

CECSTACK 5.3.0

应用商店 OpenAPI 参考

文档密级：公开

文档版本：01


发布日期：2025-01-23

【版权声明】

版权所有 © 中电云计算技术有限公司 2025。保留一切权利。

本文档的版权归中电云计算技术有限公司所有。非经中电云计算技术有限公司书面许可，任何人不得以包括通过程序或设备监视、复制、传播、展示、镜像、上载、下载、摘编等方式或以其他方式擅自使用本文档的任何内容。

【商标声明】

 中国电子云 和本文档所示其他中电云计算技术有限公司及/或其他关联公司的商标均为中电云计算技术有限公司及/或其关联公司所有。未经中电云计算技术有限公司及/或其关联公司书面许可，任何人不得以任何形式使用，也不得向他人表明您有权展示、使用或做其他处理。如您有宣传、展示等任何使用需要，您必须取得中电云计算技术有限公司及/或其关联公司事先书面授权。本文档中出现的其他公司的商标或注册商标，由各自的所有人拥有。

【注意】

您购买的产品、服务或特性等应以中电云计算技术有限公司商业合同中的约定为准，本文档中描述的全部或部分产品、服务或特性可能不在您的购买或使用范围之内。除非合同另有约定，中电云计算技术有限公司对本文档内容不做任何明示或默示的声明或保证。

由于产品版本升级或其他原因，本文档内容可能会不定期进行更新。本文档仅作为使用指导，其中的陈述、信息或建议等均不构成任何明示或暗示的担保。

前言

概述

本文档主要介绍如何使用应用商店的 OpenAPI 接口。

读者对象





本文档适用于以下读者：

- 技术支持工程师
- 维护工程师
- 开发工程师
- 系统管理员

本书约定

符号标志约定

本书采用各种醒目标志来表示在操作过程中应该特别注意的地方，这些标志的意义如下：

 警告	该标志后的注释需给予格外关注，不当的操作可能会对人身造成伤害。
 注意	提醒操作中应注意的事项，不当的操作可能会导致数据丢失或者设备损坏。 “注意”不涉及人身伤害。
 说明	对正文的重点信息进行必要的补充说明。 “说明”不是安全警示信息，不涉及人身、设备及环境伤害信息。
 提示	配置、操作、或使用产品的技巧、窍门。

修订记录

文档版本	发布时间	修订说明
01	2025-01-23	第一次正式发布。

目 录

1 应用 API 参考	1
1.1 产品功能简介	1
1.2 公共参数	1
1.3 应用列表	1
1.3.1 简要描述	1
1.3.2 接口约束	1
1.3.3 URL 格式	1
1.3.4 请求方式	1
1.3.5 请求参数	1
1.3.6 返回参数	2
1.3.7 示例	3
1.3.8 状态码	5
1.4 应用详情	5
1.4.1 简要描述	5
1.4.2 接口约束	6
1.4.3 URL 格式	6
1.4.4 请求方式	6
1.4.5 请求参数	6
1.4.6 返回参数	6
1.4.7 示例	7
1.4.8 状态码	12
1.5 应用实例列表	13
1.5.1 简要描述	13
1.5.2 接口约束	13
1.5.3 URL 格式	13
1.5.4 请求方式	13
1.5.5 请求参数	13
1.5.6 返回参数	13
1.5.7 示例	14
1.5.8 状态码	16
1.6 应用实例详情	16
1.6.1 简要描述	16
1.6.2 接口约束	16

1.6.3 URL 格式	16
1.6.4 请求方式	16
1.6.5 请求参数	16
1.6.6 返回参数	17
1.6.7 示例	17
1.6.8 状态码	62

1 应用 API 参考

1.1 产品功能简介

应用模块，主要完成以下功能：

- 应用的发布。
- 应用的查看，包括列表和详细信息。
- 应用的部署，部署之后即为应用实例。
- 应用的更新和删除。

1.2 公共参数

参数	是否必选	参数类型	描述
X-Regionid	是	string	API调用针对的区域的ID

1.3 应用列表

1.3.1 简要描述

分页获取应用概要信息。

1.3.2 接口约束

无

1.3.3 URL 格式

/api/appmarket/v1/apis/applications

1.3.4 请求方式

GET

1.3.5 请求参数

参数	是否必选	参数类型	描述
runtimeType	否	string	应用类型，其可选值为：vm,container,hpc,edge,vm-image,container-operator,container-helm,hpc-spark,edge-helm,edge-general

参数	是否必选	参数类型	描述
language	否	string	语言类型，其值为cn
arch	否	string	支持架构，可选值包括x86，ARM和x86/ARM
category	否	string	应用分类
source	否	string	应用源
name	否	string	应用名称
pageNum	否	int	页码
pageSize	否	int	每页展示条数

1.3.6 返回参数

参数	参数类型	描述
code	Int	返回代码，正常情况下为0
message	String	消息，正常情况下为success
data	Array	返回的数据
currentPage	Int	当前页
totalCount	Int	数据总数
totalPage	Int	数据总页数
Data[0].apiVersion	String	数据的api版本
Data[0].kind	String	数据的类型
Data[0].Metadata	Object	数据的信息
Data[0].metadata.name	String	数据的名字
Data[0].spec.arch	String	应用的架构
Data[0].spec.category	Array	应用的分类
Data[0].spec.icon	Object	应用的图标，包括图标的base64值以及类型
Data[0].spec.introduction	String	应用的描述
Data[0].spec.name	String	应用的名称
Data[0].spec.source	String	应用所属的应用源
Data[0].spec.vendor	String	应用的开发商
Data[0].spec.version	string	应用的版本
Data[0].status	Object	应用的状态
Data[0].status.phase	String	应用所处的阶段，Failed、Available、Pending、Syncing、Deleting、Unknown

1.3.7 示例

1. 请求示例:

GET

```
/api/appmarket/v1/apis/applications?runtimeType=&arch=&category=&source=&pageNum=1&pageSize=10&language=cn
```

2. 正常返回示例:

```
{
  "code": 0,
  "message": "success",
  "currentPage": 1,
  "totalCount": 1,
  "totalPage": 1,
  "data": [
    {
      "apiVersion": "appmarket.ccos.io/v1alpha1",
      "kind": "Application",
      "metadata": {
        "annotations": {
          "displayName": "达梦数据库-images 路径图片 1.0.0",
          "remoteSource": "false",
          "sourceDisplayName": "本地应用源",
          "sourceName": "appsource-local"
        },
        "creationTimestamp": "2024-06-20T11:28:59Z",
        "finalizers": [
          "application.appmarket.x-ccos.io"
        ],
        "generation": 1,
        "labels": {
          "arch": "x86",
          "category-100": "true",
          "category-103": "true",
          "runtimeType": "vm-image",
          "source": "appsource-local"
        },
        "name": "application-cowr2f",
```



```

    "resourceVersion": "12491230",
    "uid": "75a955e5-bc09-4bac-a957-aac282241da8"
  },
  "spec": {
    "appSubscriptionName": "appsubscription-126fe6",
    "applicationRef": {
      "apiVersion": "appmarket.ccos.io/v1alpha1",
      "kind": "AppVirtualMachine",
      "name": "appvirtualmachine-fnktwl"
    },
    "arch": 1,
    "category": [
      103,
      100
    ],
    "icon": {
      "base64Data": "xxxx",
      "mediaType": "image/png"
    },
    "introduction": "基于科技创新，围绕“以人为本”的体验提升和大数据价值挖掘，搭建了“6+6N”业务架构，将学校的资源、数据、信息和应用流程，按照基于服务的方式整合起来，使它们之间彼此互相关联、数据共享、融通。",
    "name": "达梦数据库-images 路径图片",
    "source": "appsource-local",
    "specification": "基础版",
    "vendor": "武汉达梦数据库股份有限公司",
    "version": "1.0.0"
  },
  "status": {
    "appSubscriptionReady": true,
    "conditions": [
      {
        "lastTransitionTime": "2024-06-20T11:29:00Z",
        "message": "",
        "reason": "AsExpected",
        "status": "True",
        "type": "Ready"
      }
    ]
  }
}

