



Red Hat Advanced Cluster Management for Kubernetes 2.2

APIs

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

Red Hat Advanced Cluster Management for Kubernetes 2.2 APIs

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概要

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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第1章 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.

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

- [Clusters API](#)
- [ClusterSets API \(v1alpha1\)](#)
- [ClusterSetBindings API \(v1alpha1\)](#)
- [Channels API](#)
- [Subscriptions API](#)
- [PlacementRules API](#)
- [Applications API](#)
- [Helm API](#)
- [Policy API](#)
- [Observability API](#)
- [Search customization API](#)
- [MultiClusterHub API](#)

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.

1.1.1.1. Version information

Version : 2.2.0

1.1.1.2. Contact information

Contact Email : apiteam@swagger.io

1.1.1.3. License information

License : Apache 2.0

License URL : <http://www.apache.org/licenses/LICENSE-2.0.html>

Terms of service : <http://swagger.io/terms/>

1.1.1.4. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.1.1.5. Tags

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

1.1.1.6. External Docs

Description : Find out more about Swagger.

URL : <http://swagger.io>

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 required	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
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 required	Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token.	string
Body	body required	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
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 required	Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token.	string
Path	cluster_name required	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

HTTP Code	Description	Schema
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}

1.1.2.4.1. Description

Delete a single cluster

1.1.2.4.2. Parameters

Type	Name	Description	Schema
Header	COOKIE required	Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token.	string
Path	cluster_name required	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	Schema
apiVersion required	string
kind required	string
metadata required	object
spec required	spec

spec

Name	Schema
hubAcceptsClient required	bool
managedClusterClientConfigs optional	< managedClusterClientConfigs > array
leaseDurationSeconds optional	integer (int32)

managedClusterClientConfigs

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

1.2. CLUSTERSETS API (V1ALPHA1)

1.2.1. Overview

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

1.2.1.1. Version information

Version : 2.2.0

1.2.1.2. Contact information

Contact Email : apiteam@swagger.io

1.2.1.3. License information

License : Apache 2.0

License URL : <http://www.apache.org/licenses/LICENSE-2.0.html>

Terms of service : <http://swagger.io/terms/>

1.2.1.4. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.2.1.5. Tags

- `cluster.open-cluster-management.io` : Create and manage Clustersets

1.2.1.6. External Docs

Description : Find out more about Swagger.

URL : <http://swagger.io>

1.2.2. Paths

1.2.2.1. Query all clustersets

GET /cluster.open-cluster-management.io/v1alpha1/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 required	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/v1alpha1/managedclustersets

1.2.2.2.1. Description

Create a Clusterset.

1.2.2.2.2. Parameters

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

1.2.2.2.3. 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

1.2.2.2.4. 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/v1alpha1",
  "kind": "ManagedClusterSet",
  "metadata": {
    "name": "clusterset1"
  },
  "spec": {},
  "status": {}
}
```

1.2.2.3. Query a single clusterset

```
GET /cluster.open-cluster-management.io/v1alpha1/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 required	Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token.	string

Type	Name	Description	Schema
Path	clusterset_name required	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/v1alpha1/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 required	Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token.	string
Path	clusterset_name required	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
<code>apiVersion</code> required	string
<code>kind</code> required	string
<code>metadata</code> required	object

1.3. CLUSTERSETBINDINGS API (V1ALPHA1)

1.3.1. Overview

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

1.3.1.1. Version information

Version : 2.2.0

1.3.1.2. Contact information

Contact Email : apiteam@swagger.io

1.3.1.3. License information

License : Apache 2.0

License URL : <http://www.apache.org/licenses/LICENSE-2.0.html>

Terms of service : <http://swagger.io/terms/>

1.3.1.4. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.3.1.5. Tags

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

1.3.1.6. External Docs

Description : Find out more about Swagger.

URL : <http://swagger.io>

1.3.2. Paths

1.3.2.1. Query all clustersetbindings

GET /cluster.open-cluster-management.io/v1alpha1/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 required	Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token.	string
Path	namespace required	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

HTTP Code	Description	Schema
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/v1alpha1/namespaces/{namespace}/managedclustersetbindings

1.3.2.2.1. Description

Create a clustersetbinding.

1.3.2.2.2. Parameters

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

HTTP Code	Description	Schema
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/v1alpha1",
  "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/v1alpha1/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 required	Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token.	string
Path	namespace required	Namespace that you want to use, for example, default.	string
Path	clustersetbinding_name required	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
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/v1alpha1/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 required	Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token.	string

Type	Name	Description	Schema
Path	namespace required	Namespace that you want to use, for example, default.	string
Path	clustersetbinding_name required	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
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	Schema
apiVersion required	string
kind required	string
metadata required	object
spec required	spec

spec

Name	Schema
clusterSet required	string

1.4. CHANNELS API

1.4.1. 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.

