



Red Hat Advanced Cluster Management for Kubernetes 2.7

APIs

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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Abstract

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

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CHAPTER 1. APIS

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

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

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

- [Clusters API](#)
- [ClusterSets API \(v1beta2\)](#)
- [ClusterSetBindings API \(v1beta2\)](#)
- [Channels API](#)
- [Subscriptions API](#)
- [PlacementRules API](#)
- [Applications API](#)
- [Helm API](#)
- [Policy API](#)
- [Observability API](#)
- [MultiClusterHub API](#)
- [Placements API \(v1beta1\)](#)
- [PlacementDecisions API \(v1beta1\)](#)
- [DiscoveryConfig API](#)
- [DiscoveredCluster API](#)
- [ManagedClusterSet 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.

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

ManagedCluster is a cluster-scoped resource.

1.1.1.1. Version information

Version : 2.7.0

1.1.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.1.1.3. Tags

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

1.1.2. Paths

1.1.2.1. Query all clusters

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

1.1.2.1.1. Description

Query your clusters for more details.

1.1.2.1.2. Parameters

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

1.1.2.1.3. Responses

HTTP Code	Description	Schema
200	Success	No Content
403	Access forbidden	No Content
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
500	Internal service error	No Content

HTTP Code	Description	Schema
503	Service unavailable	No Content

1.1.2.3.4. Tags

- cluster.open-cluster-management.io

1.1.2.4. Delete a cluster

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

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

1.1.2.4.1. Description

Delete a single cluster

1.1.2.4.2. Parameters

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

1.1.2.4.3. Responses

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

1.1.2.4.4. Tags

- cluster.open-cluster-management.io

1.1.3. Definitions

1.1.3.1. Cluster

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

spec

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

managedClusterClientConfigs

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

taint

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

1.2. CLUSTERSETS API (V1BETA2)

1.2.1. Overview

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

1.2.1.1. Version information

Version : 2.7.0

1.2.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.2.1.3. Tags

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

1.2.2. Paths

1.2.2.1. Query all clustersets

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

1.2.2.1.1. Description

Query your Clustersets for more details.

1.2.2.1.2. Parameters

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

1.2.2.1.3. Responses

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

1.2.2.1.4. Consumes

- `clusterset/yaml`

1.2.2.1.5. Tags

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

1.2.2.2. Create a clusterset

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

1.2.2.2.1. Description

Create a Clusterset.

1.2.2.2.2. Parameters

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

1.2.2.2.3. Responses

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

1.2.2.2.4. Consumes

- **clusterset/yaml**

1.2.2.2.5. Tags

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

1.2.2.2.6. Example HTTP request

1.2.2.2.6.1. Request body

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

```

    },
    "status": {}
  }
}

```

1.2.2.3. Query a single clusterset

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

1.2.2.3.1. Description

Query a single clusterset for more details.

1.2.2.3.2. Parameters

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

1.2.2.3.3. Responses

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

1.2.2.3.4. Tags

- cluster.open-cluster-management.io

1.2.2.4. Delete a clusterset

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

1.2.2.4.1. Description

Delete a single clusterset.

1.2.2.4.2. Parameters

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

1.2.2.4.3. Responses

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

1.2.2.4.4. Tags

- cluster.open-cluster-management.io

1.2.3. Definitions

1.2.3.1. Clusterset

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

1.3. CLUSTERSETBINDINGS API (V1BETA2)

1.3.1. Overview

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

1.3.1.1. Version information

Version : 2.7.0

1.3.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.3.1.3. Tags

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

1.3.2. Paths

1.3.2.1. Query all clustersetbindings

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

1.3.2.1.1. Description

Query your clustersetbindings for more details.

1.3.2.1.2. Parameters

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

1.3.2.1.3. Responses

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

1.3.2.1.4. Consumes

- **clustersetbinding/yaml**

1.3.2.1.5. Tags

- cluster.open-cluster-management.io

1.3.2.2. Create a clustersetbinding

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

1.3.2.2.1. Description

Create a clustersetbinding.

1.3.2.2.2. Parameters

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

1.3.2.2.3. Responses

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

1.3.2.2.4. Consumes

- **clustersetbinding/yaml**

1.3.2.2.5. Tags

- cluster.open-cluster-management.io

1.3.2.2.6. Example HTTP request

1.3.2.2.6.1. Request body

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

1.3.2.3. Query a single clustersetbinding

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

1.3.2.3.1. Description

Query a single clustersetbinding for more details.

1.3.2.3.2. Parameters

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

1.3.2.3.3. Responses

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

1.3.2.3.4. Tags

- cluster.open-cluster-management.io

1.3.2.4. Delete a clustersetbinding

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

1.3.2.4.1. Description

Delete a single clustersetbinding.

1.3.2.4.2. Parameters

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

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

spec

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

1.4. CLUSTERVIEW API (V1ALPHA1)

1.4.1. Overview

This documentation is for the **clusterview** resource for Red Hat Advanced Cluster Management for Kubernetes. The **clusterview** resource provides a CLI command that enables you to view a list of the managed clusters and managed cluster sets that that you can access. The three possible requests are: list, get, and watch.

1.4.1.1. Version information

Version : 2.7.0

1.4.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.4.1.3. Tags

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

1.4.2. Paths

1.4.2.1. Get managed clusters

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

1.4.2.1.1. Description

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

1.4.2.1.2. Parameters

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

1.4.2.1.3. Responses

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

1.4.2.1.4. Consumes

- **managedcluster/yaml**

1.4.2.1.5. Tags

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

1.4.2.2. List managed clusters

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

1.4.2.2.1. Description

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

1.4.2.2.2. Parameters

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

1.4.2.2.3. Responses

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

1.4.2.2.4. Consumes

- **managedcluster/yaml**

1.4.2.2.5. Tags

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

1.4.2.2.6. Example HTTP request

1.4.2.2.6.1. Request body

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

1.4.2.3. Watch the managed cluster sets

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

1.4.2.3.1. Description

Watch the managed clusters that you can access.