```

```

    {
      "lastTransitionTime": "2024-06-20T11:28:59Z",
      "message": "",
      "reason": "AsExpected",
      "status": "True",
      "type": "AppSubscriptionReady"
    },
    {
      "lastTransitionTime": "2024-06-20T11:29:00Z",
      "message": "",
      "reason": "AsExpected",
      "status": "True",
      "type": "InfraApplicationReady"
    }
  ],
  "currentVersion": "1.0.0",
  "infrastructureReady": true,
  "phase": "Available"
}
}
]
}

```

1.3.8 状态码

状态码	描述
200	成功
400	请求错误
500	服务内部错误

1.4 应用详情

1.4.1 简要描述

查询单个应用的详细信息。

1.4.2 接口约束

无

1.4.3 URL 格式

/api/appmarket/v1/apis/v1/applications/:name

1.4.4 请求方式

GET

1.4.5 请求参数

参数	是否必选	参数类型	描述
name	是	string	应用名称
runtimeType	是	string	应用类型，其可选值为：vm-image,container-operator,container-helm,hpc-spack,edge-helm,edge-general

1.4.6 返回参数

参数	参数类型	描述
code	Int	返回代码
message	String	消息
data	Object	数据
data.application	object	应用信息
data.application.apiversion	string	数据的版本
data.application.kind	string	数据的类型，一般为Application
data.application.metadata	object	元数据
data.application.metadata.name	string	资源的名字
data.application.spec.arch	string	应用的架构
data.application.spec.category	array	应用的分类
data.application.spec.icon	object	应用的图标
data.application.spec.introduction	string	应用的描述
data.application.spec.name	string	应用的名字
data.application.spec.source	string	应用所属的应用源
data.application.spec.vendor	string	应用的开发商

参数	参数类型	描述
data.application.spec.version	string	应用的版本
data.application.spec.appsubscriptionname	string	引用的appSubscription的名字
data.application.spec.applicationref	object	指向的application的信息
data.application.status	object	状态

1.4.7 示例

1. 请求示例：

GET /api/appmarket/v1/apis/v1/applications/operator-ccos-marketplace-cwp-v5?runtimeType=container-operator

2. 正常返回示例：

```
{
  "code": 0,
  "message": "success",
  "data": {
    "application": {
      "apiVersion": "appmarket.ccos.io/v1alpha1",
      "kind": "Application",
      "metadata": {
        "annotations": {
          "displayName": "云工作负载保护(CWP Operator) 0.0.0-cke202408021341",
          "remoteSource": "false",
          "sourceDisplayName": "本地应用源",
          "sourceName": "appsource-local"
        },
        "creationTimestamp": "2024-07-30T03:36:35Z",
        "finalizers": [
          "application.appmarket.x-ccos.io"
        ],
        "generation": 2,
        "labels": {
          "arch": "x86-arm",
          "category-300": "true",
          "category-399": "true",
          "runtimeType": "container-operator",
```

```

    "source": "appsource-local"
  },
  "name": "operator-ccos-marketplace-cwp-v5",
  "resourceVersion": "636418166",
  "uid": "e4213753-c07e-45c7-8f89-7a62b8bfc4e4"
},
"spec": {
  "appSubscriptionName": "operator-ccos-marketplace-cwp-v5",
  "applicationRef": {
    "apiVersion": "appmarket.ccos.io/v1alpha1",
    "kind": "AppPackageManifest",
    "name": "operator-ccos-marketplace-cwp-v5"
  },
  "arch": 3,
  "category": [
    399,
    300
  ],
  "icon": {
    "base64Data": "xxxx",
    "mediaType": "image/png"
  },
  "introduction": "中国电子云工作负载保护通过海量数据采集、精准防护策略、AI 智能分析等技术为用户提供资产清点、漏洞风险预警、黑客入侵检测、主动防御等安全能力，帮助企业用户处置面临的主要网络安全风险，构建多层次工作负载的安全防护体系",
  "name": "云工作负载保护(CWP Operator)",
  "source": "appsource-local",
  "specification": "",
  "vendor": "中电云计算技术有限公司",
  "version": "0.0.0-cke202408021341"
},
"status": {
  "appSubscriptionReady": true,
  "conditions": [
    {
      "lastTransitionTime": "2024-07-30T03:36:40Z",
      "message": "",
      "reason": "AsExpected",

```

```

        "status": "True",
        "type": "Ready"
    },
    {
        "lastTransitionTime": "2024-07-30T03:36:40Z",
        "message": "",
        "reason": "AsExpected",
        "status": "True",
        "type": "AppSubscriptionReady"
    },
    {
        "lastTransitionTime": "2024-07-30T03:36:35Z",
        "message": "",
        "reason": "AsExpected",
        "status": "True",
        "type": "InfraApplicationReady"
    }
],
"currentVersion": "0.0.0-cke202408021341",
"infrastructureReady": true,
"phase": "Available"
}
},
"applicationRef": {
    "apiVersion": "appmarket.ccos.io/v1alpha1",
    "kind": "AppPackageManifest",
    "metadata": {
        "annotations": {
            "alm-examples": "[\n {\n  \"apiVersion\": \"operator.ccos.io/v1alpha1\", \n  \"kind\": \"CwpService\", \n  \"metadata\": {\n    \"name\": \"cwp-service-sample\", \n  }, \n  \"spec\": null \n } \n]",
            "capabilities": "Basic Install",
            "categories": "Security",
            "ccos.io/description-cn": "中国电子云工作负载保护通过海量数据采集、精准防护策略、AI 智能分析等技术为用户提供资产清点、漏洞风险预警、黑客入侵检测、主动防御等安全能力，帮助企业用户处置面临的主要网络安全风险，构建多层次工作负载的安全防护体系。",
            "ccos.io/displayVersion": "0.0.0.cke202407301114",
            "ccos.io/displayname-cn": "云工作负载保护(CWP Operator)",

```

```

    "ccos.io/icon-cn": "xxxx",
    "ccos.io/icon-cn-type": "image/png",
    "ccos.io/providername-cn": "中电云计算技术有限公司",
    "channel": "stable-v0",
    "console.ccos.io/plugins": "[\"console-plugin-cwp\"]",
    "operatorframework.io/suggested-namespace": "sec-cwp-operator",
    "operators.operatorframework.io/builder": "operator-sdk-v1.21.0",
    "operators.operatorframework.io/project_layout": "go.kubebuilder.io/v3",
    "packageName": "cwp-operator"
  },
  "creationTimestamp": "2024-07-30T03:36:35Z",
  "finalizers": [
    "appkagemanifest.appmarket.x-ccos.io"
  ],
  "generation": 2,
  "labels": {
    "appmarket.x-ccos.io/application-name": "operator-ccos-marketplace-cwp-v5",
    "appmarket.x-ccos.io/appsubscription-name": "operator-ccos-marketplace-cwp-v5",
    "operatorframework.io/arch.amd64": "supported",
    "operatorframework.io/arch.arm64": "supported"
  },
  "name": "operator-ccos-marketplace-cwp-v5",
  "ownerReferences": [
    {
      "apiVersion": "appmarket.ccos.io/v1alpha1",
      "kind": "Application",
      "name": "operator-ccos-marketplace-cwp-v5",
      "uid": "e4213753-c07e-45c7-8f89-7a62b8bfc4e4"
    }
  ],
  "resourceVersion": "636418152",
  "uid": "007bc443-a54f-4e63-8008-7c899bcd9be2"
},
"spec": {
  "bucketKey": "09b9dfe42fbd906bd85cdf760bd8b98fcontainer-
operator336793600_____DEV-CWP_0.0.0.cke202408021341_x86_64.tar",
  "capabilities": "Basic Install",
  "catalogSource": {