1.4.1.1. Version information

Version : 2.2.0

1.4.1.2. Contact information

Contact Email : apiteam@swagger.io

1.4.1.3. License information

License : Apache 2.0

License URL : <http://www.apache.org/licenses/LICENSE-2.0.html>

Terms of service : <http://swagger.io/terms/>

1.4.1.4. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.4.1.5. Tags

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

1.4.1.6. External Docs

Description : Find out more about Swagger.

URL : <http://swagger.io>

1.4.2. Paths

1.4.2.1. Create a channel

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

1.4.2.1.1. Description

Create a channel.

1.4.2.1.2. Parameters

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

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
503	Service unavailable	No Content

1.4.2.1.4. Consumes

- **application/yaml**

1.4.2.1.5. Tags

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

1.4.2.1.6. Example HTTP request

1.4.2.1.6.1. 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"
}
}

```

1.4.2.2. Query all channels for the target namespace

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

1.4.2.2.1. Description

Query your channels for more details.

1.4.2.2.2. Parameters

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

- **application/yaml**

1.4.2.2.5. Tags

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

1.4.2.3. Query a single channels of a namespace

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

1.4.2.3.1. Description

Query a single channels for more details.

1.4.2.3.2. Parameters

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

1.4.2.3.3. 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

1.4.2.3.4. Tags

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

1.4.2.4. Delete a Channel

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

1.4.2.4.1. Parameters

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

1.4.2.4.2. 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

1.4.2.4.3. Tags

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

1.4.3. Definitions

1.4.3.1. Channel

Name	Schema
apiVersion required	string
kind required	string
metadata required	object

Name	Schema
spec required	spec

spec

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

configMapRef

Name	Description	Schema
apiVersion optional	API version of the referent.	string
fieldPath optional	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 optional	Kind of the referent. More info: https://git.k8s.io/community/contributors/devel/api-conventions.md#types-kinds	string
name optional	Name of the referent. More info: Names	string
namespace optional	Namespace of the referent. More info: https://kubernetes.io/docs/concepts/overview/working-with-objects/namespaces/	string
resourceVersion optional	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 optional	UID of the referent. More info: UIDs	string

gates

Name	Description	Schema
annotations optional	typical annotations of k8s	annotations
labelSelector optional	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 optional		string

annotations

Name	Schema
key optional	string
value optional	string

labelSelector

Name	Description	Schema
matchExpressions optional	matchExpressions is a list of label selector requirements. The requirements are ANDed.	< matchExpressions > array
matchLabels optional	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 required	key is the label key that the selector applies to.	string
operator required	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.	string
values optional	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 optional	API version of the referent.	string
fieldPath optional	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.	string
kind optional	Kind of the referent. More info: https://git.k8s.io/community/contributors/devel/api-conventions.md#types-kinds	string

Name	Description	Schema
name optional	Name of the referent. More info: Names	string
namespace optional	Namespace of the referent. More info: https://kubernetes.io/docs/concepts/overview/working-with-objects/namespaces/	string
resourceVersion optional	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 optional	UID of the referent. More info: UIDs	string

1.5. SUBSCRIPTIONS API

1.5.1. 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.

1.5.1.1. Version information

Version : 2.2.0

1.5.1.2. Contact information

Contact Email : apiteam@swagger.io

1.5.1.3. License information

License : Apache 2.0

License URL : <http://www.apache.org/licenses/LICENSE-2.0.html>

Terms of service : <http://swagger.io/terms/>

1.5.1.4. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.5.1.5. Tags

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

1.5.1.6. External Docs

Description : Find out more about Swagger.

URL : <http://swagger.io>

1.5.2. Paths

1.5.2.1. Create a subscription

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

1.5.2.1.1. Description

Create a subscription.

1.5.2.1.2. Parameters

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

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

- **subscription/yaml**

1.5.2.1.5. Tags

- subscriptions.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": "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"
      }
    }
  }
}
```

1.5.2.2. Query all subscriptions

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

1.5.2.2.1. Description

Query your subscriptions for more details.

1.5.2.2.2. Parameters

Type	Name	Description	Schema
Header	COOKIE required	Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token.	string
Path	namespace required	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

- **subscription/yaml**

1.5.2.2.5. Tags

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

1.5.2.3. Query a single subscription

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

1.5.2.3.1. Description

Query a single subscription for more details.

1.5.2.3.2. Parameters

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

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

1.5.2.4. Delete a subscription

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

1.5.2.4.1. Parameters

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

Type	Name	Description	Schema
Path	subscription_name required	Name of the subscription that you want to delete.	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

