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ClusterRole

ClusterRole is a cluster level, logical grouping of PolicyRules that can be referenced as a unit by a RoleBinding or ClusterRoleBinding.

apiVersion: rbac.authorization.k8s.io/v1

import "k8s.io/api/rbac/v1"

ClusterRole

ClusterRole is a cluster level, logical grouping of PolicyRules that can be referenced as a unit by a RoleBinding or ClusterRoleBinding.

- apiVersion: rbac.authorization.k8s.io/v1
- kind: ClusterRole
- metadata (ObjectMeta)

Standard object's metadata.

• aggregationRule (AggregationRule)

AggregationRule is an optional field that describes how to build the Rules for this ClusterRole. If AggregationRule is set, then the Rules are controller managed and direct changes to Rules will be stomped by the controller.

AggregationRule describes how to locate ClusterRoles to aggregate into the ClusterRole

aggregationRule.clusterRoleSelectors ([]LabelSelector)

Atomic: will be replaced during a merge

ClusterRoleSelectors holds a list of selectors which will be used to find ClusterRoles and create the rules. If any of the selectors match, then the ClusterRole's permissions will be added

• rules ([]PolicyRule)

Atomic: will be replaced during a merge

Rules holds all the PolicyRules for this ClusterRole

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Atomic: will be replaced during a merge

APIGroups is the name of the APIGroup that contains the resources. If multiple API groups are specified, any action requested against one of the enumerated resources in any API group will be allowed. "" represents the core API group and "*" represents all API groups.

rules.resources ([]string)

Atomic: will be replaced during a merge

Resources is a list of resources this rule applies to. '*' represents all resources.

• rules.verbs ([]string), required

Atomic: will be replaced during a merge

Verbs is a list of Verbs that apply to ALL the ResourceKinds contained in this rule. '*' represents all verbs.

rules.resourceNames ([]string)

Atomic: will be replaced during a merge

ResourceNames is an optional white list of names that the rule applies to. An empty set means that everything is allowed.

rules.nonResourceURLs ([]string)

Atomic: will be replaced during a merge

NonResourceURLs is a set of partial urls that a user should have access to. *s are allowed, but only as the full, final step in the path Since non-resource URLs are not namespaced, this field is only applicable for ClusterRoles referenced from a ClusterRoleBinding. Rules can either apply to API resources (such as "pods" or "secrets") or non-resource URL paths (such as "/api"), but not both.

ClusterRoleList

ClusterRoleList is a collection of ClusterRoles

- apiVersion: rbac.authorization.k8s.io/v1
- kind: ClusterRoleList
- metadata (ListMeta)

Standard object's metadata.

• items ([]ClusterRole), required

Items is a list of ClusterRoles

Operations



Parameters

• **name** (*in path*): string, required

name of the ClusterRole

• **pretty** (in query): string

pretty

Response

200 (ClusterRole): OK

401: Unauthorized

list list or watch objects of kind ClusterRole

HTTP Request

GET /apis/rbac.authorization.k8s.io/v1/clusterroles

Parameters

• allowWatchBookmarks (in query): boolean

allowWatchBookmarks

• continue (in query): string

continue

• **fieldSelector** (*in query*): string

fieldSelector

• labelSelector (in query): string

labelSelector

• **limit** (*in query*): integer

limit

• **pretty** (*in query*): string

pretty

• resourceVersion (in query): string

resourceVersion

• resourceVersionMatch (in query): string

resourceVersionMatch

• **sendInitialEvents** (*in query*): boolean

sendInitialEvents

• **timeoutSeconds** (*in query*): integer



Response

200 (ClusterRoleList): OK

401: Unauthorized

create create a ClusterRole

HTTP Request

POST /apis/rbac.authorization.k8s.io/v1/clusterroles

Parameters

- body: ClusterRole, required
- **dryRun** (*in query*): string

dryRun

• fieldManager (in query): string

fieldManager

• **fieldValidation** (*in query*): string

fieldValidation

• **pretty** (in query): string

pretty

Response

200 (ClusterRole): OK

201 (ClusterRole): Created

202 (ClusterRole): Accepted

401: Unauthorized

update replace the specified ClusterRole

HTTP Request

PUT /apis/rbac.authorization.k8s.io/v1/clusterroles/{name}

Parameters

• **name** (*in path*): string, required

name of the ClusterRole

- **body**: ClusterRole, required
- **dryRun** (*in query*): string

dryRun

• fieldManager (in query): string



• precey (in query). Sering

pretty

Response

200 (ClusterRole): OK

201 (ClusterRole): Created

401: Unauthorized

patch partially update the specified ClusterRole

HTTP Request

PATCH /apis/rbac.authorization.k8s.io/v1/clusterroles/{name}

Parameters

- name (in path): string, required
 name of the ClusterRole
- **body**: Patch, required
- **dryRun** (*in query*): string

dryRun

• **fieldManager** (*in query*): string

fieldManager

• fieldValidation (in query): string

fieldValidation

• **force** (*in query*): boolean

force

• **pretty** (in query): string

pretty

Response

200 (ClusterRole): OK

201 (ClusterRole): Created

401: Unauthorized

delete delete a ClusterRole

HTTP Request

DELETE /apis/rbac.authorization.k8s.io/v1/clusterroles/{name}

Parameters



• dryRun (in query): string

dryRun

• gracePeriodSeconds (in query): integer

grace Period Seconds

• **pretty** (*in query*): string

pretty

• propagationPolicy (in query): string

propagationPolicy

Response

200 (Status): OK

202 (Status): Accepted

401: Unauthorized

deletecollection delete collection of ClusterRole

HTTP Request

DELETE /apis/rbac.authorization.k8s.io/v1/clusterroles

Parameters

- **body**: DeleteOptions
- continue (in query): string

continue

• **dryRun** (*in query*): string

dryRun

• fieldSelector (in query): string

fieldSelector

• **gracePeriodSeconds** (*in query*): integer

gracePeriodSeconds

• **labelSelector** (*in query*): string

labelSelector

• **limit** (*in query*): integer

limit

• **pretty** (*in query*): string

pretty

• propagationPolicy (in query): string



resourceversioniviater (in query). Sumg

resourceVersionMatch

• sendInitialEvents (in query): boolean

sendInitialEvents

• **timeoutSeconds** (*in query*): integer

timeoutSeconds

Response

200 (Status): OK

401: Unauthorized

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No

Last modified August 28, 2024 at 6:01 PM PST: Update generated API reference for v1.31 (8ba98c79c1)









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