```

```

"apiVersion": "operators.coreos.com/v1alpha1",
"kind": "CatalogSource",
"metadata": {
  "name": "cwp-v5",
  "namespace": "ccos-marketplace"
},
"spec": {
  "displayName": "cwp-v5",
  "grpcPodConfig": {
    "nodeSelector": {
      "node-role.kubernetes.io/master": ""
    },
    "tolerations": [
      {
        "effect": "NoSchedule",
        "key": "node-role.kubernetes.io/master",
        "operator": "Exists"
      }
    ]
  },
  "icon": {
    "base64data": "",
    "mediatype": ""
  },
  "image": "image.ccos.io/cecstack-sec/cwp-
operator@sha256:7f84b5367ba7c93b248788a181661ef8533a8dc83178a8475848e3404fb6074
d",
  "publisher": "cecloud",
  "sourceType": "grpc"
},
"status": {}
},
"channel": "stable-v0",
"currentCSV": "cwp-operator.v0.0.0-cke202408021341",
"description": "中国电子云工作负载保护通过海量数据采集、精准防护策略、AI 智能分
析等技术为用户提供资产清点、漏洞风险预警、黑客入侵检测、主动防御等安全能力，帮助企业
用户处置面临的主要网络安全风险，构建多层次工作负载的安全防护体系",
"fileName": "09b9dfe42fbd906bd85cdf760bd8b98fcontainer-
operator336793600_____DEV-CWP_0.0.0.cke202408021341_x86_64.tar",

```



```

"installModes": [
  {
    "supported": true,
    "type": "OwnNamespace"
  },
  {
    "supported": true,
    "type": "SingleNamespace"
  },
  {
    "supported": false,
    "type": "MultiNamespace"
  },
  {
    "supported": false,
    "type": "AllNamespaces"
  }
],
"packageName": "cwp-operator",
"provider": "中电云计算技术有限公司",
"version": "0.0.0-cke202408021341"
},
"status": {
  "currentVersion": "0.0.0-cke202408021341",
  "phase": "Available"
}
}
}
}
}

```

1.4.8 状态码

状态码	描述
200	成功
400	请求错误
500	服务内部错误

1.5 应用实例列表

1.5.1 简要描述

应用部署之后，每一个运行的应用，称为应用实例。比如容器类型的应用部署之后会有对应的容器实例。

1.5.2 接口约束

无

1.5.3 URL 格式

/api/appmarket/v1/apis/getInstances

1.5.4 请求方式

GET

1.5.5 请求参数

参数	是否必选	参数类型	描述
pageNum	否	Int	页码
pageSize	否	Int	每页的数据数
language	否	string	语言类型
cells	是	string	Cell信息
custers	否	String	集群信息
side	是	String	运营侧还是运维侧，取值为tenant
runtimeType	否	String	应用实例所属的一级类型，可选值为edge,hpc
edge	否	String	边缘集群的id，仅在边缘场景使用

1.5.6 返回参数

参数	参数类型	描述
code	Int	返回代码
message	String	消息
data	Object	数据
Data[0].application	Object	应用信息
Data[0].application.displayName	String	应用显示名称

参数	参数类型	描述
Data[0].application.displayNameCN	String	应用中文名称
Data[0].application.runtimeType	String	应用类型
Data[0].application.arch	String	应用支持的架构
Data[0].application.category	Array	应用分类
Data[0].instance	Array	应用实例信息
Data[0].instance[0].releaseName	String	helm应用的release名称，如果不为helm应用时，则返回空值
Data[0].instance[0].vmName	String	应用实例虚拟机名称
Data[0].instance[0].vmlid	String	应用实例虚拟机id
Data[0].instance[0].csvName	String	应用clusterserviceversion的名称
Data[0].instance[0].subName	String	应用的subscription的名称
Data[0].instance[0].nameSpace	String	应用实例所在的命名空间
Data[0].instance[0].phase	String	应用实例所属阶段
Data[0].instance[0].creationTimestamp	String	创建时间戳
Data[0].instance[0].plugins	String	插件
Data[0].instance[0].zone	String	所在的zone
Data[0].instance[0].cluster	String	所属的集群

1.5.7 示例

1. 请求示例:

```
GET
/v1/apis/getInstances?pageNum=1&pageSize=999&cells=%7B%22zone1%22:%22devcluster6917%22%7D&clusters=&language=cn&runtimeType=&side=tenant
```

2. 正常返回示例:

```
{
  "code": 0,
  "message": "success",
  "data": [
    {
      "application": {
        "displayName": "云工作负载保护 (CWP Operator) 0.0.0-cke202408021341",
        "displayNameCN": "云工作负载保护 (CWP Operator) 0.0.0-cke202408021341",
        "runtimeType": "container-operator",
        "arch": "X86/ARM",
        "category": [
          "300",

```

```

        "399"
    ],
    "source": "cwp-v5",
    "operation": {
        "start": false,
        "stop": false,
        "upgrade": false,
        "restart": false
    }
},
"instance": [
    {
        "vmName": "",
        "vmId": "",
        "csvName": "cwp-operator.v0.0.0-cke202408021341",
        "subName": "cwp-operator-1722578650493168470",
        "nameSpace": "sec-cwp-operator",
        "phase": "Succeeded",
        "failReason": "",
        "failMessage": "",
        "creationTimestamp": "2024-08-02T06:04:39Z",
        "plugins": "[\"console-plugin-cwp\"]",
        "zone": "",
        "cluster": "cke-0250qzdvyt",
        "releaseName": "",
        "clusterId": "",
        "clusterName": "",
        "nodeId": "",
        "clusterType": "",
        "nodeName": "",
        "version": "",
        "upgradeableVersion": "",
        "applicationId": "",
        "tenantMenuName": "",
        "tenantMenuNamespace": "",
        "tenantId": "",
        "conditions": null,
        "sshPort": 0,
        "sshUserName": "",
        "sshUserPassword": "",
        "operationID": "",
        "appSource": "",
        "appGeneralName": "",
        "appGeneralReleaseName": "",
        "health": {},
        "log": {}
    }
]

```

```
}
]
}
```

1.5.8 状态码

状态码	描述
200	成功
400	请求错误
500	服务内部错误

1.6 应用实例详情

1.6.1 简要描述

查看某个应用实例的详细信息，包括应用实例的状态、实例运行的信息等。

1.6.2 接口约束

虚拟机应用的应用实例详情即为跳转至虚拟机详细信息页面。因此详情接口主要针对系统或 `operator` 类型的应用。

1.6.3 URL 格式

```
/api/appmarket/v1/apis/clusterServiceVersion?namespace=sec-cwp-operator&csvname=cwp-operator.v0.0.0-cke202408021341&clusterId=cke-0250qzdvyt&runtimeType=container-operator
```

1.6.4 请求方式

GET

1.6.5 请求参数

参数	是否必选	参数类型	描述
Namespace	是	Int	Clusterserviceversion资源所属的命名空间
Csvname	是	String	Clusterserviceversion资源的名字
cell	是	Object	Clusterserviceversion资源所在的cell