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

1.5.3. Definitions

1.5.3.1. Subscription

Name	Schema
apiVersion required	string
kind required	string
metadata required	metadata
spec required	spec
status optional	status

metadata

Name	Schema
annotations optional	object
labels optional	object
name optional	string
namespace optional	string

spec

Name	Schema
channel required	string
name optional	string
overrides optional	< overrides > array
packageFilter optional	packageFilter
packageOverrides optional	< packageOverrides > array
placement optional	placement
timewindow optional	timewindow

overrides

Name	Schema
clusterName required	string

Name	Schema
clusterOverrides required	< object > array

packageFilter

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

filterRef

Name	Schema
name optional	string

labelSelector

Name	Schema
matchExpressions optional	< matchExpressions > array
matchLabels optional	< string, string > map

matchExpressions

Name	Schema
key required	string

Name	Schema
operator required	string
values optional	< string > array

packageOverrides

Name	Schema
packageAlias optional	string
packageName required	string
packageOverrides optional	< object > array

placement

Name	Schema
clusterSelector optional	clusterSelector
clusters optional	< clusters > array
local optional	boolean
placementRef optional	placementRef

clusterSelector

Name	Schema
matchExpressions optional	< matchExpressions > array

Name	Schema
matchLabels optional	< string, string > map

matchExpressions

Name	Schema
key required	string
operator required	string
values optional	< string > array

clusters

Name	Schema
name required	string

placementRef

Name	Schema
apiVersion optional	string
fieldPath optional	string
kind optional	string
name optional	string
namespace optional	string
resourceVersion optional	string

Name	Schema
uid optional	string

timewindow

Name	Schema
daysofweek optional	< string > array
hours optional	< hours > array
location optional	string
windowtype optional	enum (active, blocked, Active, Blocked)

hours

Name	Schema
end optional	string
start optional	string

status

Name	Schema
lastUpdateTime optional	string (date-time)
message optional	string
phase optional	string
reason optional	string

Name	Schema
statuses optional	object

1.6. PLACEMENTRULES API

1.6.1. 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.

1.6.1.1. Version information

Version : 2.2.0

1.6.1.2. Contact information

Contact Email : apiteam@swagger.io

1.6.1.3. License information

License : Apache 2.0

License URL : <http://www.apache.org/licenses/LICENSE-2.0.html>

Terms of service : <http://swagger.io/terms/>

1.6.1.4. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.6.1.5. Tags

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

1.6.1.6. External Docs

Description : Find out more about Swagger.

URL : <http://swagger.io>

1.6.2. Paths

1.6.2.1. Create a placement rule

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

1.6.2.1.1. Description

Create a placement rule.

1.6.2.1.2. Parameters

Type	Name	Description	Schema
Header	COOKIE required	Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token.	string
Path	namespace required	Namespace that you want to use, for example, default.	string
Body	body required	Parameters describing the placement rule to be created.	PlacementRule

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

- **application/yaml**

1.6.2.1.5. Tags

- `placementrules.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": "PlacementRule",
  "metadata": {
    "name": "towhichcluster",
    "namespace": "ns-sub-1"
  },
  "spec": {
    "clusterConditions": [ {
```

```

    "type": "ManagedClusterConditionAvailable",
    "status": "True"
  }],
  "clusterSelector" : { }
}
}

```

1.6.2.2. Query all placement rules

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

1.6.2.2.1. Description

Query your placement rules for more details.

1.6.2.2.2. Parameters

Type	Name	Description	Schema
Header	COOKIE required	Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token.	string
Path	namespace required	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

- **application/yaml**

1.6.2.2.5. Tags

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

1.6.2.3. Query a single placementrule

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

1.6.2.3.1. Description

Query a single placement rule for more details.

1.6.2.3.2. Parameters

Type	Name	Description	Schema
Header	COOKIE required	Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token.	string
Path	namespace required	Namespace that you want to use, for example, default.	string
Path	placementrule_name required	Name of the placementrule that you want 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

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

1.6.2.4. Delete a placementrule

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

1.6.2.4.1. Parameters

Type	Name	Description	Schema
Header	COOKIE required	Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token.	string
Path	namespace required	Namespace that you want to use, for example, default.	string
Path	placementrule_name required	Name of the placementrule 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

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

1.6.3. Definitions

1.6.3.1. Placementrule

Name	Schema
apiVersion required	string
kind required	string
metadata required	object

Name	Schema
spec required	spec

spec

Name	Schema
clusterConditions optional	< clusterConditions > array
clusterReplicas optional	integer
clusterSelector optional	clusterSelector
clusters optional	< clusters > array
policies optional	< policies > array
resourceHint optional	resourceHint
schedulerName optional	string

clusterConditions

Name	Schema
status optional	string
type optional	string

clusterSelector

Name	Schema
matchExpressions optional	< matchExpressions > array

Name	Schema
matchLabels optional	< string, string > map

matchExpressions

Name	Schema
key optional	string
operator optional	string
values optional	< string > array

clusters

Name	Schema
name optional	string

policies

Name	Schema
apiVersion optional	string
fieldPath optional	string
kind optional	string
name optional	string
namespace optional	string
resourceVersion optional	string

Name	Schema
uid optional	string

resourceHint

Name	Schema
order optional	string
type optional	string

1.7. APPLICATIONS API

1.7.1. 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.

1.7.1.1. Version information

Version : 2.2.0

1.7.1.2. Contact information

Contact Email : apiteam@swagger.io

1.7.1.3. License information

License : Apache 2.0

License URL : <http://www.apache.org/licenses/LICENSE-2.0.html>

Terms of service : <http://swagger.io/terms/>

1.7.1.4. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.7.1.5. Tags

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

1.7.1.6. External Docs

Description : Find out more about Swagger.

URL : <http://swagger.io>

1.7.2. Paths

1.7.2.1. Create a application

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

1.7.2.1.1. Description

Create a application.

1.7.2.1.2. Parameters

Type	Name	Description	Schema
Header	COOKIE required	Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token.	string
Path	namespace required	Namespace that you want to use, for example, default.	string
Body	body required	Parameters describing the application to be created.	Application

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

- applications.app.k8s.io

1.7.2.1.6. Example HTTP request

1.7.2.1.6.1. 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" : { }
}
```

