



Red Hat Advanced Cluster Management for Kubernetes 2.9

APIs

APIs

APIs

Legal Notice

Copyright © 2024 Red Hat, Inc.

The text of and illustrations in this document are licensed by Red Hat under a Creative Commons Attribution–Share Alike 3.0 Unported license ("CC-BY-SA"). An explanation of CC-BY-SA is available at

<http://creativecommons.org/licenses/by-sa/3.0/>

. In accordance with CC-BY-SA, if you distribute this document or an adaptation of it, you must provide the URL for the original version.

Red Hat, as the licensor of this document, waives the right to enforce, and agrees not to assert, Section 4d of CC-BY-SA to the fullest extent permitted by applicable law.

Red Hat, Red Hat Enterprise Linux, the Shadowman logo, the Red Hat logo, JBoss, OpenShift, Fedora, the Infinity logo, and RHCE are trademarks of Red Hat, Inc., registered in the United States and other countries.

Linux[®] is the registered trademark of Linus Torvalds in the United States and other countries.

Java[®] is a registered trademark of Oracle and/or its affiliates.

XFS[®] is a trademark of Silicon Graphics International Corp. or its subsidiaries in the United States and/or other countries.

MySQL[®] is a registered trademark of MySQL AB in the United States, the European Union and other countries.

Node.js[®] is an official trademark of Joyent. Red Hat is not formally related to or endorsed by the official Joyent Node.js open source or commercial project.

The OpenStack[®] Word Mark and OpenStack logo are either registered trademarks/service marks or trademarks/service marks of the OpenStack Foundation, in the United States and other countries and are used with the OpenStack Foundation's permission. We are not affiliated with, endorsed or sponsored by the OpenStack Foundation, or the OpenStack community.

All other trademarks are the property of their respective owners.

Abstract

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

Table of Contents

CHAPTER 1. APIS	15
1.1. CLUSTERS API	15
1.1.1. Overview	16
1.1.1.1. Version information	16
1.1.1.2. URI scheme	16
1.1.1.3. Tags	16
1.1.2. Paths	16
1.1.2.1. Query all clusters	16
1.1.2.1.1. Description	16
1.1.2.1.2. Parameters	16
1.1.2.1.3. Responses	16
1.1.2.1.4. Consumes	17
1.1.2.1.5. Tags	17
1.1.2.2. Create a cluster	17
1.1.2.2.1. Description	17
1.1.2.2.2. Parameters	17
1.1.2.2.3. Responses	17
1.1.2.2.4. Consumes	18
1.1.2.2.5. Tags	18
1.1.2.2.6. Example HTTP request	18
1.1.2.2.6.1. Request body	18
1.1.2.3. Query a single cluster	18
1.1.2.3.1. Description	18
1.1.2.3.2. Parameters	18
1.1.2.3.3. Responses	19
1.1.2.3.4. Tags	19
1.1.2.4. Delete a cluster	19
1.1.2.4.1. Description	19
1.1.2.4.2. Parameters	19
1.1.2.4.3. Responses	19
1.1.2.4.4. Tags	20
1.1.3. Definitions	20
1.1.3.1. Cluster	20
1.2. CLUSTERSETS API (VIBETA2)	21
1.2.1. Overview	21
1.2.1.1. Version information	22
1.2.1.2. URI scheme	22
1.2.1.3. Tags	22
1.2.2. Paths	22
1.2.2.1. Query all clustersets	22
1.2.2.1.1. Description	22
1.2.2.1.2. Parameters	22
1.2.2.1.3. Responses	22
1.2.2.1.4. Consumes	23
1.2.2.1.5. Tags	23
1.2.2.2. Create a clusterset	23
1.2.2.2.1. Description	23
1.2.2.2.2. Parameters	23
1.2.2.2.3. Responses	23
1.2.2.2.4. Consumes	24
1.2.2.2.5. Tags	24

1.2.2.2.6. Example HTTP request	24
1.2.2.2.6.1. Request body	24
1.2.2.3. Query a single clusterset	24
1.2.2.3.1. Description	24
1.2.2.3.2. Parameters	24
1.2.2.3.3. Responses	24
1.2.2.3.4. Tags	25
1.2.2.4. Delete a clusterset	25
1.2.2.4.1. Description	25
1.2.2.4.2. Parameters	25
1.2.2.4.3. Responses	25
1.2.2.4.4. Tags	26
1.2.3. Definitions	26
1.2.3.1. Clusterset	26
1.3. CLUSTERSETBINDINGS API (VIBETA2)	26
1.3.1. Overview	26
1.3.1.1. Version information	26
1.3.1.2. URI scheme	26
1.3.1.3. Tags	26
1.3.2. Paths	27
1.3.2.1. Query all clustersetbindings	27
1.3.2.1.1. Description	27
1.3.2.1.2. Parameters	27
1.3.2.1.3. Responses	27
1.3.2.1.4. Consumes	27
1.3.2.1.5. Tags	27
1.3.2.2. Create a clustersetbinding	27
1.3.2.2.1. Description	28
1.3.2.2.2. Parameters	28
1.3.2.2.3. Responses	28
1.3.2.2.4. Consumes	28
1.3.2.2.5. Tags	28
1.3.2.2.6. Example HTTP request	28
1.3.2.2.6.1. Request body	28
1.3.2.3. Query a single clustersetbinding	29
1.3.2.3.1. Description	29
1.3.2.3.2. Parameters	29
1.3.2.3.3. Responses	29
1.3.2.3.4. Tags	29
1.3.2.4. Delete a clustersetbinding	30
1.3.2.4.1. Description	30
1.3.2.4.2. Parameters	30
1.3.2.4.3. Responses	30
1.3.2.4.4. Tags	30
1.3.3. Definitions	30
1.3.3.1. Clustersetbinding	30
1.4. CLUSTERVIEW API (VIALPHA1)	31
1.4.1. Overview	31
1.4.1.1. Version information	31
1.4.1.2. URI scheme	31
1.4.1.3. Tags	31
1.4.2. Paths	32
1.4.2.1. Get managed clusters	32

1.4.2.1.1. Description	32
1.4.2.1.2. Parameters	32
1.4.2.1.3. Responses	32
1.4.2.1.4. Consumes	32
1.4.2.1.5. Tags	32
1.4.2.2. List managed clusters	32
1.4.2.2.1. Description	32
1.4.2.2.2. Parameters	33
1.4.2.2.3. Responses	33
1.4.2.2.4. Consumes	33
1.4.2.2.5. Tags	33
1.4.2.2.6. Example HTTP request	33
1.4.2.2.6.1. Request body	33
1.4.2.3. Watch the managed cluster sets	33
1.4.2.3.1. Description	34
1.4.2.3.2. Parameters	34
1.4.2.3.3. Responses	34
1.4.2.4. List the managed cluster sets.	34
1.4.2.4.1. Description	34
1.4.2.4.2. Parameters	34
1.4.2.4.3. Responses	35
1.4.2.5. List the managed cluster sets.	35
1.4.2.5.1. Description	35
1.4.2.5.2. Parameters	35
1.4.2.5.3. Responses	35
1.4.2.6. Watch the managed cluster sets.	36
1.4.2.6.1. Description	36
1.4.2.6.2. Parameters	36
1.4.2.6.3. Responses	36
1.5. CHANNELS API	37
1.5.1. Overview	37
1.5.1.1. Version information	37
1.5.1.2. URI scheme	37
1.5.1.3. Tags	37
1.5.2. Paths	37
1.5.2.1. Create a channel	37
1.5.2.1.1. Description	37
1.5.2.1.2. Parameters	37
1.5.2.1.3. Responses	37
1.5.2.1.4. Consumes	38
1.5.2.1.5. Tags	38
1.5.2.1.6. Example HTTP request	38
1.5.2.1.6.1. Request body	38
1.5.2.2. Query all channels for the target namespace	38
1.5.2.2.1. Description	38
1.5.2.2.2. Parameters	39
1.5.2.2.3. Responses	39
1.5.2.2.4. Consumes	39
1.5.2.2.5. Tags	39
1.5.2.3. Query a single channels of a namespace	39
1.5.2.3.1. Description	39
1.5.2.3.2. Parameters	39
1.5.2.3.3. Responses	40