1.6.6 返回参数

参数	参数类型	描述
code	Int	返回代码
message	String	消息
data	Object	数据
data.apiVersion	String	Api版本, 为operators.coreos.com/v1alpha1
Data.kind	String	实例信息的类型, 值为"ClusterServiceVersion"
Data.Metadata	Object	实例的元数据
Data.metadata.name	String	实例的名字
Data.spec.description	String	应用描述信息
Data.spec.displayName	Array	应用的显示名称
Data.spec.icon	Array	应用的图标
Data.spec.provider	Object	应用的开发商信息
Data.spec.version	String	应用的版本
Data.status	String	应用的状态

1.6.7 示例

1. 请求示例:

GET /api/appmarket/v1/apis/clusterServiceVersion?namespace=sec-cwp-operator&csvname=cwp-operator.v0.0.0-cke202408021341&clusterId=cke-0250qzdvyt&runtimeType=container-operator

2. 正常返回示例:

```
{
  "code": 0,
  "message": "success",
  "data": {
    "apiVersion": "operators.coreos.com/v1alpha1",
    "kind": "ClusterServiceVersion",
    "metadata": {
      "annotations": {
        "alm-examples": "[\n {\n  \"apiVersion\": \"operator.ccos.io/v1alpha1\", \n  \"kind\": \"CwpService\", \n  \"metadata\": {\n    \"name\": \"cwp-service-sample\" \n  }, \n  \"spec\": null \n } \n]",

```

```

    "capabilities": "Basic Install",
    "categories": "Security",
    "ccos.io/description-cn": "中国电子云工作负载保护通过海量数据采集、精准防护策略、AI 智能分析等技术为用户提供资产清点、漏洞风险预警、黑客入侵检测、主动防御等安全能力，帮助企业用户处置面临的主要网络安全风险，构建多层次工作负载的安全防护体系。",
    "ccos.io/displayVersion": "0.0.0.cke202408021341",
    "ccos.io/displayname-cn": "云工作负载保护(CWP Operator)",
    "ccos.io/icon-cn": "xxx",
    "ccos.io/icon-cn-type": "image/png",
    "ccos.io/providername-cn": "中电云计算技术有限公司",
    "console.ccos.io/plugins": ["console-plugin-cwp"],
    "olm.operatorGroup": "sec-cwp-operator-gvdvr",
    "olm.operatorNamespace": "sec-cwp-operator",
    "olm.targetNamespaces": "sec-cwp-operator",
    "operatorframework.io/properties":
    {"properties":{"type":"olm.gvk","value":{"group":"operator.ccos.io","kind":"CwpService","version":"v1alpha1"}},{"type":"olm.package","value":{"packageName":"cwp-operator","version":"0.0.0-cke202408021341"}}},
    "operatorframework.io/suggested-namespace": "sec-cwp-operator",
    "operators.operatorframework.io/builder": "operator-sdk-v1.21.0",
    "operators.operatorframework.io/project_layout": "go.kubebuilder.io/v3",
    "packageName": "cwp-operator"
  },
  "creationTimestamp": "2024-08-02T06:04:39Z",
  "generation": 1,
  "labels": {
    "olm.api.8ad3340c84ff408a": "provided",
    "operatorframework.io/arch.amd64": "supported",
    "operatorframework.io/arch.arm64": "supported",
    "operators.coreos.com/cwp-operator.sec-cwp-operator": ""
  },
  "name": "cwp-operator.v0.0.0-cke202408021341",
  "namespace": "sec-cwp-operator",
  "resourceVersion": "675663",
  "uid": "8123e887-5425-42cc-97f2-5f47d7a88acf"
},
"spec": {
  "apiservicedefinitions": {},
  "cleanup": {

```

```

    "enabled": false
  },
  "customresourcedefinitions": {
    "owned": [
      {
        "description": "CwpService is the Schema for the cwpservices API",
        "displayName": "Cwp Service",
        "kind": "CwpService",
        "name": "cwpservices.operator.ccos.io",
        "version": "v1alpha1"
      }
    ]
  },

```

"description": "中国电子云工作负载保护通过海量数据采集、精准防护策略、AI 智能分析等技术为用户提供资产清点、漏洞风险预警、黑客入侵检测、主动防御等安全能力，帮助企业用户处置面临的主要网络安全风险，构建多层次工作负载的安全防护体系”，

```

    "displayName": "云工作负载保护(CWP Operator)",
    "icon": [
      {
        "base64data": "",
        "mediatype": "image/png"
      }
    ],

```

```

"install": {
  "spec": {
    "clusterPermissions": [
      {
        "rules": [
          {
            "apiGroups": [
              ""
            ],
            "resources": [
              "configmaps",
              "namespaces",
              "serviceaccounts",
              "endpoints",
              "services",

```



```

        "secrets",
        "pods",
        "events",
        "nodes",
        "persistentvolumes"
    ],
    "verbs": [
        "*"
    ]
},
{
    "apiGroups": [
        "apiextensions.k8s.io"
    ],
    "resources": [
        "customresourcedefinitions"
    ],
    "verbs": [
        "get",
        "list",
        "watch",
        "create",
        "update",
        "patch",
        "delete"
    ]
},
{
    "apiGroups": [
        "console.ccos.io"
    ],
    "resources": [
        "consoleplugins"
    ],
    "verbs": [
        "get",
        "list",
        "watch",

```

```

        "create",
        "update",
        "patch",
        "delete"
    ]
},
{
    "apiGroups": [
        "coordination.k8s.io"
    ],
    "resources": [
        "leases"
    ],
    "verbs": [
        "get",
        "list",
        "watch",
        "create",
        "update",
        "patch",
        "delete"
    ]
},
{
    "apiGroups": [
        "operator.ccos.io"
    ],
    "resources": [
        "cwpservices",
        "ccosmysqldatabases",
        "productservices",
        "servicedescriptions",
        "alertproducts",
        "alertproductmetrics",
        "alertproductrules",
        "inspectiongroups",
        "productspecs",
        "lifecycleservices",

```

```

        "inspectionitems"
    ],
    "verbs": [
        "create",
        "delete",
        "get",
        "list",
        "patch",
        "update",
        "watch"
    ]
},
{
    "apiGroups": [
        "ccosredis.operator.ccos.io"
    ],
    "resources": [
        "redisreplications"
    ],
    "verbs": [
        "create",
        "delete",
        "get",
        "list",
        "patch",
        "update",
        "watch"
    ]
},
{
    "apiGroups": [
        "operator.ccos.io"
    ],
    "resources": [
        "cwpservices/finalizers"
    ],
    "verbs": [
        "update"
    ]
}

```

```

    ]
  },
  {
    "apiGroups": [
      "operator.ccos.io"
    ],
    "resources": [
      "cwpservices/status"
    ],
    "verbs": [
      "get",
      "patch",
      "update"
    ]
  },
  {
    "apiGroups": [
      "apps"
    ],
    "resources": [
      "deployments",
      "daemonsets",
      "statefulsets",
      "persistentvolumes"
    ],
    "verbs": [
      "*"
    ]
  },
  {
    "apiGroups": [
      "policy"
    ],
    "resources": [
      "poddisruptionbudgets"
    ],
    "verbs": [
      "*"
    ]
  }

```

```

    ]
  },
  {
    "apiGroups": [
      "monitoring.coreos.com"
    ],
    "resources": [
      "servicemonitors"
    ],
    "verbs": [
      "create",
      "delete",
      "get",
      "list",
      "patch",
      "update",
      "watch"
    ]
  },
  {
    "apiGroups": [
      "rbac.authorization.k8s.io"
    ],
    "resources": [
      "clusterroles",
      "clusterrolebindings",
      "roles",
      "rolebindings"
    ],
    "verbs": [
      "*"
    ]
  },
  {
    "apiGroups": [
      "ccos.io"
    ],
    "resources": [