1.7.2.2. Query all applications

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

1.7.2.2.1. Description

Query your applications for more details.

1.7.2.2.2. Parameters

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

1.7.2.2.3. 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

1.7.2.2.4. Consumes

- **application/yaml**

1.7.2.2.5. Tags

- applications.app.k8s.io

1.7.2.3. Query a single application

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

1.7.2.3.1. Description

Query a single application for more details.

1.7.2.3.2. Parameters

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

- applications.app.k8s.io

1.7.2.4. Delete a application

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

1.7.2.4.1. Parameters

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

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

1.7.2.4.3. Tags

- applications.app.k8s.io

1.7.3. Definitions

1.7.3.1. Application

Name	Schema
apiVersion required	string
kind required	string
metadata required	object
spec required	spec

spec

Name	Schema
assemblyPhase optional	string
componentKinds optional	< object > array
descriptor optional	descriptor
info optional	< info > array
selector optional	object

descriptor

Name	Schema
description optional	string
icons optional	< icons > array
keywords optional	< string > array
links optional	< links > array
maintainers optional	< maintainers > array
notes optional	string
owners optional	< owners > array
type optional	string
version optional	string

icons

Name	Schema
size optional	string
src required	string
type optional	string

links

Name	Schema
description optional	string
url optional	string

maintainers

Name	Schema
email optional	string
name optional	string
url optional	string

owners

Name	Schema
email optional	string
name optional	string
url optional	string

info

Name	Schema
name optional	string
type optional	string
value optional	string

Name	Schema
valueFrom optional	valueFrom

valueFrom

Name	Schema
configMapKeyRef optional	configMapKeyRef
ingressRef optional	ingressRef
secretKeyRef optional	secretKeyRef
serviceRef optional	serviceRef
type optional	string

configMapKeyRef

Name	Schema
apiVersion optional	string
fieldPath optional	string
key optional	string
kind optional	string
name optional	string
namespace optional	string

Name	Schema
resourceVersion optional	string
uid optional	string

ingressRef

Name	Schema
apiVersion optional	string
fieldPath optional	string
host optional	string
kind optional	string
name optional	string
namespace optional	string
path optional	string
resourceVersion optional	string
uid optional	string

secretKeyRef

Name	Schema
apiVersion optional	string

Name	Schema
fieldPath optional	string
key optional	string
kind optional	string
name optional	string
namespace optional	string
resourceVersion optional	string
uid optional	string

serviceRef

Name	Schema
apiVersion optional	string
fieldPath optional	string
kind optional	string
name optional	string
namespace optional	string
path optional	string
port optional	integer (int32)

Name	Schema
resourceVersion optional	string
uid optional	string

1.8. HELM API

1.8.1. 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.

1.8.1.1. Version information

Version : 2.2.0

1.8.1.2. Contact information

Contact Email : apiteam@swagger.io

1.8.1.3. License information

License : Apache 2.0

License URL : <http://www.apache.org/licenses/LICENSE-2.0.html>

Terms of service : <http://swagger.io/terms/>

1.8.1.4. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.8.1.5. Tags

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

1.8.1.6. External Docs

Description : Find out more about Swagger.

URL : <http://swagger.io>

1.8.2. Paths

1.8.2.1. Create a helmrelease

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

1.8.2.1.1. Description

Create a helmrelease.