1.4.2.3.2. Parameters

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

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

1.4.2.3.3. Responses

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

1.4.2.4. List the managed cluster sets.

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

1.4.2.4.1. Description

List the managed clusters that you can access.

1.4.2.4.2. Parameters

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

1.4.2.4.3. Responses

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

1.4.2.5. List the managed cluster sets.

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

1.4.2.5.1. Description

List the managed clusters that you can access.

1.4.2.5.2. Parameters

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

1.4.2.5.3. Responses

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

1.4.2.6. Watch the managed cluster sets.

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

1.4.2.6.1. Description

Watch the managed clusters that you can access.

1.4.2.6.2. Parameters

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

1.4.2.6.3. Responses

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

1.5. CHANNELS API

1.5.1. Overview

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

1.5.1.1. Version information

Version : 2.7.0

1.5.1.2. URI scheme

BasePath : /kubernetes/apis
Schemes : HTTPS

1.5.1.3. Tags

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

1.5.2. Paths

1.5.2.1. Create a channel

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

1.5.2.1.1. Description

Create a channel.

1.5.2.1.2. Parameters

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

1.5.2.1.3. Responses

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

1.5.2.1.4. Consumes

- **application/yaml**

1.5.2.1.5. Tags

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

1.5.2.1.6. Example HTTP request

1.5.2.1.6.1. Request body

```
{
  "apiVersion": "apps.open-cluster-management.io/v1",
  "kind": "Channel",
  "metadata": {
    "name": "sample-channel",
    "namespace": "default"
  },
  "spec": {
    "configMapRef": {
      "kind": "configmap",
      "name": "bookinfo-resource-filter-configmap"
    },
    "pathname": "https://charts.helm.sh/stable",
    "type": "HelmRepo"
  }
}
```

1.5.2.2. Query all channels for the target namespace

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

1.5.2.2.1. Description

Query your channels for more details.

1.5.2.2.2. Parameters

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

1.5.2.2.3. Responses

HTTP Code	Description	Schema
200	Success	No Content

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

1.5.2.2.4. Consumes

- **application/yaml**

1.5.2.2.5. Tags

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

1.5.2.3. Query a single channels of a namespace

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

1.5.2.3.1. Description

Query a single channels for more details.

1.5.2.3.2. Parameters

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

1.5.2.3.3. Responses

HTTP Code	Description	Schema
200	Success	No Content

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

1.5.2.3.4. Tags

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

1.5.2.4. Delete a Channel

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

1.5.2.4.1. Parameters

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

1.5.2.4.2. Responses

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

1.5.2.4.3. Tags

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

1.5.3. Definitions

1.5.3.1. Channel

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

spec

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

configMapRef

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

gates

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

annotations

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

labelSelector

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

matchExpressions

Name	Description	Schema
key <i>required</i>	key is the label key that the selector applies to.	string
operator <i>required</i>	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.	string

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

1.6. SUBSCRIPTIONS API

1.6.1. Overview

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

1.6.1.1. Version information

Version : 2.7.0

1.6.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.6.1.3. Tags

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

1.6.2. Paths

1.6.2.1. Create a subscription

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

1.6.2.1.1. Description

Create a subscription.

1.6.2.1.2. Parameters

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

1.6.2.1.3. Responses

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

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

1.6.2.1.4. Consumes

- **subscription/yaml**

1.6.2.1.5. Tags

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

1.6.2.1.6. Example HTTP request

1.6.2.1.6.1. Request body

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



```

    "registrationImage" : {
      "pullSecret" : "hub-repo-docker-secret"
    }
  }
}
}],
"placement" : {
  "placementRef" : {
    "kind" : "PlacementRule",
    "name" : "demo-clusters"
  }
}
}
}
}

```

1.6.2.2. Query all subscriptions

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

1.6.2.2.1. Description

Query your subscriptions for more details.

1.6.2.2.2. Parameters

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

1.6.2.2.3. Responses

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

1.6.2.2.4. Consumes

- **subscription/yaml**

1.6.2.2.5. Tags

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

1.6.2.3. Query a single subscription

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

1.6.2.3.1. Description

Query a single subscription for more details.

1.6.2.3.2. Parameters

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

1.6.2.3.3. Responses

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

1.6.2.3.4. Tags

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

1.6.2.4. Delete a subscription

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

1.6.2.4.1. Parameters

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

1.6.2.4.2. Responses

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

1.6.2.4.3. Tags

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

1.6.3. Definitions

1.6.3.1. Subscription

Name	Schema
apiVersion <i>required</i>	string

Name	Schema
kind <i>required</i>	string
metadata <i>required</i>	metadata
spec <i>required</i>	spec
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

Name	Schema
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 : <code>"()(\\.[0-9])(\\.) (\\.[0-9])?(\\.[xX])\$"</code>	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

Name	Schema
local <i>optional</i>	boolean
placementRef <i>optional</i>	placementRef

clusterSelector

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

matchExpressions

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

clusters

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

placementRef

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

Name	Schema
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

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
statuses <i>optional</i>	object

1.7. PLACEMENTRULES API

1.7.1. Overview

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

1.7.1.1. Version information

Version : 2.7.0

1.7.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.7.1.3. Tags

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

1.7.2. Paths

1.7.2.1. Create a placement rule

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

1.7.2.1.1. Description

Create a placement rule.

1.7.2.1.2. Parameters

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

1.7.2.1.3. Responses

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

1.7.2.1.4. Consumes

- **application/yaml**

1.7.2.1.5. Tags

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

1.7.2.1.6. Example HTTP request

1.7.2.1.6.1. Request body

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

```

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

```

1.7.2.2. Query all placement rules

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

1.7.2.2.1. Description

Query your placement rules for more details.

1.7.2.2.2. Parameters

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

1.7.2.2.3. Responses

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

1.7.2.2.4. Consumes

- **application/yaml**

1.7.2.2.5. Tags

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

1.7.2.3. Query a single placementrule

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

1.7.2.3.1. Description

Query a single placement rule for more details.