1.5.2.3.4. Tags	40
1.5.2.4. Delete a Channel	40
1.5.2.4.1. Parameters	40
1.5.2.4.2. Responses	40
1.5.2.4.3. Tags	41
1.5.3. Definitions	41
1.5.3.1. Channel	41
1.6. SUBSCRIPTIONS API	45
1.6.1. Overview	45
1.6.1.1. Version information	45
1.6.1.2. URI scheme	45
1.6.1.3. Tags	45
1.6.2. Paths	46
1.6.2.1. Create a subscription	46
1.6.2.1.1. Description	46
1.6.2.1.2. Parameters	46
1.6.2.1.3. Responses	46
1.6.2.1.4. Consumes	46
1.6.2.1.5. Tags	46
1.6.2.1.6. Example HTTP request	46
1.6.2.1.6.1. Request body	47
1.6.2.2. Query all subscriptions	47
1.6.2.2.1. Description	47
1.6.2.2.2. Parameters	48
1.6.2.2.3. Responses	48
1.6.2.2.4. Consumes	48
1.6.2.2.5. Tags	48
1.6.2.3. Query a single subscription	48
1.6.2.3.1. Description	48
1.6.2.3.2. Parameters	48
1.6.2.3.3. Responses	49
1.6.2.3.4. Tags	49
1.6.2.4. Delete a subscription	49
1.6.2.4.1. Parameters	49
1.6.2.4.2. Responses	50
1.6.2.4.3. Tags	50
1.6.3. Definitions	50
1.6.3.1. Subscription	50
1.7. PLACEMENTRULES API (DEPRECATED)	56
1.7.1. Overview	56
1.7.1.1. Version information	56
1.7.1.2. URI scheme	56
1.7.1.3. Tags	56
1.7.2. Paths	56
1.7.2.1. Create a placement rule	56
1.7.2.1.1. Description	56
1.7.2.1.2. Parameters	56
1.7.2.1.3. Responses	57
1.7.2.1.4. Consumes	57
1.7.2.1.5. Tags	57
1.7.2.1.6. Example HTTP request	57
1.7.2.1.6.1. Request body	57
1.7.2.2. Query all placement rules	57

1.7.2.2.1. Description	57
1.7.2.2.2. Parameters	58
1.7.2.2.3. Responses	58
1.7.2.2.4. Consumes	58
1.7.2.2.5. Tags	58
1.7.2.3. Query a single placementrule	58
1.7.2.3.1. Description	58
1.7.2.3.2. Parameters	58
1.7.2.3.3. Responses	59
1.7.2.3.4. Tags	59
1.7.2.4. Delete a placementrule	59
1.7.2.4.1. Parameters	59
1.7.2.4.2. Responses	60
1.7.2.4.3. Tags	60
1.7.3. Definitions	60
1.7.3.1. Placementrule	60
1.8. APPLICATIONS API	63
1.8.1. Overview	63
1.8.1.1. Version information	63
1.8.1.2. URI scheme	63
1.8.1.3. Tags	63
1.8.2. Paths	63
1.8.2.1. Create a application	63
1.8.2.1.1. Description	63
1.8.2.1.2. Parameters	63
1.8.2.1.3. Responses	64
1.8.2.1.4. Consumes	64
1.8.2.1.5. Tags	64
1.8.2.1.6. Example HTTP request	64
1.8.2.1.6.1. Request body	64
1.8.2.2. Query all applications	65
1.8.2.2.1. Description	65
1.8.2.2.2. Parameters	65
1.8.2.2.3. Responses	65
1.8.2.2.4. Consumes	65
1.8.2.2.5. Tags	65
1.8.2.3. Query a single application	65
1.8.2.3.1. Description	66
1.8.2.3.2. Parameters	66
1.8.2.3.3. Responses	66
1.8.2.3.4. Tags	66
1.8.2.4. Delete a application	66
1.8.2.4.1. Parameters	66
1.8.2.4.2. Responses	67
1.8.2.4.3. Tags	67
1.8.3. Definitions	67
1.8.3.1. Application	67
1.9. HELM API	73
1.9.1. Overview	73
1.9.1.1. Version information	73
1.9.1.2. URI scheme	74
1.9.1.3. Tags	74
1.9.2. Paths	74

1.9.2.1. Create a helmrelease	74
1.9.2.1.1. Description	74
1.9.2.1.2. Parameters	74
1.9.2.1.3. Responses	74
1.9.2.1.4. Consumes	74
1.9.2.1.5. Tags	75
1.9.2.1.6. Example HTTP request	75
1.9.2.1.6.1. Request body	75
1.9.2.2. Query all helmreleases	75
1.9.2.2.1. Description	75
1.9.2.2.2. Parameters	75
1.9.2.2.3. Responses	76
1.9.2.2.4. Consumes	76
1.9.2.2.5. Tags	76
1.9.2.3. Query a single helmrelease	76
1.9.2.3.1. Description	76
1.9.2.3.2. Parameters	76
1.9.2.3.3. Responses	76
1.9.2.3.4. Tags	77
1.9.2.4. Delete a helmrelease	77
1.9.2.4.1. Parameters	77
1.9.2.4.2. Responses	77
1.9.2.4.3. Tags	78
1.9.3. Definitions	78
1.9.3.1. HelmRelease	78
1.10. POLICY API	81
1.10.1. Overview	82
1.10.1.1. Version information	82
1.10.1.2. URI scheme	82
1.10.1.3. Tags	82
1.10.2. Paths	82
1.10.2.1. Create a policy	82
1.10.2.1.1. Description	82
1.10.2.1.2. Parameters	82
1.10.2.1.3. Responses	82
1.10.2.1.4. Consumes	83
1.10.2.1.5. Tags	83
1.10.2.1.6. Example HTTP request	83
1.10.2.1.6.1. Request body	83
1.10.2.2. Query all policies	85
1.10.2.2.1. Description	85
1.10.2.2.2. Parameters	85
1.10.2.2.3. Responses	85
1.10.2.2.4. Consumes	85
1.10.2.2.5. Tags	85
1.10.2.3. Query a single policy	86
1.10.2.3.1. Description	86
1.10.2.3.2. Parameters	86
1.10.2.3.3. Responses	86
1.10.2.3.4. Tags	86
1.10.2.4. Delete a policy	86
1.10.2.4.1. Parameters	86
1.10.2.4.2. Responses	87

1.10.2.4.3. Tags	87
1.10.3. Definitions	87
1.10.3.1. Policy	87
1.11. OBSERVABILITY API	89
1.11.1. Overview	89
1.11.1.1. Version information	89
1.11.1.2. URI scheme	89
1.11.1.3. Tags	89
1.11.2. Paths	89
1.11.2.1. Create a multiclusterobservability resource	89
1.11.2.1.1. Description	89
1.11.2.1.2. Parameters	90
1.11.2.1.3. Responses	90
1.11.2.1.4. Consumes	90
1.11.2.1.5. Tags	90
1.11.2.1.6. Example HTTP request	90
1.11.2.1.6.1. Request body	90
1.11.2.2. Query all multiclusterobservabilities	91
1.11.2.2.1. Description	91
1.11.2.2.2. Parameters	91
1.11.2.2.3. Responses	91
1.11.2.2.4. Consumes	91
1.11.2.2.5. Tags	91
1.11.2.3. Query a single multiclusterobservability	92
1.11.2.3.1. Description	92
1.11.2.3.2. Parameters	92
1.11.2.3.3. Responses	92
1.11.2.3.4. Tags	92
1.11.2.4. Delete a multiclusterobservability resource	92
1.11.2.4.1. Parameters	92
1.11.2.4.2. Responses	93
1.11.2.4.3. Tags	93
1.11.3. Definitions	93
1.11.3.1. MultiClusterObservability	93
1.12. SEARCH QUERY API	100
1.12.1. Overview	100
1.12.1.1. Version information	101
1.12.1.2. URI scheme	101
1.12.1.3. Configure API access	101
1.12.2. Schema design	101
1.12.2.1. Description table of query inputs	101
1.12.2.2. Schema example	102
1.12.3. Generic schema	102
1.12.4. Supported queries	103
1.12.4.1. Search for deployments	103
1.12.4.2. Search for pods	103
1.13. MULTICLUSTERHUB API	103
1.13.1. Overview	104
1.13.1.1. Version information	104
1.13.1.2. URI scheme	104
1.13.1.3. Tags	104
1.13.2. Paths	104
1.13.2.1. Create a MultiClusterHub resource	104