```

```

        "blockdeviceclaims",
        "blockdeviceclaims/status"
    ],
    "verbs": [
        "*"
    ]
},
{
    "apiGroups": [
        "config.ccos.io"
    ],
    "resources": [
        "infrastructures",
        "apiservers"
    ],
    "verbs": [
        "get"
    ]
},
{
    "apiGroups": [
        "config.ccos.io"
    ],
    "resources": [
        "infrastructures"
    ],
    "verbs": [
        "list",
        "watch"
    ]
},
{
    "apiGroups": [
        "config.ccos.io"
    ],
    "resources": [
        "clusteroperators/status"
    ],

```

```
"verbs": [
  "create",
  "delete",
  "get",
  "patch",
  "update",
  "list",
  "watch"
]
},
{
  "apiGroups": [
    "config.ccos.io"
  ],
  "resources": [
    "clusteroperators"
  ],
  "verbs": [
    "create",
    "delete",
    "get",
    "patch",
    "update",
    "list",
    "watch"
  ]
},
{
  "apiGroups": [
    "authentication.k8s.io"
  ],
  "resources": [
    "tokenreviews"
  ],
  "verbs": [
    "create"
  ]
},
```

```

{
  "apiGroups": [
    "authorization.k8s.io"
  ],
  "resources": [
    "subjectaccessreviews"
  ],
  "verbs": [
    "create"
  ]
},
{
  "apiGroups": [
    "security.ccos.io"
  ],
  "resourceNames": [
    "hostnetwork"
  ],
  "resources": [
    "securitycontextconstraints"
  ],
  "verbs": [
    "use"
  ]
},
{
  "apiGroups": [
    "discovery.k8s.io"
  ],
  "resources": [
    "endpointslices"
  ],
  "verbs": [
    "list",
    "watch"
  ]
},
{

```



```

"apiGroups": [
  "multicluster.ccos.io"
],
"resources": [
  "clusterplannings"
],
"verbs": [
  "get",
  "watch",
  "list"
]
},
{
"apiGroups": [
  "doko.ccos.io"
],
"resources": [
  "dokodemodoors",
  "dokodemodoors/finalizers"
],
"verbs": [
  "*"
]
},
{
"apiGroups": [
  "doko.ccos.io"
],
"resources": [
  "dokodemogateways",
  "dokodemogateways/finalizers"
],
"verbs": [
  "create",
  "delete",
  "get",
  "list",
  "patch",

```

```

        "update",
        "watch"
    ]
},
{
    "apiGroups": [
        "doko.ccos.io"
    ],
    "resources": [
        "dokodemoglobaldors"
    ],
    "verbs": [
        "create",
        "delete",
        "get",
        "list",
        "patch",
        "update",
        "watch"
    ]
},
{
    "apiGroups": [
        "gateway.networking.k8s.io"
    ],
    "resources": [
        "httproutes"
    ],
    "verbs": [
        "create",
        "delete",
        "get",
        "list",
        "patch",
        "update",
        "watch"
    ]
},

```

```

{
  "apiGroups": [
    "mariadb.ccos.io"
  ],
  "resources": [
    "databases"
  ],
  "verbs": [
    "create",
    "delete",
    "get",
    "list",
    "patch",
    "update",
    "watch"
  ]
},
{
  "apiGroups": [
    "operator.ccos.io"
  ],
  "resources": [
    "operationmenus",
    "operationleftmenus"
  ],
  "verbs": [
    "create",
    "delete",
    "get",
    "list",
    "patch",
    "update",
    "watch"
  ]
},
{
  "apiGroups": [
    "operator.ccos.io"

```

```

    ],
    "resources": [
        "operationtopbarmenus"
    ],
    "verbs": [
        "create",
        "delete",
        "get",
        "list",
        "patch",
        "update",
        "watch"
    ]
},
{
    "apiGroups": [
        "operator.ccos.io"
    ],
    "resources": [
        "operationusers"
    ],
    "verbs": [
        "create",
        "delete",
        "get",
        "list",
        "patch",
        "update",
        "watch"
    ]
},
{
    "apiGroups": [
        "operator.ccos.io"
    ],
    "resources": [
        "securitycontextconstraints"
    ],

```

```

"verbs": [
  "create",
  "delete",
  "get",
  "list",
  "patch",
  "update",
  "watch"
]
},
{
  "apiGroups": [
    "operator.ccos.io"
  ],
  "resources": [
    "tenantleftmenus"
  ],
  "verbs": [
    "create",
    "delete",
    "get",
    "list",
    "patch",
    "update",
    "watch"
  ]
},
{
  "apiGroups": [
    "operator.ccos.io"
  ],
  "resources": [
    "tenantmenus"
  ],
  "verbs": [
    "create",
    "delete",
    "get",

```

```

        "list",
        "patch",
        "update",
        "watch"
    ]
},
{
    "apiGroups": [
        "operator.ccos.io"
    ],
    "resources": [
        "tenanttopbarmenus"
    ],
    "verbs": [
        "create",
        "delete",
        "get",
        "list",
        "patch",
        "update",
        "watch"
    ]
},
{
    "apiGroups": [
        "operator.ccos.io"
    ],
    "resources": [
        "transportusers",
        "ProductService"
    ],
    "verbs": [
        "create",
        "delete",
        "get",
        "list",
        "patch",
        "update",

```

```
        "watch"
    ]
},
{
    "apiGroups": [
        "paas.ccos.io"
    ],
    "resources": [
        "kafkaclusters",
        "redis"
    ],
    "verbs": [
        "create",
        "delete",
        "get",
        "list",
        "patch",
        "update",
        "watch"
    ]
},
{
    "apiGroups": [
        "rbac.authorization.k8s.io"
    ],
    "resources": [
        "clusterrolebindings"
    ],
    "verbs": [
        "create",
        "delete",
        "get",
        "list",
        "patch",
        "update",
        "watch"
    ]
},
```

```

{
  "apiGroups": [
    "rbac.authorization.k8s.io"
  ],
  "resources": [
    "clusterroles"
  ],
  "verbs": [
    "create",
    "delete",
    "get",
    "list",
    "patch",
    "update",
    "watch"
  ]
},
{
  "apiGroups": [
    "rbac.authorization.k8s.io"
  ],
  "resources": [
    "rolebindings"
  ],
  "verbs": [
    "create",
    "delete",
    "get",
    "list",
    "patch",
    "update",
    "watch"
  ]
},
{
  "apiGroups": [
    "rbac.authorization.k8s.io"
  ],

```



```

    "resources": [
      "roles"
    ],
    "verbs": [
      "create",
      "delete",
      "get",
      "list",
      "patch",
      "update",
      "watch"
    ]
  },
  {
    "apiGroups": [
      "route.ccos.io"
    ],
    "resources": [
      "routes",
      "routes/custom-host"
    ],
    "verbs": [
      "create",
      "delete",
      "get",
      "list",
      "patch",
      "update",
      "watch"
    ]
  },
  {
    "apiGroups": [
      "authentication.k8s.io"
    ],
    "resources": [
      "tokenreviews"
    ],

```

```
"verbs": [
  "create"
],
},
{
  "apiGroups": [
    "authorization.k8s.io"
  ],
  "resources": [
    "subjectaccessreviews"
  ],
  "verbs": [
    "create"
  ]
},
{
  "apiGroups": [
    "operator.ccos.io"
  ],
  "resources": [
    "cwpservices"
  ],
  "verbs": [
    "create",
    "delete",
    "get",
    "list",
    "patch",
    "update",
    "watch"
  ]
},
{
  "apiGroups": [
    "operator.ccos.io"
  ],
  "resources": [
    "cwpservices/finalizers"
  ]
}
```

```

    ],
    "verbs": [
        "update"
    ]
},
{
    "apiGroups": [
        "operator.ccos.io"
    ],
    "resources": [
        "cwpservices/status"
    ],
    "verbs": [
        "get",
        "patch",
        "update"
    ]
},
{
    "apiGroups": [
        "authentication.k8s.io"
    ],
    "resources": [
        "tokenreviews"
    ],
    "verbs": [
        "create"
    ]
},
{
    "apiGroups": [
        "authorization.k8s.io"
    ],
    "resources": [
        "subjectaccessreviews"
    ],
    "verbs": [
        "create"
    ]
}