1.7.2.3.2. Parameters

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

1.7.2.3.3. Responses

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

1.7.2.3.4. Tags

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

1.7.2.4. Delete a placementrule

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

1.7.2.4.1. Parameters

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

1.7.2.4.2. Responses

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

1.7.2.4.3. Tags

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

1.7.3. Definitions

1.7.3.1. Placementrule

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

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

1.8. APPLICATIONS API

1.8.1. Overview

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

1.8.1.1. Version information

Version : 2.7.0

1.8.1.2. URI scheme

BasePath : /kubernetes/apis
Schemes : HTTPS

1.8.1.3. Tags

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

1.8.2. Paths

1.8.2.1. Create a application

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

1.8.2.1.1. Description

Create a application.

1.8.2.1.2. Parameters

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

1.8.2.1.3. Responses

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

1.8.2.1.4. Consumes

- **application/yaml**

1.8.2.1.5. Tags

- applications.app.k8s.io

1.8.2.1.6. Example HTTP request

1.8.2.1.6.1. Request body

```
{
  "apiVersion": "app.k8s.io/v1beta1",
  "kind": "Application",
  "metadata": {
    "labels": {
      "app": "nginx-app-details"
    },
    "name": "nginx-app-3",
    "namespace": "ns-sub-1"
  },
}
```

```

"spec" : {
  "componentKinds" : [ {
    "group" : "apps.open-cluster-management.io",
    "kind" : "Subscription"
  } ]
},
"selector" : {
  "matchLabels" : {
    "app" : "nginx-app-details"
  }
},
"status" : { }
}

```

1.8.2.2. Query all applications

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

1.8.2.2.1. Description

Query your applications for more details.

1.8.2.2.2. Parameters

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

1.8.2.2.3. Responses

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

1.8.2.2.4. Consumes

- **application/yaml**

1.8.2.2.5. Tags

- applications.app.k8s.io

1.8.2.3. Query a single application

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

1.8.2.3.1. Description

Query a single application for more details.

1.8.2.3.2. Parameters

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

1.8.2.3.3. Responses

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

1.8.2.3.4. Tags

- applications.app.k8s.io

1.8.2.4. Delete a application

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

1.8.2.4.1. Parameters

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

1.8.2.4.2. Responses

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

1.8.2.4.3. Tags

- applications.app.k8s.io

1.8.3. Definitions

1.8.3.1. Application

Name	Schema
apiVersion <i>required</i>	string
kind <i>required</i>	string

Name	Schema
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

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

valueFrom

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

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

ingressRef

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

Name	Schema
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
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

serviceRef

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

1.9. HELM API

1.9.1. Overview

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

1.9.1.1. Version information

Version : 2.7.0

1.9.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.9.1.3. Tags

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

1.9.2. Paths

1.9.2.1. Create a helmrelease

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

1.9.2.1.1. Description

Create a helmrelease.

1.9.2.1.2. Parameters

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

1.9.2.1.3. Responses

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

1.9.2.1.4. Consumes

- **application/yaml**

1.9.2.1.5. Tags

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

1.9.2.1.6. Example HTTP request

1.9.2.1.6.1. Request body

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

1.9.2.2. Query all helmreleases

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

1.9.2.2.1. Description

Query your helmreleases for more details.

1.9.2.2.2. Parameters

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

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

1.9.2.2.3. Responses

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

1.9.2.2.4. Consumes

- **application/yaml**

1.9.2.2.5. Tags

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

1.9.2.3. Query a single helmrelease

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

1.9.2.3.1. Description

Query a single helmrelease for more details.

1.9.2.3.2. Parameters

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

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

1.9.2.3.3. Responses

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

1.9.2.3.4. Tags

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

1.9.2.4. Delete a helmrelease

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

1.9.2.4.1. Parameters

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

1.9.2.4.2. Responses

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

1.9.2.4.3. Tags

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

1.9.3. Definitions

1.9.3.1. HelmRelease

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

repo

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

Name	Schema
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

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

helmRepo

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

status

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

conditions

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

deployedRelease

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

1.10. POLICY API

1.10.1. Overview

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

1.10.1.1. Version information

Version : 2.7.0

1.10.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.10.1.3. Tags

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

1.10.2. Paths

1.10.2.1. Create a policy

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

1.10.2.1.1. Description

Create a policy.

1.10.2.1.2. Parameters

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

Type	Name	Description	Schema
Body	body <i>required</i>	Parameters describing the policy to be created.	YAML

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/json**

1.10.2.1.5. Tags

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

1.10.2.1.6. Example HTTP request

1.10.2.1.6.1. Request body

```
{
  "apiVersion": "policy.open-cluster-management.io/v1",
  "kind": "Policy",
  "metadata": {
    "name": "test-policy-swagger",
    "description": "Example body for Policy API Swagger docs"
  },
  "spec": {
    "remediationAction": "enforce",
    "namespaces": {
      "include": [
        "default"
      ],
      "exclude": [
        "kube*"
      ]
    }
  }
}
```

```

},
"policy-templates": {
"kind": "ConfigurationPolicy",
"apiVersion": "policy.open-cluster-management.io/v1",
"complianceType": "musthave",
"metadataComplianceType": "musthave",
"metadata": {
"namespace": null,
"name": "test-role"
},
},
"selector": {
"matchLabels": {
"cloud": "IBM"
}
},
},
"spec" : {
"object-templates": {
"complianceType": "musthave",
"metadataComplianceType": "musthave",
"objectDefinition": {
"apiVersion": "rbac.authorization.k8s.io/v1",
"kind": "Role",
"metadata": {
"name": "role-policy",
},
},
"rules": [
{
"apiGroups": [
"extensions",
"apps"
],
"resources": [
"deployments"
],
"verbs": [
"get",
"list",
"watch",
"delete"
]
},
{
"apiGroups": [
"core"
],
"resources": [
"pods"
],
"verbs": [
"create",
"update",
"patch"
]
},
{
"apiGroups": [

```

```

    "core"
  ],
  "resources": [
    "secrets"
  ],
  "verbs": [
    "get",
    "watch",
    "list",
    "create",
    "delete",
    "update",
    "patch"
  ],
},
],
},
},
},
},
},
},
}

```

1.10.2.2. Query all policies

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

1.10.2.2.1. Description

Query your policies 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
Path	namespace <i>required</i>	Namespace that you want to apply the policy to, for example, default.	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

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

1.10.2.2.4. Consumes

- **application/json**

1.10.2.2.5. Tags

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

1.10.2.3. Query a single policy

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

1.10.2.3.1. Description

Query a single policy for more details.