1.8.2.1.2. Parameters

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

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

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

1.8.2.1.6. Example HTTP request

1.8.2.1.6.1. 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
  }
}
}
}

```

1.8.2.2. Query all helmreleases

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

1.8.2.2.1. Description

Query your helmreleases for more details.

1.8.2.2.2. Parameters

Type	Name	Description	Schema
Header	COOKIE required	Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token.	string
Path	namespace required	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

HTTP Code	Description	Schema
503	Service unavailable	No Content

1.8.2.2.4. Consumes

- **application/yaml**

1.8.2.2.5. Tags

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

1.8.2.3. Query a single helmrelease

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

1.8.2.3.1. Description

Query a single helmrelease for more details.

1.8.2.3.2. Parameters

Type	Name	Description	Schema
Header	COOKIE required	Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token.	string
Path	helmrelease_name required	Name of the helmrelease that you wan to query.	string
Path	namespace required	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

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

1.8.2.3.4. Tags

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

1.8.2.4. Delete a helmrelease

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

1.8.2.4.1. Parameters

Type	Name	Description	Schema
Header	COOKIE required	Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token.	string
Path	helmrelease_name required	Name of the helmrelease that you want to delete.	string
Path	namespace required	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

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

1.8.3. Definitions

1.8.3.1. HelmRelease

Name	Schema
apiVersion required	string
kind required	string
metadata required	object
repo required	repo
spec required	object
status required	status

repo

Name	Schema
chartName optional	string
configMapRef optional	configMapRef
secretRef optional	secretRef
source optional	source
version optional	string

configMapRef

Name	Schema
apiVersion optional	string
fieldPath optional	string
kind optional	string
name optional	string
namespace optional	string
resourceVersion optional	string
uid optional	string

secretRef

Name	Schema
apiVersion optional	string
fieldPath optional	string
kind optional	string
name optional	string
namespace optional	string
resourceVersion optional	string
uid optional	string

source

Name	Schema
github optional	github
helmRepo optional	helmRepo
type optional	string

github

Name	Schema
branch optional	string
chartPath optional	string
urls optional	< string > array

helmRepo

Name	Schema
urls optional	< string > array

status

Name	Schema
conditions required	< conditions > array
deployedRelease optional	deployedRelease

conditions

Name	Schema
lastTransitionTime optional	string (date-time)
message optional	string
reason optional	string
status required	string
type required	string

deployedRelease

Name	Schema
manifest optional	string
name optional	string

1.9. POLICY API

1.9.1. 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.

1.9.1.1. Version information

Version : 2.2.0

1.9.1.2. Contact information

Contact Email : apiteam@swagger.io

1.9.1.3. License information

License : Apache 2.0

License URL : <http://www.apache.org/licenses/LICENSE-2.0.html>

Terms of service : <http://swagger.io/terms/>

1.9.1.4. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.9.1.5. Tags

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

1.9.1.6. External Docs

Description : Find out more about Swagger.

URL : <http://swagger.io>

1.9.2. Paths

1.9.2.1. Create a policy

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

1.9.2.1.1. Description

Create a policy.

1.9.2.1.2. Parameters

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

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

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

1.9.2.1.4. Consumes

- **application/json**

1.9.2.1.5. Tags

- policy.open-cluster-management.io

1.9.2.1.6. Example HTTP request

1.9.2.1.6.1. Request body

```
{
  "apiVersion": "policy.open-cluster-management.io/v1/v1alpha1",
  "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/v1alpha1",
      "complianceType": "musthave",
      "metadata": {
        "namespace": null,
        "name": "test-role"
      },
      "selector": {
        "matchLabels": {
          "cloud": "IBM"
        }
      }
    },
    "spec" : {
      "object-templates": {
        "complianceType": "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"
    ]
  }
],
},
},
},
},
},
},
```

1.9.2.2. Query all policies

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

1.9.2.2.1. Description

Query your policies for more details.

1.9.2.2.2. Parameters

Type	Name	Description	Schema
Header	COOKIE required	Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token.	string
Path	namespace required	Namespace that you want to apply the policy to, 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/json**

1.9.2.2.5. Tags

- policy.open-cluster-management.io

1.9.2.3. Query a single policy

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

1.9.2.3.1. Description

Query a single policy for more details.

1.9.2.3.2. Parameters

Type	Name	Description	Schema
Header	COOKIE required	Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token.	string
Path	policy_name required	Name of the policy that you want to query.	string
Path	namespace required	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

- policy.open-cluster-management.io

1.9.2.4. Delete a policy

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

1.9.2.4.1. Parameters

Type	Name	Description	Schema
Header	COOKIE required	Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token.	string

Type	Name	Description	Schema
Path	policy_name required	Name of the policy that you want to delete.	string
Path	namespace required	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
500	Internal service error	No Content
503	Service unavailable	No Content

1.9.2.4.3. Tags

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

1.9.3. Definitions

1.9.3.1. Policy

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

`spec`

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

policy-templates

Name	Description	Schema
apiVersion required	The versioned schema of Policy.	string
kind optional	String value that represents the REST resource.	string
metadata required	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
clusterConditions optional	Section to define labels.	string
rules optional		string

clusterConditions

Name	Description	Schema
matchLabels optional	The label that is required for the policy to be applied to a namespace.	object
cloud optional	The label that is required for the policy to be applied to a cloud provider.	string

rules

Name	Description	Schema
apiGroups required	List of APIs that the rule applies to.	string
resources required	A list of resource types.	object
verbs required	A list of verbs.	string

1.10. OBSERVABILITY API

1.10.1. 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.

1.10.1.1. Version information

Version : 2.2.0

1.10.1.2. Contact information

Contact Email : apiteam@swagger.io

1.10.1.3. License information

License : Apache 2.0

License URL : <http://www.apache.org/licenses/LICENSE-2.0.html>

Terms of service : <http://swagger.io/terms/>

1.10.1.4. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.10.1.5. Tags

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

1.10.1.6. External Docs

Description : Find out more about Swagger.

URL : <http://swagger.io>

1.10.2. Paths

1.10.2.1. Create a multiclusterobservability resource

POST /apis/observability.open-cluster-management.io/v1beta1/multiclusterobservabilities

1.10.2.1.1. Description

Create a MultiClusterObservability resource.

1.10.2.1.2. Parameters

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

1.10.2.1.3. 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

1.10.2.1.4. Consumes

- **application/yaml**

1.10.2.1.5. Tags

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

1.10.2.1.6. Example HTTP request

1.10.2.1.6.1. Request body