```

```

    ]
  },
  {
    "apiGroups": [
      "admissionregistration.k8s.io"
    ],
    "resources": [
      "validatingwebhookconfigurations"
    ],
    "verbs": [
      "create",
      "delete",
      "get",
      "list",
      "patch",
      "update",
      "watch"
    ]
  }
],
"serviceName": "cwp-operator-controller-manager"
}
],
"deployments": [
  {
    "label": {
      "control-plane": "controller-manager"
    },
    "name": "cwp-operator-controller-manager",
    "spec": {
      "replicas": 1,
      "selector": {
        "matchLabels": {
          "control-plane": "controller-manager"
        }
      },
      "strategy": {},
      "template": {

```

```

"metadata": {
  "annotations": {
    "kubectrl.kubernetes.io/default-container": "manager"
  },
  "creationTimestamp": null,
  "labels": {
    "control-plane": "controller-manager"
  }
},
"spec": {
  "affinity": {
    "nodeAffinity": {
      "preferredDuringSchedulingIgnoredDuringExecution": [
        {
          "preference": {
            "matchExpressions": [
              {
                "key": "node-pool.ccos.io/sec-controller",
                "operator": "In",
                "values": [
                  "true"
                ]
              }
            ]
          },
          "weight": 2
        },
        {
          "preference": {
            "matchExpressions": [
              {
                "key": "node-role.kubernetes.io/master",
                "operator": "Exists"
              }
            ]
          },
          "weight": 1
        }
      ]
    }
  }
}

```

```

    ]
  }
},
"containers": [
  {
    "args": [
      "--health-probe-bind-address=:8081",
      "--metrics-bind-address=127.0.0.1:8080"
    ],
    "command": [
      "/manager"
    ],
    "env": [
      {
        "name": "AGENT_IMAGE",
        "value": "image.ccos.io/cecstack-sec/cwp-
operator@sha256:a45915b7610c7e69bdb97b741fb6d6c4555932e24546265624e593890f0ba55
7"
      },
      {
        "name": "CONTROLLER_IMAGE",
        "value": "image.cestc.cn/secdb/cecstack-cwp-controller:DEV-
CWP0.0.0-cke202408021341"
      },
      {
        "name": "CONSOLE_IMAGE",
        "value": "image.cestc.cn/secdb/cecstack-cwp-console:DEV-
CWP0.0.0-cke202408021341"
      },
      {
        "name": "AVSCANNER_IMAGE",
        "value": "image.cestc.cn/secdb/cecstack-cwp-av-
scanner:DEV-CWP0.0.0-cke202408021341"
      },
      {
        "name": "LOGSERVER_IMAGE",
        "value": "image.cestc.cn/secdb/cecstack-cwp-logserver:DEV-
CWP0.0.0-cke202408021341"
      },
    ],
  },

```

```

        {
            "name": "WEB_IMAGE",
            "value": "image.cestc.cn/secdb/console-plugin-cwp:DEV-
CWP0.0.0-cke202408021341"
        },
        {
            "name": "SCANNER_SERVER_IMAGE",
            "value": "image.cestc.cn/secdb/cecstack-cwp-scanner-
server:DEV-CWP0.0.0-cke202408021341"
        },
        {
            "name": "SCANNER_CLIENT_IMAGE",
            "value": "image.cestc.cn/secdb/cecstack-cwp-scanner-
client:DEV-CWP0.0.0-cke202408021341"
        },
        {
            "name": "Ti_IMAGE",
            "value": "image.cestc.cn/secdb/cecstack-cwp-ti:DEV-
CWP0.0.0-cke202408021341"
        },
        {
            "name": "KUBEBENCH_IMAGE",
            "value": "image.ccos.io/cecstack-sec/cwp-
operator@sha256:b5dcc402da42e4c622f19eda0e0ffb6966ad27deadbc85d720f63e7b4c567395"
        },
        {
            "name": "UPDATER_IMAGE",
            "value": "image.cestc.cn/secdb/cecstack-cwp-updater:DEV-
CWP0.0.0-cke202408021341"
        },
        {
            "name": "LOGSTASH_IMAGE",
            "value": "image.cestc.cn/secdb/cecstack-cwp-logstash:DEV-
CWP0.0.0-cke202408021341"
        },
        {
            "name": "GRAPHD_IMAGE",
            "value": "image.ccos.io/cecstack-sec/cwp-
operator@sha256:88674038cec3140dacd7262fc5c7f8d33f13f5c8cc35161635183ab4cf53902"
        }
    ]
}

```

```

    },
    {
      "name": "DES_CORE_SVC",
      "value": "cluster.ccos-des-service:7054"
    },
    {
      "name": "DES_REDIS_USER",
      "value": "ccosredis"
    },
    {
      "name": "DES_REDIS_PWD",
      "value": "123456"
    },
    {
      "name": "DES_MYSQL_USER",
      "value": "desseccwp"
    },
    {
      "name": "DES_MYSQL_PWD",
      "value": "cwp@123"
    },
    {
      "name": "CLUSTER_TYPE",
      "value": "CKE"
    }
  ],
  "image": "image.ccos.io/cecstack-sec/cwp-
operator@sha256:1ddd4aa2b0a99c98bcac494f460a2ea56f0be81c375d05cccbe0ad9a75b3420
b",
  "imagePullPolicy": "Always",
  "livenessProbe": {
    "httpGet": {
      "path": "/healthz",
      "port": 8081
    },
    "initialDelaySeconds": 15,
    "periodSeconds": 20
  },

```



```

    "name": "manager",
    "readinessProbe": {
      "httpGet": {
        "path": "/readyz",
        "port": 8081
      },
      "initialDelaySeconds": 5,
      "periodSeconds": 10
    },
    "resources": {
      "requests": {
        "cpu": "10m",
        "memory": "64Mi"
      }
    },
    "securityContext": {
      "allowPrivilegeEscalation": false
    }
  },
  "securityContext": {
    "runAsNonRoot": true
  },
  "serviceAccountName": "cwp-operator-controller-manager",
  "terminationGracePeriodSeconds": 10,
  "tolerations": [
    {
      "effect": "NoSchedule",
      "key": "node-role.kubernetes.io/master",
      "operator": "Exists"
    }
  ]
}
}
}
}
},
"permissions": [

```

```

{
  "rules": [
    {
      "apiGroups": [
        ""
      ],
      "resources": [
        "configmaps"
      ],
      "verbs": [
        "get",
        "list",
        "watch",
        "create",
        "update",
        "patch",
        "delete"
      ]
    },
    {
      "apiGroups": [
        "coordination.k8s.io"
      ],
      "resources": [
        "leases"
      ],
      "verbs": [
        "get",
        "list",
        "watch",
        "create",
        "update",
        "patch",
        "delete"
      ]
    },
    {
      "apiGroups": [

```

```

        ""
    ],
    "resources": [
        "events"
    ],
    "verbs": [
        "create",
        "patch"
    ]
    }
],
    "serviceAccountName": "cwp-operator-controller-manager"
}
]
},
"strategy": "deployment"
},
"installModes": [
    {
        "supported": true,
        "type": "OwnNamespace"
    },
    {
        "supported": true,
        "type": "SingleNamespace"
    },
    {
        "supported": false,
        "type": "MultiNamespace"
    },
    {
        "supported": false,
        "type": "AllNamespaces"
    }
],
"keywords": [
    "security"
],