1.10.2.3.2. Parameters

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

1.10.2.3.3. Responses

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

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

1.10.2.3.4. Tags

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

1.10.2.4. Delete a policy

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

1.10.2.4.1. Parameters

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

1.10.2.4.2. Responses

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

1.10.2.4.3. Tags

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

1.10.3. Definitions

1.10.3.1. Policy

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

spec

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

policy-templates

Name	Description	Schema
apiVersion <i>required</i>	The versioned schema of Policy.	string
kind <i>optional</i>	String value that represents the REST resource.	string
metadata <i>required</i>	Describes rules that define the policy.	object
complianceType	Used to list expected behavior for roles and other Kubernetes object that must be evaluated or applied to the managed clusters.	string

Name	Description	Schema
metadataComplianceType <i>optional</i>	Provides a way for users to process labels and annotations of an object differently than the other fields. The parameter value defaults to the same value of the ComplianceType parameter.	string
clusterConditions <i>optional</i>	Section to define labels.	string
rules <i>optional</i>		string

clusterConditions

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

rules

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

1.11. OBSERVABILITY API

1.11.1. Overview

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

1.11.1.1. Version information

Version : 2.7.0

1.11.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.11.1.3. Tags

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

1.11.2. Paths

1.11.2.1. Create a multiclusterobservability resource

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

1.11.2.1.1. Description

Create a MultiClusterObservability resource.

1.11.2.1.2. Parameters

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

1.11.2.1.3. Responses

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

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

1.11.2.1.4. Consumes

- **application/yaml**

1.11.2.1.5. Tags

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

1.11.2.1.6. Example HTTP request

1.11.2.1.6.1. Request body

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

1.11.2.2. Query all multiclusterobservabilities

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

1.11.2.2.1. Description

Query your MultiClusterObservability resources for more details.

1.11.2.2.2. Parameters

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

1.11.2.2.3. Responses

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

1.11.2.2.4. Consumes

- **application/yaml**

1.11.2.2.5. Tags

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

1.11.2.3. Query a single multiclusterobservability

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

1.11.2.3.1. Description

Query a single MultiClusterObservability resource for more details.

1.11.2.3.2. Parameters

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

Type	Name	Description	Schema
Path	multiclusterobservability_name <i>required</i>	Name of the multiclusterobservability that you want to query.	string

1.11.2.3.3. Responses

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

1.11.2.3.4. Tags

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

1.11.2.4. Delete a multiclusterobservability resource

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

1.11.2.4.1. Parameters

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

1.11.2.4.2. Responses

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

1.11.2.4.3. Tags

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

1.11.3. Definitions

1.11.3.1. MultiClusterObservability

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

spec

Name	Description	Schema
enableDownsampling <i>optional</i>	Enable or disable the downsample. Default value is true . If there is no downsample data, the query is unavailable.	boolean
imagePullPolicy <i>optional</i>	Pull policy for the MultiClusterObservability images. The default value is Always .	corev1.PullPolicy

Name	Description	Schema
imagePullSecret <i>optional</i>	Pull secret for the MultiClusterObservability images. The default value is multiclusterhub-operator-pull-secret	string
nodeSelector <i>optional</i>	Specification of the node selector.	map[string]string
observabilityAddonSpec <i>required</i>	The global settings for all managed clusters, which have the observability add-on installed.	observabilityAddonSpec
storageConfig <i>required</i>	Specifies the storage configuration to be used by observability.	StorageConfig
tolerations <i>optional</i>	Provided the ability for all components to tolerate any taints.	[]corev1.Toleration
advanced <i>optional</i>	The advanced configuration settings for observability.	advanced
resources <i>optional</i>	Compute resources required by MultiClusterObservability.	corev1.ResourceRequirements
replicas <i>optional</i>	Replicas for MultiClusterObservability.	integer

storageConfig

Name	Description	Schema
alertmanagerStorageSize <i>optional</i>	The amount of storage applied to the alertmanager stateful sets. Default value is 1Gi .	string
compactStorageSize <i>optional</i>	The amount of storage applied to the thanos compact stateful sets. Default value is 100Gi .	string
metricObjectStorage <i>required</i>	Object store to configure secrets for metrics.	metricObjectStorage
receiveStorageSize <i>optional</i>	The amount of storage applied to thanos receive stateful sets. Default value is 100Gi .	string

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

writeStorage

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

metricObjectStorage

Name	Description	Schema
key <i>required</i>	The key of the secret to select from. Must be a valid secret key. See Thanos documentation .	string
name <i>required</i>	Name of the metricObjectStorage . See Kubernetes Names for more information.	string

observabilityAddonSpec

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

advanced

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

Name	Description	Schema
query <i>optional</i>	Specifies the replicas and resources for the query deployment.	CommonSpec
receive <i>optional</i>	Specifies the replicas and resources for the receive statefulset.	CommonSpec
rule <i>optional</i>	Specifies the replicas and resources for rule statefulset.	CommonSpec
store <i>optional</i>	Specifies the replicas and resources for the store statefulset.	CommonSpec
CompactSpec <i>optional</i>	Specifies the resources for compact statefulset.	compact
storeMemcached <i>optional</i>	Specifies the replicas, resources, etc. for store-memcached.	storeMemcached
queryFrontendMemcached <i>optional</i>	Specifies the replicas, resources, etc for query-front-end-memcached.	CacheConfig

retentionConfig

Name	Description	Schema
blockDuration <i>optional</i>	The amount of time to block the duration for Time Series Database (TSDB) block. Default value is 2h .	string
cleanupInterval <i>optional</i>	The frequency of how often partially uploaded blocks are cleaned, and how often blocks with the deletion mark that have --wait enabled are cleaned. Default value is 5m .	string
deleteDelay <i>optional</i>	The amount of time until a block marked for deletion is deleted from a bucket. Default value is 48h .	string