```
{
  "apiVersion": "observability.open-cluster-management.io/v1beta1",
  "kind": "MultiClusterObservability",
  "metadata": {
    "name": "example"
  }
}
```

```

    },
    "spec": {
      "storageConfigObject": {
        "metricObjectStorage": {
          "name": "thanos-object-storage",
          "key": "thanos.yaml"
        }
      }
    }
  }
}

```

1.10.2.2. Query all multiclusterobservabilities

GET /apis/observability.open-cluster-management.io/v1beta1/multiclusterobservabilities

1.10.2.2.1. Description

Query your MultiClusterObservability resources for more details.

1.10.2.2.2. Parameters

Type	Name	Description	Schema
Header	COOKIE required	Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token.	string

1.10.2.2.3. 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

1.10.2.2.4. Consumes

- **application/yaml**

1.10.2.2.5. Tags

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

1.10.2.3. Query a single multiclusterobservability

```
GET /apis/observability.open-cluster-management.io/v1beta1/multiclusterobservabilities/{multiclusterobservability_name}
```

1.10.2.3.1. Description

Query a single MultiClusterObservability resource for more details.

1.10.2.3.2. Parameters

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

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

1.10.2.4. Delete a multiclusterobservability resource

```
DELETE /apis/observability.open-cluster-management.io/v1beta1/multiclusterobservabilities/{multiclusterobservability_name}
```

1.10.2.4.1. Parameters

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

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

1.10.3. Definitions

1.10.3.1. MultiClusterObservability

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

spec

Name	Description	Schema
<code>availabilityConfig</code> optional	The parameter used to select high-availability support. This provides support in the case of a failover, and consumes more resources. Options: Basic and High	string
<code>enableDownsampling</code> optional	Enable or disable the downsample. Default value is false . If there is no downsample data, the query is unavailable.	boolean
<code>imagePullPolicy</code> optional	Pull policy for the Observability images.	string
<code>imagePullSecret</code> optional	Pull secret for the Observability images.	string
<code>nodeSelector</code> optional	Supports node selection constraints	object
<code>observabilityAddonSpec</code> optional	The global settings for all managed clusters, which have the add-on enabled.	observabilityAddonSpec
<code>retentionResolution1h</code> optional	The amount of time to retain samples of resolution 2 (1 hour) in a bucket. Default value is 30 days (30d).	string
<code>retentionResolution5m</code> optional	The amount of time to retain samples of resolution 1 (5 minutes) in a bucket. Default value is 14 days (14d).	string
<code>retentionResolutionRaw</code> optional	The amount of time to retain raw samples of resolution in a bucket.	string
<code>storageConfigObject</code> required	Specifies the storage to be used by Observability.	storageConfigObject

observabilityAddonSpec

Name	Description	Schema
<code>enableMetrics</code> optional	Indicates if the observability add-on sends metrics to the hub cluster. Default value is true .	boolean

Name	Description	Schema
interval optional	Interval for when the observability add-on sends metrics to the hub cluster. Default value is 30 seconds (30s).	integer

storageConfigObject

Name	Description	Schema
metricObjectStorage required	Object store to configure secrets for metrics.	metricObjectStorage
statefulSetSize optional	The amount of storage that is applied to the Observability StatefulSets, i.e. Thanos store, rule, compact, and receiver. Default value is 10Gi .	string
statefulSetStorageClass optional	Specify the storageClass StatefulSets. This storage is used for the object storage if MetricObjectStorage is configured for your operating system to create storage. Default value is gp2 .	string

metricObjectStorage

Name	Description	Schema
key required	The key of the secret to select from. Must be a valid secret key.	string
name required	Name of the metricObjectStorage .	string

1.11. SEARCH CUSTOMIZATION API

1.11.1. Overview

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

1.11.1.1. Version information

Version : 2.2.0

1.11.1.2. Contact information

Contact Email : apiteam@swagger.io

1.11.1.3. License information

License : Apache 2.0

License URL : <http://www.apache.org/licenses/LICENSE-2.0.html>

Terms of service : <http://swagger.io/terms/>

1.11.1.4. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.11.1.5. Tags

- `search.open-cluster-management.io/v1` : Create and manage persistence volumes

1.11.1.6. External Docs

Description : Find out more about Swagger.

URL : <http://swagger.io>

1.11.2. Paths

1.11.2.1. Create a searchCustomization

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

1.11.2.1.1. Description

Create a searchCustomization.

1.11.2.1.2. Parameters

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

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

- **searchCustomization/json**

1.11.2.1.5. Tags

- search.open-cluster-management.io

1.11.2.1.6. Example HTTP request

1.11.2.1.6.1. Request body