1.13.2.1.1. Description	104
1.13.2.1.2. Parameters	104
1.13.2.1.3. Responses	104
1.13.2.1.4. Consumes	105
1.13.2.1.5. Tags	105
1.13.2.1.6. Example HTTP request	105
1.13.2.1.6.1. Request body	105
1.13.2.2. Query all MultiClusterHubs	111
1.13.2.2.1. Description	112
1.13.2.2.2. Parameters	112
1.13.2.2.3. Responses	112
1.13.2.2.4. Consumes	112
1.13.2.2.5. Tags	112
1.13.2.3. Query a MultiClusterHub operator	112
1.13.2.3.1. Description	112
1.13.2.3.2. Parameters	113
1.13.2.3.3. Responses	113
1.13.2.3.4. Tags	113
1.13.2.4. Delete a MultiClusterHub operator	113
1.13.2.4.1. Parameters	113
1.13.2.4.2. Responses	114
1.13.2.4.3. Tags	114
1.13.3. Definitions	114
1.13.3.1. Multicluster hub operator	114
1.14. PLACEMENT API (V1BETA1)	119
1.14.1. Overview	119
1.14.1.1. Version information	119
1.14.1.2. URI scheme	119
1.14.1.3. Tags	119
1.14.2. Paths	119
1.14.2.1. Query all Placements	119
1.14.2.1.1. Description	119
1.14.2.1.2. Parameters	119
1.14.2.1.3. Responses	119
1.14.2.1.4. Consumes	120
1.14.2.1.5. Tags	120
1.14.2.2. Create a Placement	120
1.14.2.2.1. Description	120
1.14.2.2.2. Parameters	120
1.14.2.2.3. Responses	120
1.14.2.2.4. Consumes	121
1.14.2.2.5. Tags	121
1.14.2.2.6. Example HTTP request	121
1.14.2.2.6.1. Request body	121
1.14.2.3. Query a single Placement	121
1.14.2.3.1. Description	121
1.14.2.3.2. Parameters	122
1.14.2.3.3. Responses	122
1.14.2.3.4. Tags	122
1.14.2.4. Delete a Placement	122
1.14.2.4.1. Description	122
1.14.2.4.2. Parameters	122
1.14.2.4.3. Responses	123

1.14.2.4.4. Tags	123
1.14.3. Definitions	123
1.14.3.1. Placement	123
1.15. PLACEMENTDECISIONS API (VIBETA1)	126
1.15.1. Overview	127
1.15.1.1. Version information	127
1.15.1.2. URI scheme	127
1.15.1.3. Tags	127
1.15.2. Paths	127
1.15.2.1. Query all PlacementDecisions	127
1.15.2.1.1. Description	127
1.15.2.1.2. Parameters	127
1.15.2.1.3. Responses	127
1.15.2.1.4. Consumes	128
1.15.2.1.5. Tags	128
1.15.2.2. Create a PlacementDecision	128
1.15.2.2.1. Description	128
1.15.2.2.2. Parameters	128
1.15.2.2.3. Responses	128
1.15.2.2.4. Consumes	129
1.15.2.2.5. Tags	129
1.15.2.2.6. Example HTTP request	129
1.15.2.2.6.1. Request body	129
1.15.2.3. Query a single PlacementDecision	129
1.15.2.3.1. Description	129
1.15.2.3.2. Parameters	129
1.15.2.3.3. Responses	129
1.15.2.3.4. Tags	130
1.15.2.4. Delete a PlacementDecision	130
1.15.2.4.1. Description	130
1.15.2.4.2. Parameters	130
1.15.2.4.3. Responses	130
1.15.2.4.4. Tags	131
1.15.3. Definitions	131
1.15.3.1. PlacementDecision	131
1.16. DISCOVERYCONFIG API	132
1.16.1. Overview	132
1.16.1.1. Version information	132
1.16.1.2. URI scheme	132
1.16.1.3. Tags	132
1.16.2. Paths	132
1.16.2.1. Create a DiscoveryConfig	132
1.16.2.1.1. Description	132
1.16.2.1.2. Parameters	132
1.16.2.1.3. Responses	132
1.16.2.1.4. Consumes	133
1.16.2.1.5. Tags	133
1.16.2.1.5.1. Request body	133
1.16.2.2. Query all DiscoveryConfigs	135
1.16.2.2.1. Description	135
1.16.2.2.2. Parameters	135
1.16.2.2.3. Responses	135
1.16.2.2.4. Consumes	136

1.16.2.2.5. Tags	136
1.16.2.3. Delete a DiscoveryConfig operator	136
1.16.2.3.1. Parameters	136
1.16.2.3.2. Responses	136
1.16.2.3.3. Tags	137
1.16.3. Definitions	137
1.16.3.1. DiscoveryConfig	137
1.16.3.2. List of specs	137
1.16.3.3. List of filters	137
1.17. DISCOVEREDCLUSTER API	138
1.17.1. Overview	138
1.17.1.1. Version information	138
1.17.1.2. URI scheme	138
1.17.1.3. Tags	138
1.17.2. Paths	138
1.17.2.1. Create a DiscoveredCluster	138
1.17.2.1.1. Description	138
1.17.2.1.2. Parameters	138
1.17.2.1.3. Responses	139
1.17.2.1.4. Consumes	139
1.17.2.1.5. Tags	139
1.17.2.1.5.1. Request body	139
1.17.2.2. Query all DiscoveredClusters	142
1.17.2.2.1. Description	142
1.17.2.2.2. Parameters	143
1.17.2.2.3. Responses	143
1.17.2.2.4. Consumes	143
1.17.2.2.5. Tags	143
1.17.2.3. Delete a DiscoveredCluster operator	143
1.17.2.3.1. Parameters	143
1.17.2.3.2. Responses	144
1.17.2.3.3. Tags	144
1.17.3. Definitions	144
1.17.3.1. DiscoveredCluster	144
1.17.3.2. List of specs	145
1.18. ADDONDEPLOYMENTCONFIG API (V1ALPHA1)	145
1.18.1. Overview	145
1.18.1.1. Version information	146
1.18.1.2. URI scheme	146
1.18.1.3. Tags	146
1.18.2. Paths	146
1.18.2.1. Query all AddOnDeploymentConfigs	146
1.18.2.1.1. Description	146
1.18.2.1.2. Parameters	146
1.18.2.1.3. Responses	146
1.18.2.1.4. Consumes	146
1.18.2.1.5. Tags	147
1.18.2.2. Create a AddOnDeploymentConfig	147
1.18.2.2.1. Description	147
1.18.2.2.2. Parameters	147
1.18.2.2.3. Responses	147
1.18.2.2.4. Consumes	147
1.18.2.2.5. Tags	147

1.18.2.2.6. Example HTTP request	148
1.18.2.2.6.1. Request body	148
1.18.2.3. Query a single AddOnDeploymentConfig	148
1.18.2.3.1. Description	148
1.18.2.3.2. Parameters	148
1.18.2.3.3. Responses	148
1.18.2.3.4. Tags	149
1.18.2.4. Delete a AddOnDeploymentConfig	149
1.18.2.4.1. Description	149
1.18.2.4.2. Parameters	149
1.18.2.4.3. Responses	149
1.18.2.4.4. Tags	150
1.18.3. Definitions	150
1.18.3.1. AddOnDeploymentConfig	150
1.19. CLUSTERMANAGEMENTADDON API (V1ALPHA1)	151
1.19.1. Overview	151
1.19.1.1. Version information	151
1.19.1.2. URI scheme	151
1.19.1.3. Tags	151
1.19.2. Paths	152
1.19.2.1. Query all ClusterManagementAddOns	152
1.19.2.1.1. Description	152
1.19.2.1.2. Parameters	152
1.19.2.1.3. Responses	152
1.19.2.1.4. Consumes	152
1.19.2.1.5. Tags	152
1.19.2.2. Create a ClusterManagementAddOn	152
1.19.2.2.1. Description	152
1.19.2.2.2. Parameters	153
1.19.2.2.3. Responses	153
1.19.2.2.4. Consumes	153
1.19.2.2.5. Tags	153
1.19.2.2.6. Example HTTP request	153
1.19.2.2.6.1. Request body	153
1.19.2.3. Query a single ClusterManagementAddOn	154
1.19.2.3.1. Description	154
1.19.2.3.2. Parameters	154
1.19.2.3.3. Responses	154
1.19.2.3.4. Tags	154
1.19.2.4. Delete a ClusterManagementAddOn	155
1.19.2.4.1. Description	155
1.19.2.4.2. Parameters	155
1.19.2.4.3. Responses	155
1.19.2.4.4. Tags	155
1.19.3. Definitions	155
1.19.3.1. ClusterManagementAddOn	155
1.20. MANAGEDCLUSTERADDON API (V1ALPHA1)	157
1.20.1. Overview	157
1.20.1.1. Version information	157
1.20.1.2. URI scheme	157
1.20.1.3. Tags	157
1.20.2. Paths	157
1.20.2.1. Query all ManagedClusterAddOns	157