Name	Description	Schema
retentionInLocal <i>optional</i>	The amount of time to retain raw samples from the local storage. Default value is 24h .	string
retentionResolutionRaw <i>optional</i>	The amount of time to retain raw samples of resolution 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 180 days (180d).	string
retentionResolution1h <i>optional</i>	The amount of time to retain samples of resolution 2 (1 hour) in a bucket. Default value is 0 days (0d).	string

CompactSpec

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

storeMemcached

Name	Description	Schema
resources <i>optional</i>	Compute resources required by MultiClusterObservability.	corev1.ResourceRequirements
replicas <i>optional</i>	Replicas for MultiClusterObservability.	integer
memoryLimitMb <i>optional</i>	Memory limit of Memcached in megabytes.	integer
maxItemSize <i>optional</i>	Max item size of Memcached. The default value is 1m, min:1k, max:1024m .	string

Name	Description	Schema
connectionLimit <i>optional</i>	Max simultaneous connections of Memcached. The default value is	integer

status

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

CommonSpec

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

QuerySpec

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

ReceiveSpec

Name	Description	Schema
CommonSpec <i>optional</i>	Specifies the replicas and resources for the query deployment.	CommonSpec

serviceAccountAnnotations <i>optional</i>	Annotations is an unstructured key value map stored with the query service account.	map[string]string
---	---	-------------------

StoreSpec

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

RuleSpec

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

1.12. 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 : 2.7.0

1.12.1.2. URI scheme

BasePath : /kubernetes/apis
Schemes : HTTPS

1.12.1.3. Tags

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

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

1.12.2.1.3. 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/v1",
  "kind": "CustomResourceDefinition",
  "metadata": {
    "name": "multiclusterhubs.operator.open-cluster-management.io"
  },
  "spec": {
    "group": "operator.open-cluster-management.io",
    "names": {
      "kind": "MultiClusterHub",
      "listKind": "MultiClusterHubList",
      "plural": "multiclusterhubs",
      "shortNames": [
        "mch"
      ],
      "singular": "multiclusterhub"
    },
    "scope": "Namespaced",
    "versions": [
      {
        "additionalPrinterColumns": [
          {
            "description": "The overall status of the multicluster hub.",
            "jsonPath": ".status.phase",
            "name": "Status",
            "type": "string"
          }
        ],
        "jsonPath": ".metadata.creationTimestamp",
        "name": "Age",
        "type": "date"
      }
    ],
    "name": "v1",
    "schema": {
      "openAPIV3Schema": {
        "description": "MultiClusterHub defines the configuration for an instance of the multiCluster hub.",
        "properties": {
          "apiVersion": {
            "description": "APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources",
            "type": "string"
          }
        }
      }
    }
  }
}
```



```

},
"kind": {
  "description": "Kind is a string value representing the REST resource this
  object represents. Servers may infer this from the endpoint the client
  submits requests to. Cannot be updated. The value is in CamelCase. More info:
https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds",
  "type": "string"
},
"metadata": {
  "type": "object"
},
"spec": {
  "description": "MultiClusterHubSpec defines the desired state of MultiClusterHub.",
  "properties": {
    "availabilityConfig": {
      "description": "Specifies deployment replication for improved availability.
      Options are: Basic and High (default).",
      "type": "string"
    },
    "customCAConfigmap": {
      "description": "Provide the customized OpenShift default ingress CA certificate
      to {product-title-short}.",
      "type": "string"
    },
    "disableHubSelfManagement": {
      "description": "Disable automatic import of the hub cluster as a managed
      cluster.",
      "type": "boolean"
    },
    "disableUpdateClusterImageSets": {
      "description": "Disable automatic update of ClusterImageSets.",
      "type": "boolean"
    },
    "hive": {
      "description": "(Deprecated) Overrides for the default HiveConfig specification.",
      "properties": {
        "additionalCertificateAuthorities": {
          "description": "(Deprecated) AdditionalCertificateAuthorities is
          a list of references to secrets in the 'hive' namespace that
          contain an additional Certificate Authority to use when communicating
          with target clusters. These certificate authorities are
          used in addition to any self-signed CA generated by each cluster
          on installation.",
          "items": {
            "description": "LocalObjectReference contains the information
            to let you locate the referenced object inside the same namespace.",
            "properties": {
              "name": {
                "description": "Name of the referent. More info:
                https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names",
                "type": "string"
              }
            },
            "type": "object"
          }
        }
      }
    }
  }
},
"type": "object"
},

```

```

        "type": "array"
      },
      "backup": {
        "description": "(Deprecated) Backup specifies configuration for backup
          integration. If absent, backup integration is disabled.",
        "properties": {
          "minBackupPeriodSeconds": {
            "description": "(Deprecated) MinBackupPeriodSeconds specifies
              that a minimum of MinBackupPeriodSeconds occurs in between
              each backup. This is used to rate limit backups. This potentially
              batches together multiple changes into one backup. No backups
              are lost for changes that happen during the interval
              that is queued up, and results in a backup once
              the interval has been completed.",
            "type": "integer"
          },
          "velero": {
            "description": "(Deprecated) Velero specifies configuration for the Velero backup
              integration.",
            "properties": {
              "enabled": {
                "description": "(Deprecated) Enabled dictates if the Velero backup
                  integration is enabled. If not specified, the default is disabled.",
                "type": "boolean"
              }
            },
            "type": "object"
          },
          "type": "object"
        },
        "externalDNS": {
          "description": "(Deprecated) ExternalDNS specifies configuration for external-dns if it is to be
            deployed by Hive. If absent, external-dns is not deployed.",
          "properties": {
            "aws": {
              "description": "(Deprecated) AWS contains AWS-specific settings for external DNS.",
              "properties": {
                "credentials": {
                  "description": "(Deprecated) Credentials reference a secret that is used to authenticate with AWS
                    Route53. It needs permission to manage entries in each of the managed domains for this cluster.
                    Secret should have AWS keys named 'aws_access_key_id' and 'aws_secret_access_key'.",
                  "properties": {
                    "name": {
                      "description": "Name of the referent. More info:
                        https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names",
                      "type": "string"
                    }
                  }
                },
                "type": "object"
              }
            },
            "type": "object"
          },
          "gcp": {
            "description": "(Deprecated) GCP contains Google Cloud Platform specific settings for external

```