```

```

"links": [
  {
    "name": "Cwp Operator",
    "url": "https://cwp-operator.domain"
  }
],
"maturity": "alpha",
"provider": {
  "name": "中电云计算技术有限公司"
},
"relatedImages": [
  {
    "image": "image.ccos.io/cecstack-sec/cwp-
operator@sha256:a45915b7610c7e69bdb97b741fb6d6c4555932e24546265624e593890f0ba55
7",
    "name": "cwp-agent"
  },
  {
    "image": "image.ccos.io/cecstack-sec/cwp-
operator@sha256:1ddd4aa2b0a99c98bcac494f460a2ea56f0be81c375d05cccbe0ad9a75b3420
b",
    "name": "cwp-operator"
  },
  {
    "image": "image.ccos.io/cecstack-sec/cwp-
operator@sha256:b5dcc402da42e4c622f19eda0e0ffb6966ad27deadbc85d720f63e7b4c567395"
,
    "name": "cwp-kube-bench"
  },
  {
    "image": "image.ccos.io/cecstack-sec/cwp-
operator@sha256:88674038cec3140dacd7262fc5c7f8d33f13f5c8cc35161635183ab4cfd53902",
    "name": "cwp-graphd"
  }
],
"version": "0.0.0-cke202408021341"
},
"status": {
  "cleanup": {},

```

```
"conditions": [  
  {  
    "lastTransitionTime": "2024-08-02T06:04:40Z",  
    "lastUpdateTime": "2024-08-02T06:04:40Z",  
    "message": "requirements not yet checked",  
    "phase": "Pending",  
    "reason": "RequirementsUnknown"  
  },  
  {  
    "lastTransitionTime": "2024-08-02T06:04:40Z",  
    "lastUpdateTime": "2024-08-02T06:04:40Z",  
    "message": "one or more requirements couldn't be found",  
    "phase": "Pending",  
    "reason": "RequirementsNotMet"  
  },  
  {  
    "lastTransitionTime": "2024-08-02T06:04:44Z",  
    "lastUpdateTime": "2024-08-02T06:04:44Z",  
    "message": "all requirements found, attempting install",  
    "phase": "InstallReady",  
    "reason": "AllRequirementsMet"  
  },  
  {  
    "lastTransitionTime": "2024-08-02T06:04:45Z",  
    "lastUpdateTime": "2024-08-02T06:04:45Z",  
    "message": "waiting for install components to report healthy",  
    "phase": "Installing",  
    "reason": "InstallSucceeded"  
  },  
  {  
    "lastTransitionTime": "2024-08-02T06:04:45Z",  
    "lastUpdateTime": "2024-08-02T06:04:45Z",  
    "message": "installing: waiting for deployment cwp-operator-controller-manager to  
become ready: waiting for spec update of deployment \"cwp-operator-controller-manager\" to be  
observed...",  
    "phase": "Installing",  
    "reason": "InstallWaiting"  
  },  
]
```

```

    {
      "lastTransitionTime": "2024-08-02T06:05:06Z",
      "lastUpdateTime": "2024-08-02T06:05:06Z",
      "message": "install strategy completed with no errors",
      "phase": "Succeeded",
      "reason": "InstallSucceeded"
    }
  ],
  "lastTransitionTime": "2024-08-02T06:05:06Z",
  "lastUpdateTime": "2024-08-02T06:05:06Z",
  "message": "install strategy completed with no errors",
  "phase": "Succeeded",
  "reason": "InstallSucceeded",
  "requirementStatus": [
    {
      "group": "apiextensions.k8s.io",
      "kind": "CustomResourceDefinition",
      "message": "CRD is present and Established condition is true",
      "name": "cwpservices.operator.ccos.io",
      "status": "Present",
      "uuid": "13fb3252-77be-4d23-99ec-b35ec57ede30",
      "version": "v1"
    },
    {
      "dependents": [
        {
          "group": "rbac.authorization.k8s.io",
          "kind": "PolicyRule",
          "message": "namespaced
rule:{"verbs":["get","list","watch","create","update","patch","delete"],"apiGroups":[""],"
resources":["configmaps"]",
          "status": "Satisfied",
          "version": "v1"
        },
        {
          "group": "rbac.authorization.k8s.io",
          "kind": "PolicyRule",

```

```

        "message": "namespaced
rule:{"verbs":["get","list","watch","create","update","patch","delete"],"apiGroups":["coordination.k8s.io"],"resources":["leases"]}
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "namespaced
rule:{"verbs":["create","patch"],"apiGroups":[""],"resources":["events"]}
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["*"],"apiGroups":[""],"resources":["configmaps","namespaces","serviceaccounts","endpoints","services","secrets","pods","events","nodes","persistentvolumes"]}
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["get","list","watch","create","update","patch","delete"],"apiGroups":["apixtensions.k8s.io"],"resources":["customresourcedefinitions"]}
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["get","list","watch","create","update","patch","delete"],"apiGroups":["console.ccos.io"],"resources":["consoleplugins"]}
        "status": "Satisfied",

```

```

    "version": "v1"
  },
  {
    "group": "rbac.authorization.k8s.io",
    "kind": "PolicyRule",
    "message": "cluster
rule:{"verbs":["get","list","watch","create","update","patch","delete"],"apiGroups":["coordination.k8s.io"],"resources":["leases"]}",
    "status": "Satisfied",
    "version": "v1"
  },
  {
    "group": "rbac.authorization.k8s.io",
    "kind": "PolicyRule",
    "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["operator.ccos.io"],"resources":["cwpservices","ccosmysqldatabases","productservices","servicedescriptions","alertproducts","alertproductmetrics","alertproductrules","inspectiongroups","productspecs","lifecycleservices","inspectionitems"]}",
    "status": "Satisfied",
    "version": "v1"
  },
  {
    "group": "rbac.authorization.k8s.io",
    "kind": "PolicyRule",
    "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["ccosredis.operator.ccos.io"],"resources":["redisreplications"]}",
    "status": "Satisfied",
    "version": "v1"
  },
  {
    "group": "rbac.authorization.k8s.io",
    "kind": "PolicyRule",
    "message": "cluster
rule:{"verbs":["update"],"apiGroups":["operator.ccos.io"],"resources":["cwpservices/finalizers"]}",
    "status": "Satisfied",
    "version": "v1"
  }

```



```

    },
    {
      "group": "rbac.authorization.k8s.io",
      "kind": "PolicyRule",
      "message": "cluster
rule:{"verbs":["get","patch","update"],"apiGroups":["operator.ccos.io"],"resources":["cwps
ervices/status"]}",
      "status": "Satisfied",
      "version": "v1"
    },
    {
      "group": "rbac.authorization.k8s.io",
      "kind": "PolicyRule",
      "message": "cluster
rule:{"verbs":["*"],"apiGroups":["apps"],"resources":["deployments","daemonsets","statef
ulsets","persistentvolumes"]}",
      "status": "Satisfied",
      "version": "v1"
    },
    {
      "group": "rbac.authorization.k8s.io",
      "kind": "PolicyRule",
      "message": "cluster
rule:{"verbs":["*"],"apiGroups":["policy"],"resources":["poddisruptionbudgets"]}",
      "status": "Satisfied",
      "version": "v1"
    },
    {
      "group": "rbac.authorization.k8s.io",
      "kind": "PolicyRule",
      "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["mon
itoring.coreos.com"],"resources":["servicemonitors"]}",
      "status": "Satisfied",
      "version": "v1"
    },
    {
      "group": "rbac.authorization.k8s.io",
      "kind": "PolicyRule",