1.20.2.1.1. Description	158
1.20.2.1.2. Parameters	158
1.20.2.1.3. Responses	158
1.20.2.1.4. Consumes	158
1.20.2.1.5. Tags	158
1.20.2.2. Create a ManagedClusterAddOn	158
1.20.2.2.1. Description	158
1.20.2.2.2. Parameters	158
1.20.2.2.3. Responses	159
1.20.2.2.4. Consumes	159
1.20.2.2.5. Tags	159
1.20.2.2.6. Example HTTP request	159
1.20.2.2.6.1. Request body	159
1.20.2.3. Query a single ManagedClusterAddOn	160
1.20.2.3.1. Description	160
1.20.2.3.2. Parameters	160
1.20.2.3.3. Responses	160
1.20.2.3.4. Tags	160
1.20.2.4. Delete a ManagedClusterAddOn	160
1.20.2.4.1. Description	161
1.20.2.4.2. Parameters	161
1.20.2.4.3. Responses	161
1.20.2.4.4. Tags	161
1.20.3. Definitions	161
1.20.3.1. ManagedClusterAddOn	161
1.21. MANAGEDCLUSTERSET API (VIBETA2)	162
1.21.1. Overview	163
1.21.1.1. Version information	163
1.21.1.2. URI scheme	163
1.21.1.3. Tags	163
1.21.2. Paths	163
1.21.2.1. Query all managedclustersets	163
1.21.2.1.1. Description	163
1.21.2.1.2. Parameters	163
1.21.2.1.3. Responses	163
1.21.2.1.4. Consumes	164
1.21.2.1.5. Tags	164
1.21.2.2. Create a managedclusterset	164
1.21.2.2.1. Description	164
1.21.2.2.2. Parameters	164
1.21.2.2.3. Responses	164
1.21.2.2.4. Consumes	165
1.21.2.2.5. Tags	165
1.21.2.2.6. Example HTTP request	165
1.21.2.2.6.1. Request body	165
1.21.2.3. Query a single managedclusterset	165
1.21.2.3.1. Description	165
1.21.2.3.2. Parameters	165
1.21.2.3.3. Responses	166
1.21.2.3.4. Tags	166
1.21.2.4. Delete a managedclusterset	166
1.21.2.4.1. Description	166
1.21.2.4.2. Parameters	166

1.21.2.4.3. Responses	167
1.21.2.4.4. Tags	167
1.21.3. Definitions	167
1.21.3.1. ManagedClusterSet	167
1.22. KLUSTERLETCONFIG API (V1ALPHA1)	167
1.22.1. Overview	168
1.22.1.1. Version information	168
1.22.1.2. URI scheme	168
1.22.1.3. Tags	168
1.22.2. Paths	168
1.22.2.1. Query all KlusterletConfig	168
1.22.2.1.1. Description	168
1.22.2.1.2. Parameters	168
1.22.2.1.3. Responses	168
1.22.2.1.4. Consumes	169
1.22.2.1.5. Tags	169
1.22.2.2. Create a KlusterletConfig	169
1.22.2.2.1. Description	169
1.22.2.2.2. Parameters	169
1.22.2.2.3. Responses	169
1.22.2.2.4. Consumes	170
1.22.2.2.5. Tags	170
1.22.2.2.6. Example HTTP request	170
1.22.2.2.6.1. Request body	170
1.22.2.3. Query a single KlusterletConfig	174
1.22.2.3.1. Description	174
1.22.2.3.2. Parameters	174
1.22.2.3.3. Responses	174
1.22.2.3.4. Tags	175
1.22.2.4. Delete a KlusterletConfig	175
1.22.2.4.1. Description	175
1.22.2.4.2. Parameters	175
1.22.2.4.3. Responses	175
1.22.2.4.4. Tags	175
1.22.3. Definitions	176
1.22.3.1. KlusterletConfig	176

CHAPTER 1. APIS

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

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

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

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

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

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 : 2.9.0

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

HTTP Code	Description	Schema
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
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

HTTP Code	Description	Schema
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 kuberneteslet 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

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

taint

Name	Description	Schema
key <i>required</i>	The taint key that is applied to a cluster.	string
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 : 2.9.0

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

HTTP Code	Description	Schema
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

HTTP Code	Description	Schema
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 : 2.9.0

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
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 : 2.9.0

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
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

Type	Name	Description	Schema
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

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

1.4.2.6. 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 : 2.9.0

1.5.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.5.1.3. Tags

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

1.5.2. Paths

1.5.2.1. Create a channel

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

1.5.2.1.1. Description

Create a channel.

1.5.2.1.2. Parameters

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

1.5.2.1.3. Responses

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

1.5.2.1.4. Consumes

- **application/yaml**

1.5.2.1.5. Tags

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

1.5.2.1.6. Example HTTP request

1.5.2.1.6.1. Request body

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

1.5.2.2. Query all channels for the target namespace

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

1.5.2.2.1. Description

Query your channels for more details.

1.5.2.2.2. Parameters

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

1.5.2.2.3. Responses

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

1.5.2.2.4. Consumes

- **application/yaml**

1.5.2.2.5. Tags

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

1.5.2.3. Query a single channels of a namespace

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

1.5.2.3.1. Description

Query a single channels for more details.

1.5.2.3.2. Parameters

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

Type	Name	Description	Schema
Path	channel_name <i>required</i>	Name of the deployable that you wan to query.	string
Path	namespace <i>required</i>	Namespace that you want to use, for example, default.	string

1.5.2.3.3. Responses

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

1.5.2.3.4. Tags

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

1.5.2.4. Delete a Channel

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

1.5.2.4.1. Parameters

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

1.5.2.4.2. Responses

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

1.5.2.4.3. Tags

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

1.5.3. Definitions

1.5.3.1. Channel

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

Name	Description	Schema
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>

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

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

labelSelector

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

matchExpressions

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

secretRef

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

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

1.6. SUBSCRIPTIONS API

1.6.1. Overview

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

Deprecated: PlacementRule

1.6.1.1. Version information

Version : 2.9.0

1.6.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.6.1.3. Tags

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

1.6.2. Paths

1.6.2.1. Create a subscription

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

1.6.2.1.1. Description

Create a subscription.

1.6.2.1.2. Parameters

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

1.6.2.1.3. Responses

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

1.6.2.1.4. Consumes

- **subscription/yaml**

1.6.2.1.5. Tags

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

1.6.2.1.6. Example HTTP request

1.6.2.1.6.1. Request body

```

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

```

1.6.2.2. Query all subscriptions

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

1.6.2.2.1. Description

Query your subscriptions for more details.

1.6.2.2.2. Parameters

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

1.6.2.2.3. Responses

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

1.6.2.2.4. Consumes

- **subscription/yaml**

1.6.2.2.5. Tags

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

1.6.2.3. Query a single subscription

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

1.6.2.3.1. Description

Query a single subscription for more details.