```

DNS.",
  "properties": {
    "credentials": {
      "description": "(Deprecated) Credentials reference a secret that is used to authenticate with GCP
DNS. It needs permission to manage entries in each of the managed domains for this cluster. Secret
should have a key names 'osServiceAccount.json'. The credentials must specify the project to use.",
      "properties": {
        "name": {
          "description": "Name of the referent. More info:
https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names",
          "type": "string"
        }
      },
      "type": "object"
    }
  },
  "type": "object"
},
  "type": "object"
},
  "type": "object"
},
  "failedProvisionConfig": {
    "description": "(Deprecated) FailedProvisionConfig is used to configure settings related to handling
provision failures.",
    "properties": {
      "skipGatherLogs": {
        "description": "(Deprecated) SkipGatherLogs disables functionality that attempts to gather full logs
from the cluster if an installation fails for any reason. The logs are stored in a persistent volume for up
to seven days.",
        "type": "boolean"
      }
    },
    "type": "object"
  },
  "globalPullSecret": {
    "description": "(Deprecated) GlobalPullSecret is used to specify a pull secret that is used globally by
all of the cluster deployments. For each cluster deployment, the contents of GlobalPullSecret are
merged with the specific pull secret for a cluster deployment(if specified), with precedence given to
the contents of the pull secret for the cluster deployment.",
    "properties": {
      "name": {
        "description": "Name of the referent. More info:
https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names",
        "type": "string"
      }
    },
    "type": "object"
  },
  "maintenanceMode": {
    "description": "(Deprecated) MaintenanceMode can be set to true to disable the Hive controllers
in situations where you need to ensure nothing is running that adds or act upon finalizers on Hive
types. This should rarely be needed. Sets replicas to zero for the 'hive-controllers' deployment to
accomplish this.",
    "type": "boolean"
  }
},

```

```

"required": [
  "failedProvisionConfig"
],
"type": "object"
},
"imagePullSecret": {
  "description": "Override pull secret for accessing MultiClusterHub operand and endpoint images.",
  "type": "string"
},
"ingress": {
  "description": "Configuration options for ingress management.",
  "properties": {
    "sslCiphers": {
      "description": "List of SSL ciphers enabled for management ingress. Defaults to full list of supported ciphers.",
      "items": {
        "type": "string"
      },
      "type": "array"
    }
  },
  "type": "object"
},
"nodeSelector": {
  "additionalProperties": {
    "type": "string"
  },
  "description": "Set the node selectors..",
  "type": "object"
},
"overrides": {
  "description": "Developer overrides.",
  "properties": {
    "imagePullPolicy": {
      "description": "Pull policy of the multicluster hub images.",
      "type": "string"
    }
  },
  "type": "object"
},
"separateCertificateManagement": {
  "description": "(Deprecated) Install cert-manager into its own namespace.",
  "type": "boolean"
},
"type": "object"
},
"status": {
  "description": "MultiClusterHubStatus defines the observed state of MultiClusterHub.",
  "properties": {
    "components": {
      "additionalProperties": {
        "description": "StatusCondition contains condition information.",
        "properties": {
          "lastTransitionTime": {
            "description": "LastTransitionTime is the last time the condition changed from one status to

```

```

another.",
  "format": "date-time",
  "type": "string"
},
"message": {
  "description": "Message is a human-readable message indicating\ndetails about the last status
change.",
  "type": "string"
},
  "reason": {
    "description": "Reason is a (brief) reason for the last status change of the condition.",
    "type": "string"
  },
  "status": {
    "description": "Status is the status of the condition. One of True, False, Unknown.",
    "type": "string"
  },
  "type": {
    "description": "Type is the type of the cluster condition.",
    "type": "string"
  }
},
  "type": "object"
},
"description": "Components []ComponentCondition `json:\`manifests,omitempty\`\"",
"type": "object"
},
"conditions": {
"description": "Conditions contain the different condition statuses for the MultiClusterHub.",
"items": {
"description": "StatusCondition contains condition information.",
"properties": {
"lastTransitionTime": {
"description": "LastTransitionTime is the last time the condition changed from one status to
another.",
"format": "date-time",
"type": "string"
},
"lastUpdateTime": {
"description": "The last time this condition was updated.",
"format": "date-time",
"type": "string"
},
"message": {
"description": "Message is a human-readable message indicating details about the last status
change.",
"type": "string"
},
"reason": {
"description": "Reason is a (brief) reason for the last status change of the condition.",
"type": "string"
},
"status": {
"description": "Status is the status of the condition. One of True, False, Unknown.",
"type": "string"
},

```