```
{
  "apiVersion": "search.open-cluster-management.io/v1",
  "kind": "SearchCustomization",
  "metadata": {
    "name": "test-search-swagger",
    "description": "Example body for SearchCustomization API Swagger docs"
  },
  "spec": {
    "remediationAction": "enforce",
    "namespaces": {
      "include": [
        "default"
      ],
      "exclude": [
        "kube*"
      ]
    }
  },
  "policy-templates": {
    "kind": "ConfigurationPolicy",
    "apiVersion": "search.open-cluster-management.io/v1alpha1",
    "complianceType": "musthave",
    "metadata": {
      "namespace": null,
      "name": "test-role"
    }
  }
}
```

```
"selector": {
  "matchLabels": {
    "cloud": "IBM"
  }
},
"spec": {
  "object-templates": {
    "complianceType": "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",
```


1.11.2.2.5. Tags

- search.open-cluster-management.io

1.11.2.3. Query a single policy

```
GET /search.open-cluster-management.io/v1/v1alpha1/namespaces/{namespace}/policies/{policy_name}
```

1.11.2.3.1. Description

Query a single searchCustomization for more details.

1.11.2.3.2. Parameters

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

- search.open-cluster-management.io

1.11.2.4. Delete a searchCustomization

DELETE /search.open-cluster-management.io/v1/v1alpha1/namespaces/{namespace}/policies/{policy_name}

1.11.2.4.1. Parameters

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

- search.open-cluster-management.io

1.11.3. Definitions

1.11.3.1. SearchCustomization

Name	Description	Schema
apiVersion required	The versioned schema of SearchCustomization.	string
kind required	String value that represents the REST resource.	string

Name	Description	Schema
metadata required	Describes rules that define the policy.	object

spec

Name	Description	Schema
remediationAction optional	Value that represents how violations are handled as defined in the resource.	string
namespaces required	Value that represents which namespaces to include or exclude when the policy is applied.	string

policy-templates

Name	Description	Schema
apiVersion required	The versioned schema of SearchCustomization.	string
kind optional	String value that represents the REST resource.	string
metadata required	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
clusterConditions optional	Section to define labels.	string
rules optional		string

clusterConditions

Name	Description	Schema
matchLabels optional	The label that is required for the policy to be applied to a namespace.	object
cloud optional	The label that is required for the policy to be applied to a cloud provider.	string

rules

Name	Description	Schema
apiGroups required	List of APIs that the rule applies to.	string
resources required	A list of resource types.	object
verbs required	A list of verbs.	string

1.12. MULTICLUSTERHUB API

1.12.1. 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.

1.12.1.1. Version information

Version : 2.2.0

1.12.1.2. Contact information

Contact Email : apiteam@swagger.io

1.12.1.3. License information

License : Apache 2.0

License URL : <http://www.apache.org/licenses/LICENSE-2.0.html>

Terms of service : <http://swagger.io/terms/>

1.12.1.4. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.12.1.5. Tags

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

1.12.1.6. External Docs

Description : Find out more about Swagger.

URL : <http://swagger.io>

1.12.2. Paths

1.12.2.1. Create a MultiClusterHub resource

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

1.12.2.1.1. Description

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

1.12.2.1.2. Parameters

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

1.12.2.1.3. 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

1.12.2.1.4. Consumes

- **multiclusterhubs/yaml**

1.12.2.1.5. Tags

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

1.12.2.1.6. Example HTTP request

1.12.2.1.6.1. Request body

```
{
  "apiVersion": "apiextensions.k8s.io/v1beta1",
  "kind": "CustomResourceDefinition",
  "metadata": {
    "name": "multiclusterhubs.operator.open-cluster-management.io"
  },
  "spec": {
    "additionalPrinterColumns": [
      {
        "JSONPath": ".status.phase",
        "description": "The overall status of the MultiClusterHub.",
        "name": "Status",
        "type": "string"
      },
      {
        "JSONPath": ".metadata.creationTimestamp",
        "name": "Age",
        "type": "date"
      }
    ],
    "group": "operator.open-cluster-management.io",
    "names": {
      "kind": "MultiClusterHub",
      "listKind": "MultiClusterHubList",
      "plural": "multiclusterhubs",
      "shortNames": [
        "mch"
      ],
      "singular": "multiclusterhub"
    },
    "scope": "Namespaced",
    "subresources": {
      "status": {}
    },
    "validation": {
      "openAPIV3Schema": {
        "description": "MultiClusterHub defines the configuration for an instance of the MultiClusterHub.",
        "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": "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 enough 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 as changes that
        happen during this interval are queued up and result in a backup happening 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 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 references a secret that are 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"
        },
        "gcp": {
          "description": "(Deprecated) GCP contains GCP-specific settings for external DNS",
          "properties": {
            "credentials": {
              "description": "(Deprecated) Credentials references 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 named `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 can be 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 we need to ensure nothing is running that adds or acts 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": "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. The values that can be used are: 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 contains 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. The values that can be used are: True,
False, Unknown",
"type": "string"
},
"type": {
"description": "Type is the type of the cluster condition.",
"type": "string"
}
}
}
}

```