1.6.2.3.2. Parameters

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

1.6.2.3.3. Responses

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

1.6.2.3.4. Tags

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

1.6.2.4. Delete a subscription

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

1.6.2.4.1. Parameters

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

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

1.6.2.4.2. Responses

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

1.6.2.4.3. Tags

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

1.6.3. Definitions

1.6.3.1. Subscription

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

metadata

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

spec

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

overrides

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

Name	Schema
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

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

packageOverrides

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

placement

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

clusterSelector

Name	Schema
matchExpressions <i>optional</i>	matchExpressions array

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

matchExpressions

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

clusters

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

placementRef

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

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

timewindow

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

hours

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

status

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

Name	Schema
statuses <i>optional</i>	object

1.7. PLACEMENTRULES API (DEPRECATED)

1.7.1. Overview

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

1.7.1.1. Version information

Version : 2.9.0

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
------	------	-------------	--------

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

1.7.2.3.3. Responses

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

1.7.2.3.4. Tags

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

1.7.2.4. Delete a placementrule

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

1.7.2.4.1. Parameters

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

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

1.7.2.4.2. Responses

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

1.7.2.4.3. Tags

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

1.7.3. Definitions

1.7.3.1. Placementrule

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

spec

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

clusterConditions

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

clusterSelector

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

matchExpressions

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

clusters

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

policies

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

resourceHint

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

1.8. APPLICATIONS API

1.8.1. Overview

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

1.8.1.1. Version information

Version : 2.9.0

1.8.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.8.1.3. Tags

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

1.8.2. Paths

1.8.2.1. Create a application

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

1.8.2.1.1. Description

Create a application.

1.8.2.1.2. Parameters

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

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

1.8.2.1.3. Responses

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

1.8.2.1.4. Consumes

- **application/yaml**

1.8.2.1.5. Tags

- applications.app.k8s.io

1.8.2.1.6. Example HTTP request

1.8.2.1.6.1. Request body

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

```

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

```

1.8.2.2. Query all applications

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

1.8.2.2.1. Description

Query your applications for more details.

1.8.2.2.2. Parameters

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

1.8.2.2.3. Responses

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

1.8.2.2.4. Consumes

- **application/yaml**

1.8.2.2.5. Tags

- applications.app.k8s.io

1.8.2.3. Query a single application

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

1.8.2.3.1. Description

Query a single application for more details.

1.8.2.3.2. Parameters

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

1.8.2.3.3. Responses

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

1.8.2.3.4. Tags

- applications.app.k8s.io

1.8.2.4. Delete a application

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

1.8.2.4.1. Parameters

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

1.8.2.4.2. Responses

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

1.8.2.4.3. Tags

- applications.app.k8s.io

1.8.3. Definitions

1.8.3.1. Application

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

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

spec

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

descriptor

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

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

icons

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

links

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

maintainers

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

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

owners

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

info

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

valueFrom

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

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

configMapKeyRef

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

ingressRef

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

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

secretKeyRef

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

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

serviceRef

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

1.9. HELM API

1.9.1. Overview

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

1.9.1.1. Version information

Version : 2.9.0

1.9.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.9.1.3. Tags

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

1.9.2. Paths

1.9.2.1. Create a helmrelease

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

1.9.2.1.1. Description

Create a helmrelease.

1.9.2.1.2. Parameters

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

1.9.2.1.3. Responses

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

1.9.2.1.4. Consumes

- **application/yaml**

1.9.2.1.5. Tags

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

1.9.2.1.6. Example HTTP request

1.9.2.1.6.1. Request body

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

1.9.2.2. Query all helmreleases

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

1.9.2.2.1. Description

Query your helmreleases for more details.

1.9.2.2.2. Parameters

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

1.9.2.2.3. Responses

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

1.9.2.2.4. Consumes

- **application/yaml**

1.9.2.2.5. Tags

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

1.9.2.3. Query a single helmrelease

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

1.9.2.3.1. Description

Query a single helmrelease for more details.

1.9.2.3.2. Parameters

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

1.9.2.3.3. Responses

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

1.9.2.3.4. Tags

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

1.9.2.4. Delete a helmrelease

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

1.9.2.4.1. Parameters

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

1.9.2.4.2. Responses

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

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

1.9.2.4.3. Tags

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

1.9.3. Definitions

1.9.3.1. HelmRelease

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

repo

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

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

configMapRef

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

secretRef

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

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

source

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

github

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

helmRepo

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

status

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

conditions

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

deployedRelease

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

1.10. POLICY API

1.10.1. Overview

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

1.10.1.1. Version information

Version : 2.9.0

1.10.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.10.1.3. Tags

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

1.10.2. Paths

1.10.2.1. Create a policy

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

1.10.2.1.1. Description

Create a policy.

1.10.2.1.2. Parameters

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

1.10.2.1.3. Responses

HTTP Code	Description	Schema
200	Success	No Content

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

1.10.2.1.4. Consumes

- **application/json**

1.10.2.1.5. Tags

- policy.open-cluster-management.io

1.10.2.1.6. Example HTTP request

1.10.2.1.6.1. Request body

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

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


1.10.2.3. Query a single policy

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

1.10.2.3.1. Description

Query a single policy for more details.

1.10.2.3.2. Parameters

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

1.10.2.3.3. Responses

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

1.10.2.3.4. Tags

- policy.open-cluster-management.io

1.10.2.4. Delete a policy

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

1.10.2.4.1. Parameters

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

1.10.2.4.2. Responses

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

1.10.2.4.3. Tags

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

1.10.3. Definitions

1.10.3.1. Policy

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

spec

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

policy-templates

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

clusterConditions

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

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

rules

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

1.11. OBSERVABILITY API

1.11.1. Overview

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

1.11.1.1. Version information

Version : 2.9.0

1.11.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.11.1.3. Tags

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

1.11.2. Paths

1.11.2.1. Create a multiclusterobservability resource

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

1.11.2.1.1. Description

Create a MultiClusterObservability resource.

1.11.2.1.2. Parameters

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

1.11.2.1.3. Responses

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

1.11.2.1.4. Consumes

- **application/yaml**

1.11.2.1.5. Tags

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

1.11.2.1.6. Example HTTP request

1.11.2.1.6.1. Request body

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

```

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

```

1.11.2.2. Query all multiclusterobservabilities

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

1.11.2.2.1. Description

Query your MultiClusterObservability resources for more details.

1.11.2.2.2. Parameters

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

1.11.2.2.3. Responses

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

1.11.2.2.4. Consumes

- **application/yaml**

1.11.2.2.5. Tags

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

1.11.2.3. Query a single multiclusterobservability

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

1.11.2.3.1. Description

Query a single MultiClusterObservability resource for more details.

1.11.2.3.2. Parameters

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

1.11.2.3.3. Responses

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

1.11.2.3.4. Tags

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

1.11.2.4. Delete a multiclusterobservability resource

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

1.11.2.4.1. Parameters

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

1.11.2.4.2. Responses

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

1.11.2.4.3. Tags

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

1.11.3. Definitions

1.11.3.1. MultiClusterObservability

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

spec

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

storageConfig

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

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

writeStorage

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

metricObjectStorage

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

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

observabilityAddonSpec

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

advanced

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

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

retentionConfig

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

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

CompactSpec

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

storeMemcached

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

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

status

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

CommonSpec

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

QuerySpec

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

ReceiveSpec

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

StoreSpec

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

RuleSpec

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

1.12. SEARCH QUERY API

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

1.12.1. Overview

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

1.12.1.1. Version information

Version : 2.9.0

1.12.1.2. URI scheme

BasePath : /searchapi/graphql

Schemes : HTTPS

1.12.1.3. Configure API access

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

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

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

1.12.2. Schema design

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

Parameters with ! indicates that the field is required.

1.12.2.1. Description table of query inputs

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

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

1.12.2.2. Schema example

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

1.12.3. Generic schema

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

```

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

```

1.12.4. Supported queries

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

1.12.4.1. Search for deployments

Query:

```

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

```

Variables:

```

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

```

1.12.4.2. Search for pods

Query:

```

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

```

Variables:

```

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

```

1.13. MULTICLUSTERHUB API

1.13.1. Overview

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

1.13.1.1. Version information

Version : 2.9.0

1.13.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.13.1.3. Tags

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

1.13.2. Paths

1.13.2.1. Create a MultiClusterHub resource

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

1.13.2.1.1. Description

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

1.13.2.1.2. Parameters

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

1.13.2.1.3. Responses

HTTP Code	Description	Schema
200	Success	No Content

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

1.13.2.1.4. Consumes

- `multiclusterhubs/yaml`

1.13.2.1.5. Tags

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

1.13.2.1.6. Example HTTP request

1.13.2.1.6.1. Request body

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

```

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

```

```

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

```

Route53. It needs permission to manage entries in each of the managed domains for this cluster.