```

    "type": {
      "description": "Type is the type of the cluster condition.",
      "type": "string"
    }
  },
  "type": "object"
},
"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"
}
},
"served": true,
"storage": true,
"subresources": {
"status": {}
}
}
]
}
}
}

```

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 <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

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

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

1.12.2.4.2. 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
apiVersion <i>required</i>	The versioned schema of the MultiClusterHub.	string
kind <i>required</i>	String value that represents the REST resource.	string
metadata <i>required</i>	Describes rules that define the resource.	object
spec <i>required</i>	The resource specification.	spec

spec

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

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

hive

additionalCertificateAuthorities <i>optional</i>	(Deprecated) A list of references to secrets in the hive namespace that contain an additional Certificate Authority to use when communicating with target clusters. These certificate authorities are used in addition to any self-signed CA generated by each cluster on installation.	object
backup <i>optional</i>	(Deprecated) Specifies the configuration for backup integration. If absent, backup integration is disabled.	backup

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

ingress

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

backup

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

failedProvisionConfig

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

status

<code>components</code> <i>optional</i>	The components of the status configuration.	object
<code>conditions</code> <i>optional</i>	Contains the different conditions for the multicluster hub.	conditions
<code>desiredVersion</code> <i>optional</i>	Indicates the desired version.	string
<code>phase</code> <i>optional</i>	Represents the active phase of the MultiClusterHub resource. The values that are used for this parameter are: Pending, Running, Installing, Updating, Uninstalling	string

conditions

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

StatusConditions

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

1.13. PLACEMENTS API (V1BETA1)

1.13.1. Overview

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

1.13.1.1. Version information

Version : 2.7.0

1.13.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.13.1.3. Tags

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

1.13.2. Paths

1.13.2.1. Query all Placements

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

1.13.2.1.1. Description

Query your Placements for more details.

1.13.2.1.2. Parameters

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

1.13.2.1.3. 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

1.13.2.1.4. Consumes

- **placement/yaml**

1.13.2.1.5. Tags

- cluster.open-cluster-management.io

1.13.2.2. Create a Placement

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

1.13.2.2.1. Description

Create a Placement.

1.13.2.2.2. Parameters

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

1.13.2.2.3. 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

1.13.2.2.4. Consumes

- **placement/yaml**

1.13.2.2.5. Tags

- cluster.open-cluster-management.io

1.13.2.2.6. Example HTTP request

1.13.2.2.6.1. Request body

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

1.13.2.3. Query a single Placement

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

1.13.2.3.1. Description

Query a single Placement for more details.

1.13.2.3.2. Parameters

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

1.13.2.3.3. Responses

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

1.13.2.3.4. Tags

- cluster.open-cluster-management.io

1.13.2.4. Delete a Placement

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

1.13.2.4.1. Description

Delete a single Placement.

1.13.2.4.2. 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	placement_name <i>required</i>	Name of the Placement that you want to delete.	string

1.13.2.4.3. 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

1.13.2.4.4. Tags

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

1.13.3. Definitions

1.13.3.1. Placement

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

spec

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

clusterPredicate

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

clusterSelector

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

clusterClaimSelector

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

prioritizerPolicy

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

prioritizerConfig

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

scoreCoordinate

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

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

toleration

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

1.14. PLACEMENTDECISIONS API (V1BETA1)

1.14.1. Overview

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

1.14.1.1. Version information

Version : 2.7.0

1.14.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.14.1.3. Tags

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

1.14.2. Paths

1.14.2.1. Query all PlacementDecisions

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

1.14.2.1.1. Description

Query your PlacementDecisions for more details.

1.14.2.1.2. Parameters

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

1.14.2.1.3. Responses

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

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

1.14.2.1.4. Consumes

- **placementdecision/yaml**

1.14.2.1.5. Tags

- cluster.open-cluster-management.io

1.14.2.2. Create a PlacementDecision

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

1.14.2.2.1. Description

Create a PlacementDecision.

1.14.2.2.2. Parameters

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

1.14.2.2.3. Responses

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

1.14.2.2.4. Consumes

- **placementdecision/yaml**

1.14.2.2.5. Tags

- cluster.open-cluster-management.io

1.14.2.2.6. Example HTTP request

1.14.2.2.6.1. Request body

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

1.14.2.3. Query a single PlacementDecision

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

1.14.2.3.1. Description

Query a single PlacementDecision for more details.

1.14.2.3.2. Parameters

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

1.14.2.3.3. Responses

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

1.14.2.3.4. Tags

- cluster.open-cluster-management.io

1.14.2.4. Delete a PlacementDecision

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

1.14.2.4.1. Description

Delete a single PlacementDecision.

1.14.2.4.2. Parameters

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

1.14.2.4.3. Responses

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

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

1.14.2.4.4. Tags

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

1.14.3. Definitions

1.14.3.1. PlacementDecision

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

PlacementStatus

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

ClusterDecision

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

1.15. DISCOVERYCONFIG API

1.15.1. Overview

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

1.15.1.1. Version information

Version : 2.7.0

1.15.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.15.1.3. Tags

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

1.15.2. Paths

1.15.2.1. Create a DiscoveryConfig

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

1.15.2.1.1. Description

Create a DiscoveryConfig.

1.15.2.1.2. Parameters

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

1.15.2.1.3. 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

1.15.2.1.4. Consumes

- **discoveryconfigs/yaml**

1.15.2.1.5. Tags

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

1.15.2.1.5.1. Request body

```
{
  "apiVersion": "apiextensions.k8s.io/v1",
  "kind": "CustomResourceDefinition",
  "metadata": {
    "annotations": {
      "controller-gen.kubebuilder.io/version": "v0.4.1",
    },
    "creationTimestamp": null,
    "name": "discoveryconfigs.discovery.open-cluster-management.io",
  },
  "spec": {
    "group": "discovery.open-cluster-management.io",
    "names": {
      "kind": "DiscoveryConfig",
      "listKind": "DiscoveryConfigList",
      "plural": "discoveryconfigs",
      "singular": "discoveryconfig"
    },
    "scope": "Namespaced",
    "versions": [
      {
        "name": "v1",
        "schema": {
          "openAPIV3Schema": {
            "description": "DiscoveryConfig is the Schema for the discoveryconfigs API",
            "properties": {
              "apiVersion": {
                "description": "APIVersion defines the versioned schema of this representation of an object."
              }
            }
          }
        }
      }
    ]
  }
}
```

Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources>,