```

    }
  },
  "type": "object"
},
"type": "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"
}
},
"version": "v1",
"versions": [
  {
    "name": "v1",
    "served": true,
    "storage": true
  }
]
}
}

```

1.12.2.2. Query all MultiClusterHubs

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

1.12.2.2.1. Description

Query your multicluster hub operator for more details.

1.12.2.2.2. Parameters

Type	Name	Description	Schema
Header	COOKIE required	Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token.	string

Type	Name	Description	Schema
Path	namespace required	Namespace that you want to use, for example, default.	string

1.12.2.2.3. 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

1.12.2.2.4. Consumes

- **operator/yaml**

1.12.2.2.5. Tags

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

1.12.2.3. Query a MultiClusterHub operator

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

1.12.2.3.1. Description

Query a single multicluster hub operator for more details.

1.12.2.3.2. Parameters

Type	Name	Description	Schema
Header	COOKIE required	Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token.	string
Path	application_name required	Name of the application that you want to query.	string

Type	Name	Description	Schema
Path	namespace required	Namespace that you want to use, for example, default.	string

1.12.2.3.3. 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

1.12.2.3.4. Tags

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

1.12.2.4. Delete a MultiClusterHub operator

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

1.12.2.4.1. Parameters

Type	Name	Description	Schema
Header	COOKIE required	Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token.	string
Path	application_name required	Name of the multicluster hub operator that you want to delete.	string
Path	namespace required	Namespace that you want to use, for example, default.	string

1.12.2.4.2. 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

1.12.2.4.3. Tags

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

1.12.3. Definitions

1.12.3.1. Multicluster hub operator

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

`spec`

<code>availabilityConfig</code> optional	Specifies deployment replication for improved availability. The default value is High .	string
<code>customCAConfigmap</code> optional	Provide the customized OpenShift default ingress CA certificate to Red Hat Advanced Cluster Management.	string

availabilityConfig optional	Specifies deployment replication for improved availability. The default value is High .	string
disableHubSelfManagement optional	Disable automatic import of the hub cluster as a managed cluster.	boolean
disableUpdateClusterImageSets optional	Disable automatic update of ClusterImageSets.	boolean
hive optional	(Deprecated) An object that overrides for the default HiveConfig specification.	hive
imagePullSecret optional	Overrides pull secret for accessing MultiClusterHub operand and endpoint images.	string
ingress optional	Configuration options for ingress management.	ingress
nodeSelector optional	Set the node selectors.	string
separateCertificateManagement optional	(Deprecated) Install cert-manager into its own namespace.	boolean

hive

additionalCertificateAuthorities optional	(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 optional	(Deprecated) Specifies the configuration for backup integration. If absent, backup integration is disabled.	backup

additionalCertificateAuthorities optional	(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
externalDNS optional	(Deprecated) Specifies configuration for external-dns if it is to be deployed by Hive. If absent, external-dns is not be deployed.	object
failedProvisionConfig required	(Deprecated) Used to configure settings related to handling provision failures.	failedProvisionConfig
globalPullSecret optional	(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 optional	(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 optional	List of SSL ciphers enabled for management ingress. Defaults to full list of supported ciphers.	string
-------------------------------	---	--------

backup

<code>minBackupPeriodSeconds</code> optional	(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
<code>velero</code> optional	(Deprecated) Velero specifies configuration for the Velero backup integration.	object

failedProvisionConfig

<code>skipGatherLogs</code> optional	(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

<code>components</code> optional	The components of the status configuration.	object
<code>conditions</code> optional	Contains the different conditions for the multicluster hub.	conditions
<code>desiredVersion</code> optional	Indicates the desired version.	string
<code>phase</code> optional	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 optional	The last time the condition changed from one status to another.	string
lastUpdateTime optional	The last time this condition was updated.	string
message required	Message is a human-readable message indicating details about the last status change.	string
reason required	A brief reason for why the condition status changed.	string
status required	The status of the condition.	string
type required	The type of the cluster condition.	string

StatusConditions

kind required	The resource kind that represents this status.	string
available required	Indicates whether this component is properly running.	boolean
lastTransitionTime optional	The last time the condition changed from one status to another.	metav1.time
lastUpdateTime optional	The last time this condition was updated.	metav1.time
message required	Message is a human-readable message indicating details about the last status change.	string
reason optional	A brief reason for why the condition status changed.	string
status optional	The status of the condition.	string
type optional	The type of the cluster condition.	string