Secret should have AWS keys named 'aws_access_key_id' and 'aws_secret_access_key'.",

```

    "properties": {
      "name": {
        "description": "Name of the referent. More info:
https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names",
        "type": "string"
      }
    },
    "type": "object"
  },
  "type": "object"
},
"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"
},
"failedProvisionConfig": {
  "description": "(Deprecated) FailedProvisionConfig is used to configure settings related to handling
provision failures.",
  "properties": {
    "skipGatherLogs": {
      "description": "(Deprecated) SkipGatherLogs disables functionality that attempts to gather full logs
from the cluster if an installation fails for any reason. The logs are stored in a persistent volume for up
to seven days.",
      "type": "boolean"
    }
  },
  "type": "object"
},
"globalPullSecret": {
  "description": "(Deprecated) GlobalPullSecret is used to specify a pull secret that is used globally by
all of the cluster deployments. For each cluster deployment, the contents of GlobalPullSecret are
merged with the specific pull secret for a cluster deployment(if specified), with precedence given to
the contents of the pull secret for the cluster deployment.",
  "properties": {

```



```

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

```

```

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

```

```

    "format": "date-time",
    "type": "string"
  },
  "message": {
    "description": "Message is a human-readable message indicating details about the last status
change.",
    "type": "string"
  },
  "reason": {
    "description": "Reason is a (brief) reason for the last status change of the condition.",
    "type": "string"
  },
  "status": {
    "description": "Status is the status of the condition. One of True, False, Unknown.",
    "type": "string"
  },
  "type": {
    "description": "Type is the type of the cluster condition.",
    "type": "string"
  }
},
  "type": "object"
},
  "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": {}
  }
}
]
}
}

```

1.13.2.2. Query all MultiClusterHubs

-

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

1.13.2.2.1. Description

Query your multicluster hub operator for more details.

1.13.2.2.2. Parameters

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

1.13.2.2.3. Responses

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

1.13.2.2.4. Consumes

- **operator/yaml**

1.13.2.2.5. Tags

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

1.13.2.3. Query a MultiClusterHub operator

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

1.13.2.3.1. Description

Query a single multicluster hub operator for more details.

1.13.2.3.2. Parameters

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

1.13.2.3.3. Responses

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

1.13.2.3.4. Tags

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

1.13.2.4. Delete a MultiClusterHub operator

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

1.13.2.4.1. Parameters

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

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

1.13.2.4.2. Responses

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

1.13.2.4.3. Tags

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

1.13.3. Definitions

1.13.3.1. Multicluster hub operator

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

spec

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

hive

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

ingress

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

backup

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

failedProvisionConfig

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

status

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

conditions

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

StatusConditions

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

1.14. PLACEMENT API (V1BETA1)

1.14.1. Overview

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

1.14.1.1. Version information

Version : 2.9.0

1.14.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.14.1.3. Tags

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

1.14.2. Paths

1.14.2.1. Query all Placements

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

1.14.2.1.1. Description

Query your Placements for more details.

1.14.2.1.2. Parameters

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

1.14.2.1.3. Responses

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

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

1.14.2.1.4. Consumes

- `placement/yaml`

1.14.2.1.5. Tags

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

1.14.2.2. Create a Placement

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

1.14.2.2.1. Description

Create a Placement.

1.14.2.2.2. Parameters

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

1.14.2.2.3. Responses

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

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

1.14.2.2.4. Consumes

- **placement/yaml**

1.14.2.2.5. Tags

- cluster.open-cluster-management.io

1.14.2.2.6. Example HTTP request

1.14.2.2.6.1. Request body

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

1.14.2.3. Query a single Placement

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

1.14.2.3.1. Description

Query a single Placement for more details.

1.14.2.3.2. Parameters

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

1.14.2.3.3. Responses

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

1.14.2.3.4. Tags

- cluster.open-cluster-management.io

1.14.2.4. Delete a Placement

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

1.14.2.4.1. Description

Delete a single Placement.

1.14.2.4.2. Parameters

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

Type	Name	Description	Schema
Path	placement_name <i>required</i>	Name of the Placement that you want to delete.	string

1.14.2.4.3. Responses

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

1.14.2.4.4. Tags

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

1.14.3. Definitions

1.14.3.1. Placement

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

spec

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

clusterPredicate

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

clusterSelector

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

clusterClaimSelector

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

prioritizerPolicy

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

prioritizerConfig

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

scoreCoordinate

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

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

toleration

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

1.15. PLACEMENTDECISIONS API (V1BETA1)

1.15.1. Overview

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

1.15.1.1. Version information

Version : 2.9.0

1.15.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.15.1.3. Tags

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

1.15.2. Paths

1.15.2.1. Query all PlacementDecisions

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

1.15.2.1.1. Description

Query your PlacementDecisions for more details.

1.15.2.1.2. Parameters

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

1.15.2.1.3. Responses

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

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

1.15.2.1.4. Consumes

- **placementdecision/yaml**

1.15.2.1.5. Tags

- cluster.open-cluster-management.io

1.15.2.2. Create a PlacementDecision

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

1.15.2.2.1. Description

Create a PlacementDecision.

1.15.2.2.2. Parameters

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

1.15.2.2.3. Responses

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

1.15.2.2.4. Consumes

- **placementdecision/yaml**

1.15.2.2.5. Tags

- cluster.open-cluster-management.io

1.15.2.2.6. Example HTTP request

1.15.2.2.6.1. Request body

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

1.15.2.3. Query a single PlacementDecision

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

1.15.2.3.1. Description

Query a single PlacementDecision for more details.

1.15.2.3.2. Parameters

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

1.15.2.3.3. Responses

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

1.15.2.3.4. Tags

- cluster.open-cluster-management.io

1.15.2.4. Delete a PlacementDecision

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

1.15.2.4.1. Description

Delete a single PlacementDecision.

1.15.2.4.2. Parameters

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

1.15.2.4.3. Responses

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

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

1.15.2.4.4. Tags

- cluster.open-cluster-management.io

1.15.3. Definitions

1.15.3.1. PlacementDecision

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

PlacementStatus

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

ClusterDecision

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

1.16. DISCOVERYCONFIG API

1.16.1. Overview

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

1.16.1.1. Version information

Version : 2.9.0

1.16.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.16.1.3. Tags

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

1.16.2. Paths

1.16.2.1. Create a DiscoveryConfig

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

1.16.2.1.1. Description

Create a DiscoveryConfig.

1.16.2.1.2. Parameters

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

1.16.2.1.3. Responses

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

1.16.2.1.4. Consumes

- **discoveryconfigs/yaml**

1.16.2.1.5. Tags

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

1.16.2.1.5.1. Request body

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

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

```

    "type": "string"
  },
  "kind": {
    "description": "Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds",
    "type": "string"
  },
  "metadata": {
    "type": "object"
  },
  "spec": {
    "description": "DiscoveryConfigSpec defines the desired state of DiscoveryConfig",
    "properties": {
      "credential": {
        "description": "Credential is the secret containing credentials to connect to the OCM api on behalf of a user",
        "type": "string"
      },
      "filters": {
        "description": "Sets restrictions on what kind of clusters to discover",
        "properties": {
          "lastActive": {
            "description": "LastActive is the last active in days of clusters to discover, determined by activity timestamp",
            "type": "integer"
          }
        }
      },
      "openShiftVersions": {
        "description": "OpenShiftVersions is the list of release versions of OpenShift of the form \"<Major>.<Minor>\"",
        "items": {
          "description": "Semver represents a partial semver string with the major and minor version in the form \"<Major>.<Minor>\". For example: \"4.12\"",
          "pattern": "^(?:0|[1-9]\\d*)(?:0|[1-9]\\d*)$",
          "type": "string"
        }
      }
    }
  },
  "type": "object"
},
"required": [
  "credential"
],
"type": "object"
},
"status": {
  "description": "DiscoveryConfigStatus defines the observed state of DiscoveryConfig",
  "type": "object"
}
},

```

```

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

```

1.16.2.2. Query all DiscoveryConfigs

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

1.16.2.2.1. Description

Query your discovery config operator for more details.