```

    "type": "string"
  },
  "kind": {
    "description": "Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds",
    "type": "string"
  },
  "metadata": {
    "type": "object"
  },
  "spec": {
    "description": "DiscoveryConfigSpec defines the desired state of DiscoveryConfig",
    "properties": {
      "credential": {
        "description": "Credential is the secret containing credentials to connect to the OCM api on behalf of a user",
        "type": "string"
      },
      "filters": {
        "description": "Sets restrictions on what kind of clusters to discover",
        "properties": {
          "lastActive": {
            "description": "LastActive is the last active in days of clusters to discover, determined by activity timestamp",
            "type": "integer"
          }
        }
      },
      "openShiftVersions": {
        "description": "OpenShiftVersions is the list of release versions of OpenShift of the form \"<Major>.<Minor>\"",
        "items": {
          "description": "Semver represents a partial semver string with the major and minor version in the form \"<Major>.<Minor>\". For example: \"4.5\"",
          "pattern": "^(?:0|[1-9]\\d*)(?:\\.0|[1-9]\\d*)$",
          "type": "string"
        }
      }
    }
  },
  "required": [
    "credential"
  ],
  "type": "object"
},
"status": {
  "description": "DiscoveryConfigStatus defines the observed state of DiscoveryConfig",
  "type": "object"
}
},

```

```

    "type": "object"
  }
},
"served": true,
"storage": true,
"subresources": {
  "status": {}
}
}
]
},
"status": {
  "acceptedNames": {
    "kind": "",
    "plural": ""
  },
  "conditions": [],
  "storedVersions": []
}
}

```

1.15.2.2. Query all DiscoveryConfigs

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

1.15.2.2.1. Description

Query your discovery config operator for more details.

1.15.2.2.2. Parameters

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

1.15.2.2.3. Responses

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

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

1.15.2.2.4. Consumes

- **operator/yaml**

1.15.2.2.5. Tags

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

1.15.2.3. Delete a DiscoveryConfig operator

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

1.15.2.3.1. Parameters

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

1.15.2.3.2. Responses

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

HTTP Code	Description	Schema
503	Service unavailable	No Content

1.15.2.3.3. Tags

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

1.15.3. Definitions

1.15.3.1. DiscoveryConfig

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

1.15.3.2. List of specs

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

1.15.3.3. List of filters

Name	Description	Schema
lastActive <i>required</i>	LastActive is the last active in days of clusters to discover, determined by activity timestamp.	integer

Name	Description	Schema
openShiftVersions <i>optional</i>	OpenShiftVersions is the list of release versions of OpenShift of the form "<Major>.<Minor>"	object

1.16. DISCOVEREDCLUSTER API

1.16.1. Overview

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

1.16.1.1. Version information

Version : 2.7.0

1.16.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.16.1.3. Tags

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

1.16.2. Paths

1.16.2.1. Create a DiscoveredCluster

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

1.16.2.1.1. Description

Create a DiscoveredCluster.

1.16.2.1.2. Parameters

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

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

1.16.2.1.3. Responses

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

1.16.2.1.4. Consumes

- **discoveredclusters/yaml**

1.16.2.1.5. Tags

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

1.16.2.1.5.1. Request body

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

```

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

```

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

```

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

```

```

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

```

1.16.2.2. Query all DiscoveredClusters

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

1.16.2.2.1. Description

Query your discovered clusters operator for more details.

1.16.2.2.2. Parameters

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

1.16.2.2.3. Responses

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

1.16.2.2.4. Consumes

- **operator/yaml**

1.16.2.2.5. Tags

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

1.16.2.3. Delete a DiscoveredCluster operator

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

1.16.2.3.1. Parameters

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

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

1.16.2.3.2. Responses

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

1.16.2.3.3. Tags

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

1.16.3. Definitions

1.16.3.1. DiscoveredCluster

Name	Description	Schema
apiVersion <i>required</i>	The versioned schema of the discoveredclusters.	string
kind <i>required</i>	String value that represents the REST resource.	string
metadata <i>required</i>	Describes rules that define the resource.	object
spec <i>required</i>	DiscoveredClusterSpec defines the desired state of DiscoveredCluster.	See <i>List of specs</i>

1.16.3.2. List of specs

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

1.17. MANAGEDCLUSTERSET API (V1BETA1)

1.17.1. Overview

This documentation is for the ManagedClusterSet resource for Red Hat Advanced Cluster Management for Kubernetes. The ManagedClusterSet resource has four possible requests: create, query, delete, and update. ManagedClusterSet groups two or more managed clusters into a set that you can operate

together. Managed clusters that belong to a set can have similar attributes, such as shared use purposes or the same deployment region.

1.17.1.1. Version information

Version : 2.7.0

1.17.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.17.1.3. Tags

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

1.17.2. Paths

1.17.2.1. Query all managedclustersets

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

1.17.2.1.1. Description

Query your managedclustersets for more details.

1.17.2.1.2. Parameters

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

1.17.2.1.3. Responses

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

HTTP Code	Description	Schema
503	Service unavailable	No Content

1.17.2.1.4. Consumes

- `managedclusterset/yaml`

1.17.2.1.5. Tags

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

1.17.2.2. Create a managedclusterset

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

1.17.2.2.1. Description

Create a managedclusterset.

1.17.2.2.2. Parameters

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

1.17.2.2.3. Responses

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

HTTP Code	Description	Schema
503	Service unavailable	No Content

1.17.2.2.4. Consumes

- `managedclusterset/yaml`

1.17.2.2.5. Tags

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

1.17.2.2.6. Example HTTP request

1.17.2.2.6.1. Request body

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

1.17.2.3. Query a single managedclusterset

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

1.17.2.3.1. Description

Query a single managedclusterset for more details.

1.17.2.3.2. 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

Type	Name	Description	Schema
Path	managedclusterset_name <i>required</i>	Name of the managedclusterset that you want to query.	string

1.17.2.3.3. 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

1.17.2.3.4. Tags

- cluster.open-cluster-management.io

1.17.2.4. Delete a managedclusterset

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

1.17.2.4.1. Description

Delete a single managedclusterset.

1.17.2.4.2. Parameters

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

1.17.2.4.3. 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

1.17.2.4.4. Tags

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

1.17.3. Definitions

1.17.3.1. ManagedClusterSet

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