```

```

        "message": "cluster
rule:{"verbs":["*"],"apiGroups":["rbac.authorization.k8s.io"],"resources":["clusterroles","clusterrolebindings","roles","rolebindings"]},
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["*"],"apiGroups":["ccos.io"],"resources":["blockdeviceclaims","blockdeviceclaims/status"]},
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["get"],"apiGroups":["config.ccos.io"],"resources":["infrastructures","apiservers"]},
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["list","watch"],"apiGroups":["config.ccos.io"],"resources":["infrastructures"]}
    },
    {
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["create","delete","get","patch","update","list","watch"],"apiGroups":["config.ccos.io"],"resources":["clusteroperators/status"]}

```

```

        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["create","delete","get","patch","update","list","watch"],"apiGroups":["conf
ig.ccos.io"],"resources":["clusteroperators"]}",
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["create"],"apiGroups":["authentication.k8s.io"],"resources":["tokenreviews\]}"}
,
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["create"],"apiGroups":["authorization.k8s.io"],"resources":["subjectaccessrevi
ews\]}"}
,
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["use"],"apiGroups":["security.ccos.io"],"resources":["securitycontextconstraint
s"],"resourceNames":["hostnetwork\]}"}
,
        "status": "Satisfied",
        "version": "v1"
    },

```

```

    {
      "group": "rbac.authorization.k8s.io",
      "kind": "PolicyRule",
      "message": "cluster
rule:{"verbs":["list","watch"],"apiGroups":["discovery.k8s.io"],"resources":["endpointslices\
]}",
      "status": "Satisfied",
      "version": "v1"
    },
    {
      "group": "rbac.authorization.k8s.io",
      "kind": "PolicyRule",
      "message": "cluster
rule:{"verbs":["get","watch","list"],"apiGroups":["multicluster.ccos.io"],"resources":["cluste
rplannings\]}",
      "status": "Satisfied",
      "version": "v1"
    },
    {
      "group": "rbac.authorization.k8s.io",
      "kind": "PolicyRule",
      "message": "cluster
rule:{"verbs":["*"],"apiGroups":["doko.ccos.io"],"resources":["dokodemodoors\","dokodemo
doors/finalizers\]}",
      "status": "Satisfied",
      "version": "v1"
    },
    {
      "group": "rbac.authorization.k8s.io",
      "kind": "PolicyRule",
      "message": "cluster
rule:{"verbs":["create\","delete\","get\","list\","patch\","update\","watch\"],"apiGroups":["dok
o.ccos.io"],"resources":["dokodemogateways\","dokodemogateways/finalizers\]}",
      "status": "Satisfied",
      "version": "v1"
    },
    {
      "group": "rbac.authorization.k8s.io",
      "kind": "PolicyRule",

```

```

        "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["doko
o.ccos.io"],"resources":["dokodemoglobaldoors"]}
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["gate
way.networking.k8s.io"],"resources":["httproutes"]}
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["mari
adb.ccos.io"],"resources":["databases"]}
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["ope
rator.ccos.io"],"resources":["operationmenus","operationleftmenus"]}
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["ope
rator.ccos.io"],"resources":["operationtopbarmenus"]}

```

```

    "status": "Satisfied",
    "version": "v1"
  },
  {
    "group": "rbac.authorization.k8s.io",
    "kind": "PolicyRule",
    "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["operator.ccos.io"],"resources":["operationusers"]}",
    "status": "Satisfied",
    "version": "v1"
  },
  {
    "group": "rbac.authorization.k8s.io",
    "kind": "PolicyRule",
    "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["operator.ccos.io"],"resources":["securitycontextconstraints"]}",
    "status": "Satisfied",
    "version": "v1"
  },
  {
    "group": "rbac.authorization.k8s.io",
    "kind": "PolicyRule",
    "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["operator.ccos.io"],"resources":["tenantleftmenus"]}",
    "status": "Satisfied",
    "version": "v1"
  },
  {
    "group": "rbac.authorization.k8s.io",
    "kind": "PolicyRule",
    "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["operator.ccos.io"],"resources":["tenantmenus"]}",
    "status": "Satisfied",
    "version": "v1"
  },

```

```

    {
      "group": "rbac.authorization.k8s.io",
      "kind": "PolicyRule",
      "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["operator.ccos.io"],"resources":["tenanttopbarmenus"]}"}",
      "status": "Satisfied",
      "version": "v1"
    },
    {
      "group": "rbac.authorization.k8s.io",
      "kind": "PolicyRule",
      "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["operator.ccos.io"],"resources":["transportusers","ProductService"]}"}",
      "status": "Satisfied",
      "version": "v1"
    },
    {
      "group": "rbac.authorization.k8s.io",
      "kind": "PolicyRule",
      "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["paa
s.ccos.io"],"resources":["kafkaclusters","redis"]}"}",
      "status": "Satisfied",
      "version": "v1"
    },
    {
      "group": "rbac.authorization.k8s.io",
      "kind": "PolicyRule",
      "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["rbac
.authorization.k8s.io"],"resources":["clusterrolebindings"]}"}",
      "status": "Satisfied",
      "version": "v1"
    },
    {
      "group": "rbac.authorization.k8s.io",
      "kind": "PolicyRule",

```

```

        "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["rbac
.authorization.k8s.io"],"resources":["clusterroles"]}
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["rbac
.authorization.k8s.io"],"resources":["rolebindings"]}
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["rbac
.authorization.k8s.io"],"resources":["roles"]}
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["rout
e.ccos.io"],"resources":["routes","routes/custom-host"]}
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["create"],"apiGroups":["authentication.k8s.io"],"resources":["tokenreviews"]}

```



```

        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["create"],"apiGroups":["authorization.k8s.io"],"resources":["subjectaccessreviews"]}",
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["create","delete","get","list","patch","update","watch"],"apiGroups":["operator.ccos.io"],"resources":["cwpservices"]}",
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["update"],"apiGroups":["operator.ccos.io"],"resources":["cwpservices/finalizers"]}",
        "status": "Satisfied",
        "version": "v1"
    },
    {
        "group": "rbac.authorization.k8s.io",
        "kind": "PolicyRule",
        "message": "cluster
rule:{"verbs":["get","patch","update"],"apiGroups":["operator.ccos.io"],"resources":["cwpservices/status"]}",
        "status": "Satisfied",
        "version": "v1"
    },

```

```

    {
      "group": "rbac.authorization.k8s.io",
      "kind": "PolicyRule",
      "message": "cluster
rule:{\"verbs\":[\"create\"],\"apiGroups\":[\"authentication.k8s.io\"],\"resources\":[\"tokenreviews\"]}"
,
      "status": "Satisfied",
      "version": "v1"
    },
    {
      "group": "rbac.authorization.k8s.io",
      "kind": "PolicyRule",
      "message": "cluster
rule:{\"verbs\":[\"create\"],\"apiGroups\":[\"authorization.k8s.io\"],\"resources\":[\"subjectaccessreviews\"]}",
      "status": "Satisfied",
      "version": "v1"
    },
    {
      "group": "rbac.authorization.k8s.io",
      "kind": "PolicyRule",
      "message": "cluster
rule:{\"verbs\":[\"create\",\"delete\",\"get\",\"list\",\"patch\",\"update\",\"watch\"],\"apiGroups\":[\"admissionregistration.k8s.io\"],\"resources\":[\"validatingwebhookconfigurations\"]}",
      "status": "Satisfied",
      "version": "v1"
    }
  ],
  "group": "",
  "kind": "ServiceAccount",
  "message": "",
  "name": "cwp-operator-controller-manager",
  "status": "Present",
  "version": "v1"
}
]
}
}
}

```

1.6.8 状态码

状态码	描述
200	成功
400	请求错误
500	服务内部错误