1.16.2.2.2. Parameters

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

1.16.2.2.3. Responses

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

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

1.16.2.2.4. Consumes

- **operator/yaml**

1.16.2.2.5. Tags

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

1.16.2.3. Delete a DiscoveryConfig operator

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

1.16.2.3.1. Parameters

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

1.16.2.3.2. Responses

HTTP Code	Description	Schema
200	Success	No Content
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

1.16.2.3.3. Tags

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

1.16.3. Definitions

1.16.3.1. DiscoveryConfig

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

1.16.3.2. List of specs

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

1.16.3.3. List of filters

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

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

1.17. DISCOVEREDCLUSTER API

1.17.1. Overview

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

1.17.1.1. Version information

Version : 2.9.0

1.17.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.17.1.3. Tags

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

1.17.2. Paths

1.17.2.1. Create a DiscoveredCluster

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

1.17.2.1.1. Description

Create a DiscoveredCluster.

1.17.2.1.2. Parameters

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

1.17.2.1.3. Responses

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

1.17.2.1.4. Consumes

- **discoveredclusters/yaml**

1.17.2.1.5. Tags

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

1.17.2.1.5.1. Request body

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

```

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

```


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

```

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

```

```

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

```

1.17.2.2. Query all DiscoveredClusters

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

1.17.2.2.1. Description

Query your discovered clusters operator for more details.

1.17.2.2.2. Parameters

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

1.17.2.2.3. Responses

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

1.17.2.2.4. Consumes

- **operator/yaml**

1.17.2.2.5. Tags

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

1.17.2.3. Delete a DiscoveredCluster operator

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

1.17.2.3.1. Parameters

Type	Name	Description	Schema
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

1.17.2.3.2. Responses

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

1.17.2.3.3. Tags

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

1.17.3. Definitions

1.17.3.1. DiscoveredCluster

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

1.17.3.2. List of specs

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

1.18. ADDONDEPLOYMENTCONFIG API (V1ALPHA1)

1.18.1. Overview

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

1.18.1.1. Version information

Version : 2.9.0

1.18.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.18.1.3. Tags

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

1.18.2. Paths

1.18.2.1. Query all `AddOnDeploymentConfigs`

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

1.18.2.1.1. Description

Query your `AddOnDeploymentConfigs` for more details.

1.18.2.1.2. Parameters

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

1.18.2.1.3. Responses

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

1.18.2.1.4. Consumes

- **addondeploymentconfig/yaml**

1.18.2.1.5. Tags

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

1.18.2.2. Create a AddOnDeploymentConfig

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

1.18.2.2.1. Description

Create a AddOnDeploymentConfig.

1.18.2.2.2. Parameters

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

1.18.2.2.3. Responses

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

1.18.2.2.4. Consumes

- **addondeploymentconfig/yaml**

1.18.2.2.5. Tags

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

1.18.2.2.6. Example HTTP request

1.18.2.2.6.1. Request body

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

1.18.2.3. Query a single AddOnDeploymentConfig

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

1.18.2.3.1. Description

Query a single AddOnDeploymentConfig for more details.

1.18.2.3.2. Parameters

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

1.18.2.3.3. Responses

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

1.18.2.3.4. Tags

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

1.18.2.4. Delete a AddOnDeploymentConfig

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

1.18.2.4.1. Description

Delete a single AddOnDeploymentConfig.

1.18.2.4.2. Parameters

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

1.18.2.4.3. Responses

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

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

1.18.2.4.4. Tags

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

1.18.3. Definitions

1.18.3.1. AddOnDeploymentConfig

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

spec

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

customizedVariable

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

nodePlacement

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

1.19. CLUSTERMANAGEMENTADDON API (V1ALPHA1)

1.19.1. Overview

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

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

1.19.1.1. Version information

Version : 2.9.0

1.19.1.2. URI scheme

BasePath : /kubernetes/apis
Schemes : HTTPS

1.19.1.3. Tags

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

1.19.2. Paths

1.19.2.1. Query all ClusterManagementAddOns

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

1.19.2.1.1. Description

Query your ClusterManagementAddOns for more details.

1.19.2.1.2. Parameters

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

1.19.2.1.3. Responses

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

1.19.2.1.4. Consumes

- **clustermanagementaddon/yaml**

1.19.2.1.5. Tags

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

1.19.2.2. Create a ClusterManagementAddOn

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

1.19.2.2.1. Description

Create a ClusterManagementAddOn.

1.19.2.2.2. Parameters

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

1.19.2.2.3. Responses

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

1.19.2.2.4. Consumes

- **clustermanagementaddon/yaml**

1.19.2.2.5. Tags

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

1.19.2.2.6. Example HTTP request

1.19.2.2.6.1. Request body

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

```

    },
    "group": "addon.open-cluster-management.io",
    "resource": "addondeploymentconfigs"
  }
]
},
"status" : {}
}

```

1.19.2.3. Query a single ClusterManagementAddOn

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

1.19.2.3.1. Description

Query a single ClusterManagementAddOn for more details.

1.19.2.3.2. Parameters

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

1.19.2.3.3. Responses

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

1.19.2.3.4. Tags

- addon.open-cluster-management.io

1.19.2.4. Delete a ClusterManagementAddOn

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

1.19.2.4.1. Description

Delete a single ClusterManagementAddOn.

1.19.2.4.2. Parameters

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

1.19.2.4.3. Responses

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

1.19.2.4.4. Tags

- addon.open-cluster-management.io

1.19.3. Definitions

1.19.3.1. ClusterManagementAddOn

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

spec

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

addOnMeta

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

configMeta

Name	Description	Schema
group <i>optional</i>	Group of the add-on configuration.	string
resource <i>required</i>	Resource of the add-on configuration.	string

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

configReferent

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

1.20. MANAGEDCLUSTERADDON API (V1ALPHA1)

1.20.1. Overview

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

1.20.1.1. Version information

Version : 2.9.0

1.20.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.20.1.3. Tags

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

1.20.2. Paths

1.20.2.1. Query all ManagedClusterAddOns

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

1.20.2.1.1. Description

Query your ManagedClusterAddOns for more details.

1.20.2.1.2. Parameters

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

1.20.2.1.3. Responses

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

1.20.2.1.4. Consumes

- **managedclusteraddon/yaml**

1.20.2.1.5. Tags

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

1.20.2.2. Create a ManagedClusterAddOn

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

1.20.2.2.1. Description

Create a ManagedClusterAddOn.

1.20.2.2.2. Parameters

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

1.20.2.2.3. Responses

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

1.20.2.2.4. Consumes

- **managedclusteraddon/yaml**

1.20.2.2.5. Tags

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

1.20.2.2.6. Example HTTP request

1.20.2.2.6.1. Request body

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

```

    }
  ],
  "installNamespace": "default"
},
"status" : {}
}

```

1.20.2.3. Query a single ManagedClusterAddOn

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

1.20.2.3.1. Description

Query a single ManagedClusterAddOn for more details.

1.20.2.3.2. Parameters

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

1.20.2.3.3. Responses

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

1.20.2.3.4. Tags

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

1.20.2.4. Delete a ManagedClusterAddOn

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

1.20.2.4.1. Description

Delete a single ManagedClusterAddOn.

1.20.2.4.2. Parameters

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

1.20.2.4.3. Responses

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

1.20.2.4.4. Tags

- addon.open-cluster-management.io

1.20.3. Definitions

1.20.3.1. ManagedClusterAddOn

Name	Description	Schema
apiVersion <i>required</i>	Versioned schema of the ManagedClusterAddOn.	string

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

spec

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

addOnConfig

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

1.21. MANAGEDCLUSTERSET API (V1BETA2)

1.21.1. Overview

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

1.21.1.1. Version information

Version : 2.9.0

1.21.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.21.1.3. Tags

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

1.21.2. Paths

1.21.2.1. Query all managedclustersets

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

1.21.2.1.1. Description

Query your managedclustersets for more details.

1.21.2.1.2. Parameters

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

1.21.2.1.3. Responses

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

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

1.21.2.1.4. Consumes

- **managedclusterset/yaml**

1.21.2.1.5. Tags

- cluster.open-cluster-management.io

1.21.2.2. Create a managedclusterset

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

1.21.2.2.1. Description

Create a managedclusterset.

1.21.2.2.2. Parameters

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

1.21.2.2.3. Responses

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

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

1.21.2.2.4. Consumes

- **managedclusterset/yaml**

1.21.2.2.5. Tags

- cluster.open-cluster-management.io

1.21.2.2.6. Example HTTP request

1.21.2.2.6.1. Request body

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

1.21.2.3. Query a single managedclusterset

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

1.21.2.3.1. Description

Query a single managedclusterset for more details.

