{
  "data": [
    {
      "id": 2,
      "cluster": {
        "name": "cluster1",
        "cluster_id": "215ce184-8dee-4cab-b99b-1f8f29dff611"
      },
      "parent_policy": {
        "id": 3,
        "name": "configure-custom-app",
        "namespace": "policies",
        "categories": ["CM Configuration Management"],
        "controls": ["CM-2 Baseline Configuration"],
        "standards": ["NIST SP 800-53"]
      },
      "policy": {
        "apiGroup": "policy.open-cluster-management.io",
        "id": 2,
        "kind": "ConfigurationPolicy",
        "name": "configure-custom-app",
        "namespace": "",
        // Only shown with `?include_spec`
        "spec": {}
      },
      "event": {
        "compliance": "NonCompliant",
        "message": "configmaps [app-data] not found in namespace default",
        "timestamp": "2023-07-19T18:25:43.511Z",
        "metadata": {}
      }
    }
  ],
  {}
}
```

```

    "id": 1,
    "cluster": {
      "name": "cluster2",
      "cluster_id": "415ce234-8dee-4cab-b99b-1f8f29dff461"
    },
    "parent_policy": {
      "id": 3,
      "name": "configure-custom-app",
      "namespace": "policies",
      "categories": ["CM Configuration Management"],
      "controls": ["CM-2 Baseline Configuration"],
      "standards": ["NIST SP 800-53"]
    },
    "policy": {
      "apiGroup": "policy.open-cluster-management.io",
      "id": 4,
      "kind": "ConfigurationPolicy",
      "name": "configure-custom-app",
      "namespace": "",
      // Only shown with `?include_spec`
      "spec": {}
    },
    "event": {
      "compliance": "Compliant",
      "message": "configmaps [app-data] found as specified in namespace default",
      "timestamp": "2023-07-19T18:25:41.523Z",
      "metadata": {}
    }
  }
},
"metadata": {
  "page": 1,
  "pages": 7,
  "per_page": 20,
  "total": 123
}
}

```

The following optional query parameters are accepted. Notice that those without descriptions just filter on the field it references. The parameter value **null** represents no value. Additionally, multiple values can be specified with commas. For example, **?cluster.name=cluster1,cluster2** for "or" filtering. Commas can be escaped with `\`, if necessary.

Table 1.1. Table of query parameters

| Query argument | Description |
|--------------------|---|
| cluster.cluster_id | |
| cluster.name | |
| direction | The direction to sort by. This defaults to desc , which represents descending order. The supported values are asc and desc . |

| Query argument | Description |
|--------------------------|---|
| event.compliance | |
| event.message_includes | A filter for compliance messages that include the input string. Only a single value is supported. |
| event.message_like | A SQL LIKE filter for compliance messages. The percent sign (%) represents a wildcard of zero or more characters. The underscore sign (_) represents a wildcard of a single character. For example %configmaps [%my-configmap%] matches any configuration policy compliance message that refers to the config map my-configmap . |
| event.reported_by | |
| event.timestamp | |
| event.timestamp_after | An RFC 3339 timestamp to indicate only compliance events after this time should be shown. For example, 2024-02-28T16:32:57Z . |
| event.timestamp_before | An RFC 3339 timestamp to indicate only compliance events before this time should be shown. For example, 2024-02-28T16:32:57Z . |
| id | |
| include_spec | A flag to include the spec field of the policy in the return value. This is not set by default. |
| page | The page number in the query. This defaults to 1 . |
| parent_policy.categories | |
| parent_policy.controls | |
| parent_policy.id | |
| parent_policy.name | |
| parent_policy.namespace | |
| parent_policy.standards | |
| per_page | The number of compliance events returned per page. This defaults to 20 and cannot be larger than 100 . |

| Query argument | Description |
|------------------|---|
| policy.apiGroup | |
| policy.id | |
| policy.kind | |
| policy.name | |
| policy.namespace | |
| policy.severity | |
| sort | The field to sort by. This defaults to event.timestamp . All fields except policy.spec and event.metadata are sortable by using dot notation. To specify multiple sort options, use commas such as ?sort=policy.name,policy.namespace . |

1.23.2.2. Selecting a single policy compliance event

/api/v1/compliance-events/<id>

You can select a single policy compliance event by specifying its database ID. For example, **/api/v1/compliance-events/1** selects the compliance event with the ID of 1. The format of the return value is the following JSON:

```
{
  "id": 1,
  "cluster": {
    "name": "cluster2",
    "cluster_id": "415ce234-8dee-4cab-b99b-1f8f29dff461"
  },
  "parent_policy": {
    "id": 2,
    "name": "etcd-encryption",
    "namespace": "policies",
    "categories": ["CM Configuration Management"],
    "controls": ["CM-2 Baseline Configuration"],
    "standards": ["NIST SP 800-53"]
  },
  "policy": {
    "apiGroup": "policy.open-cluster-management.io",
    "id": 4,
    "kind": "ConfigurationPolicy",
    "name": "etcd-encryption",
    "namespace": "",
    "spec": {}
  },
  "event": {
```

```

"compliance": "Compliant",
"message": "configmaps [app-data] found as specified in namespace default",
"timestamp": "2023-07-19T18:25:41.523Z",
"metadata": {}
}
}

```

1.23.2.3. Generating a spreadsheet

`/api/v1/reports/compliance-events`

You can generate a comma separated value (CSV) spreadsheet of compliance events for auditing and troubleshooting. It outputs the same and accepts the same query arguments as the `/api/v1/compliance-events` API endpoint. By default there is no **per_page** limitation set and there is no maximum for the **per_page** query argument. All the CSV headers are the same as the `/api/v1/compliance-events` API endpoint with underscores separating JSON objects. For example, the event timestamp has a header of **event_timestamp**.

1.23.3. Authentication and Authorization

The policy compliance history API utilizes the OpenShift instance used by the Red Hat Advanced Cluster Management hub cluster for authentication and authorization. You must provide your OpenShift token in the **Authorization** header of the HTTPS request.

To find your token, run the following command:

```
oc whoami --show-token
```

1.23.3.1. Viewing compliance events

To view the compliance events for a managed cluster, you need access to complete the **get verb** for the **ManagedCluster** object on the Red Hat Advanced Cluster Management hub cluster. For example, to view the compliance events of the **local-cluster** cluster, you might use the **open-cluster-management:view:local-cluster ClusterRole** or create your own resource as the following example:

```

apiVersion: rbac.authorization.k8s.io/v1
kind: ClusterRole
metadata:
  name: local-cluster-view
rules:
- apiGroups:
  - cluster.open-cluster-management.io
resources:
  - managedclusters
resourceNames:
  - local-cluster
verbs:
  - get

```

To verify your access to a particular managed cluster, use the **oc auth can-i** command. For example, to check if you have access to the **local-cluster** managed cluster, run the following command:

```
oc auth can-i get managedclusters.cluster.open-cluster-management.io/local-cluster
```

1.23.3.2. Recording a compliance event

Users or service accounts with **patch verb** access in the **policies.policy.open-cluster-management.io/status** resource in the corresponding managed cluster namespace have access to record policy compliance events. The **governance-policy-framework** pod on managed clusters utilizes the **open-cluster-management-compliance-history-api-recorder** service account in the corresponding managed cluster namespace on the Red Hat Advanced Cluster Management hub cluster to record compliance events. Each service account has the **open-cluster-management:compliance-history-api-recorder ClusterRole** bound to the managed cluster namespace. Restrict user and service account **patch** verb access to the policy **status** to ensure the trustworthiness of the data stored in the policy compliance history API.