



Red Hat OpenShift GitOps 1.12

管理资源使用

为 Argo CD 工作负载配置资源请求和限值

为 Argo CD 工作负载配置资源请求和限值

法律通告

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摘要

本文档提供有关使用资源请求和限值配置工作负载的说明。它还讨论了如何修补 Argo CD 实例，以便在安装后更新所有或任何工作负载的资源要求。

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第 1 章 配置资源配额或请求

使用 Argo CD 自定义资源(CR)，您可以为 Argo CD 工作负载创建、更新和删除资源请求和限值。

1.1. 使用资源请求和限值配置工作负载

您可以使用资源请求和限值创建 Argo CD 自定义资源工作负载。当您要在配置了资源配额的命名空间中部署 Argo CD 实例时，这是必需的。

以下 Argo CD 实例部署 Argo CD 工作负载，如 **Application Controller**、**ApplicationSet Controller**、**Dex**、**Redis**、**Repo Server**，和 **Server**，以及带有资源请求和限值的 **Server**。您还可以以同样的方式创建具有资源要求的其他工作负载。

```
apiVersion: argoproj.io/v1beta1
kind: ArgoCD
metadata:
  name: example
spec:
  server:
    resources:
      limits:
        cpu: 500m
        memory: 256Mi
      requests:
        cpu: 125m
        memory: 128Mi
    route:
      enabled: true
  applicationSet:
    resources:
      limits:
        cpu: '2'
        memory: 1Gi
      requests:
        cpu: 250m
        memory: 512Mi
  repo:
    resources:
      limits:
        cpu: '1'
        memory: 512Mi
      requests:
        cpu: 250m
        memory: 256Mi
  dex:
    resources:
      limits:
        cpu: 500m
        memory: 256Mi
      requests:
        cpu: 250m
        memory: 128Mi
  redis:
    resources:
      limits:
```

```
cpu: 500m
memory: 256Mi
requests:
  cpu: 250m
  memory: 128Mi
controller:
  resources:
    limits:
      cpu: '2'
      memory: 2Gi
    requests:
      cpu: 250m
      memory: 1Gi
```

1.2. 修补 ARGO CD 实例以更新资源要求

您可在安装后更新所有或任何工作负载的资源要求。

流程

更新 Argo CD 命名空间中的 Argo CD 实例的 **Application Controller** 资源请求。

```
oc -n argocd patch argocd example --type='json' -p='[{"op": "replace", "path":
"/spec/controller/resources/requests/cpu", "value": "1"}]'
```

```
oc -n argocd patch argocd example --type='json' -p='[{"op": "replace", "path":
"/spec/controller/resources/requests/memory", "value": "512Mi"}]'
```

1.3. 删除资源请求

您还可以在安装后删除所有或任何工作负载的资源要求。

流程

删除 Argo CD 命名空间中的 Argo CD 实例的 **Application Controller** 资源请求。

```
oc -n argocd patch argocd example --type='json' -p='[{"op": "remove", "path":
"/spec/controller/resources/requests/cpu"}]'
```

```
oc -n argocd argocd patch argocd example --type='json' -p='[{"op": "remove", "path":
"/spec/controller/resources/requests/memory"}]'
```