1.21.2.3.2. Parameters

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

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

1.21.2.3.3. Responses

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

1.21.2.3.4. Tags

- cluster.open-cluster-management.io

1.21.2.4. Delete a managedclusterset

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

1.21.2.4.1. Description

Delete a single managedclusterset.

1.21.2.4.2. Parameters

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

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

1.21.2.4.3. Responses

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

1.21.2.4.4. Tags

- cluster.open-cluster-management.io

1.21.3. Definitions

1.21.3.1. ManagedClusterSet

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

1.22. KLUSTERLETCONFIG API (V1ALPHA1)

1.22.1. Overview

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

1.22.1.1. Version information

Version : 2.9.0

1.22.1.2. URI scheme

BasePath : /kubernetes/apis

Schemes : HTTPS

1.22.1.3. Tags

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

1.22.2. Paths

1.22.2.1. Query all `KlusterletConfig`

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

1.22.2.1.1. Description

Query your `KlusterletConfigs` for more details.

1.22.2.1.2. Parameters

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

1.22.2.1.3. Responses

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

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

1.22.2.1.4. Consumes

- **klusterletconfig/yaml**

1.22.2.1.5. Tags

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

1.22.2.2. Create a KlusterletConfig

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

1.22.2.2.1. Description

Create a KlusterletConfig.

1.22.2.2.2. Parameters

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

1.22.2.2.3. Responses

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

1.22.2.2.4. Consumes

- **klusterletconfig/yaml**

1.22.2.2.5. Tags

- config.open-cluster-management.io

1.22.2.2.6. Example HTTP request

1.22.2.2.6.1. Request body

```
{
  "apiVersion": "apiextensions.k8s.io/v1",
  "kind": "CustomResourceDefinition",
  "metadata": {
    "annotations": {
      "controller-gen.kubebuilder.io/version": "v0.7.0"
    },
    "creationTimestamp": null,
    "name": "klusterletconfigs.config.open-cluster-management.io"
  },
  "spec": {
    "group": "config.open-cluster-management.io",
    "names": {
      "kind": "KlusterletConfig",
      "listKind": "KlusterletConfigList",
      "plural": "klusterletconfigs",
      "singular": "klusterletconfig"
    },
    "preserveUnknownFields": false,
    "scope": "Cluster",
    "versions": [
      {
        "name": "v1alpha1",
        "schema": {
          "openAPIV3Schema": {
            "description": "KlusterletConfig contains the configuration of a klusterlet including the upgrade strategy, config overrides, proxy configurations etc.",
            "properties": {
              "apiVersion": {
                "description": "APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources",
                "type": "string"
              },
              "kind": {
                "description": "Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds",
                "type": "string"
              }
            },
            "metadata": {
```

```

    "type": "object"
  },
  "spec": {
    "description": "Spec defines the desired state of KlusterletConfig",
    "properties": {
      "hubKubeAPIServerProxyConfig": {
        "description": "HubKubeAPIServerProxyConfig holds proxy settings for connections
between klusterlet/add-on agents on the managed cluster and the kube-apiserver on the hub cluster.
Empty means no proxy settings is available.",
        "properties": {
          "caBundle": {
            "description": "CABundle is a CA certificate bundle to verify the proxy server. It will be
ignored if only HTTPProxy is set; And it is required when HTTPSProxy is set and self signed CA
certificate is used by the proxy server.",
            "format": "byte",
            "type": "string"
          },
          "httpProxy": {
            "description": "HTTPProxy is the URL of the proxy for HTTP requests",
            "type": "string"
          },
          "httpsProxy": {
            "description": "HTTPSProxy is the URL of the proxy for HTTPS requests HTTPSProxy
will be chosen if both HTTPProxy and HTTPSProxy are set.",
            "type": "string"
          }
        },
        "type": "object"
      },
      "nodePlacement": {
        "description": "NodePlacement enables explicit control over the scheduling of the agent
components. If the placement is nil, the placement is not specified, it will be omitted. If the placement
is an empty object, the placement will match all nodes and tolerate nothing.",
        "properties": {
          "nodeSelector": {
            "additionalProperties": {
              "type": "string"
            },
            "description": "NodeSelector defines which Nodes the Pods are scheduled on. The
default is an empty list.",
            "type": "object"
          },
          "tolerations": {
            "description": "Tolerations is attached by pods to tolerate any taint that matches the
triple <key,value,effect> using the matching operator <operator>. The default is an empty list.",
            "items": {
              "description": "The pod this Toleration is attached to tolerates any taint that matches
the triple <key,value,effect> using the matching operator <operator>.",
              "properties": {
                "effect": {
                  "description": "Effect indicates the taint effect to match. Empty means match all
taint effects. When specified, allowed values are NoSchedule, PreferNoSchedule and NoExecute.",
                  "type": "string"
                },
                "key": {
                  "description": "Key is the taint key that the toleration applies to. Empty means

```

```

match all taint keys. If the key is empty, operator must be Exists; this combination means to match all
values and all keys.",
    "type": "string"
  },
  "operator": {
    "description": "Operator represents a key's relationship to the value. Valid operators
are Exists and Equal. Defaults to Equal. Exists is equivalent to wildcard for value, so that a pod can
tolerate all taints of a particular category.",
    "type": "string"
  },
  "tolerationSeconds": {
    "description": "TolerationSeconds represents the period of time the toleration
(which must be of effect NoExecute, otherwise this field is ignored) tolerates the taint. By default, it is
not set, which means tolerate the taint forever (do not evict). Zero and negative values will be treated
as 0 (evict immediately) by the system.",
    "format": "int64",
    "type": "integer"
  },
  "value": {
    "description": "Value is the taint value the toleration matches to. If the operator is
Exists, the value should be empty, otherwise just a regular string.",
    "type": "string"
  }
},
"type": "object"
},
"type": "array"
}
},
"type": "object"
},
"pullSecret": {
  "description": "PullSecret is the name of image pull secret.",
  "properties": {
    "apiVersion": {
      "description": "API version of the referent.",
      "type": "string"
    },
    "fieldPath": {
      "description": "If referring to a piece of an object instead of an entire object, this string
should contain a valid JSON/Go field access statement, such as desiredState.manifest.containers[2].
For example, if the object reference is to a container within a pod, this would take on a value like:
`spec.containers{name}` (where `name` refers to the name of the container that triggered the
event) or if no container name is specified `spec.containers[2]` (container with index 2 in this pod).
This syntax is chosen only to have some well-defined way of referencing a part of an object. TODO:
this design is not final and this field is subject to change in the future.",
      "type": "string"
    },
    "kind": {
      "description": "Kind of the referent. More info:
https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds,
      "type": "string"
    },
    "name": {
      "description": "Name of the referent. More info:
https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names",

```



```

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

```

```

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

```

1.22.2.3. Query a single KlusterletConfig

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

1.22.2.3.1. Description

Query a single KlusterletConfig for more details.

1.22.2.3.2. Parameters

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

1.22.2.3.3. Responses

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

HTTP Code	Description	Schema
503	Service unavailable	No Content

1.22.2.3.4. Tags

- config.open-cluster-management.io

1.22.2.4. Delete a KlusterletConfig

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

1.22.2.4.1. Description

Delete a single klusterletconfig.

1.22.2.4.2. Parameters

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

1.22.2.4.3. Responses

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

1.22.2.4.4. Tags

- config.open-cluster-management.io

1.22.3. Definitions

1.22.3.1. KlusterletConfig

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

spec

Name	Description	Schema
registries <i>optional</i>	Includes the mirror and source registries. The source registry is replaced by the mirror.	registry
pullSecret <i>optional</i>	The name of image pull secret.	object
nodePlacement <i>required</i>	Enables scheduling control of add-on agents on the managed cluster.	nodePlacement
hubKubeAPIServerProxyConfig <i>required</i>	Contains proxy settings for the connections between the klusterlet or add-on agents on the managed cluster and the kube-apiserver on the hub cluster. Empty means no proxy setting is available.	kubeAPIServerProxyConfig

nodePlacement

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

kubeAPIServerProxyConfig

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