



Red Hat Advanced Cluster Management for Kubernetes 2.1

APIs

APIs

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Abstract

API guide for Red Hat Advanced Cluster Management for Kubernetes

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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.

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](#)

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 : 2.1.0

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 <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
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
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

HTTP Code	Description	Schema
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 <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 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 <i>required</i>	string
kind <i>required</i>	string
metadata <i>required</i>	object
spec <i>required</i>	spec

spec

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

managedClusterClientConfigs

Name	Description	Schema
URL <i>required</i>		string
CABundle <i>optional</i>	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 : 2.1.0

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 <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/v1alpha1/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

HTTP Code	Description	Schema
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 <i>required</i>	Authorization: Bearer {ACCESS_TOKEN}; ACCESS_TOKEN is the user access token.	string

Type	Name	Description	Schema
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/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 <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
<code>apiVersion</code> <i>required</i>	string
<code>kind</code> <i>required</i>	string
<code>metadata</code> <i>required</i>	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 : 2.1.0

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 <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

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 <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

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 <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
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 <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
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
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 <i>required</i>	string
kind <i>required</i>	string
metadata <i>required</i>	object
spec <i>required</i>	spec

spec

Name	Schema
clusterSet <i>required</i>	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 : 2.1.0

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 <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

1.4.2.1.3. 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",
  "name": "sample-channel",
  "namespace": "default",
  "spec": {
    "type": "Git",
```

```

"pathname" : "https://github.com/IBM/charts.git",
"configMapRef" : {
  "name" : "bookinfo-resource-filter-configmap",
  "kind" : "configmap"
}
}
}
}

```

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 <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

1.4.2.2.3. 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 <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

1.4.2.3.3. 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 <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

1.4.2.4.2. 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 <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 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

Name	Description	Schema
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: https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#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: https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#uids	string

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
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 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

Name	Description	Schema
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: https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#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: https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#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 : 2.1.0

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 <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

1.5.2.1.3. 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 <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

- **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 <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

1.5.2.3.3. 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 <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
Path	subscription_name <i>required</i>	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 <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

Name	Schema
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
resourceVersion <i>optional</i>	string

Name	Schema
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
reason <i>optional</i>	string

Name	Schema
statuses <i>optional</i>	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 : 2.1.0

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 <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 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 placementrules

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 <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

- **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 <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 placement rule 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 <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 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 <i>required</i>	string
kind <i>required</i>	string
metadata <i>required</i>	object

Name	Schema
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

Name	Schema
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

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

resourceHint

Name	Schema
order <i>optional</i>	string
type <i>optional</i>	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 : 2.1.0

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 <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 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 <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

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 <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

1.7.2.3.3. 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 <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

1.7.2.4.2. 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 <i>required</i>	string
kind <i>required</i>	string
metadata <i>required</i>	object
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
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
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

Name	Schema
valueFrom <i>optional</i>	valueFrom

valueFrom

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

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

ingressRef

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

Name	Schema
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

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)

Name	Schema
resourceVersion <i>optional</i>	string
uid <i>optional</i>	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 : 2.1.0

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 <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

1.8.2.1.3. 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 <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

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 <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 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

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 <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

1.8.2.4.2. 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 <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
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
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

1.9. 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 : 2.1.0

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 <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.	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": {
```


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 <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 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 <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

1.9.2.3.3. 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 <i>required</i>	Authorization: Bearer {ACCESS_TOKEN} ; ACCESS_TOKEN is the user access token.	string

Type	Name	Description	Schema
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

1.9.2.4.2. 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 <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
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
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

1.10. 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 : 2.1.0

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 <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

1.10.2.1.3. 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 <i>required</i>	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 <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

1.10.2.3.3. 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 <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

1.10.2.4.2. 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 <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
availabilityConfig <i>optional</i>	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
enableDownsampling <i>optional</i>	Enable or disable the downsample. Default value is false . If there is no downsample data, the query is unavailable.	boolean
imagePullPolicy <i>optional</i>	Pull policy for the Observability images.	string
imagePullSecret <i>optional</i>	Pull secret for the Observability images.	string
nodeSelector <i>optional</i>	Supports node selection constraints	object
observabilityAddonSpec <i>optional</i>	The global settings for all managed clusters, which have the add-on enabled.	observabilityAddonSpec
retentionResolution1h <i>optional</i>	The amount of time to retain samples of resolution 2 (1 hour) in a bucket. Default value is 30 days (30d).	string
retentionResolution5m <i>optional</i>	The amount of time to retain samples of resolution 1 (5 minutes) in a bucket. Default value is 14 days (14d).	string
retentionResolutionRaw <i>optional</i>	The amount of time to retain raw samples of resolution in a bucket.	string
storageConfigObject <i>required</i>	Specifies the storage to be used by Observability.	storageConfigObject

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

Name	Description	Schema
interval <i>optional</i>	Interval for when the observability add-on sends metrics to the hub cluster. Default value is 60 seconds (60s).	integer

storageConfigObject

Name	Description	Schema
metricObjectStorage <i>required</i>	Object store to configure secrets for metrics.	metricObjectStorage
statefulSetSize <i>optional</i>	The amount of storage that is applied to the Observability stateful sets, i.e. Thanos store, rule, compact, and receiver. Default value is 10Gi .	string
statefulSetStorageClass <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

metricObjectStorage

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