

HCL CDP v12.1.8 Upgrade Guide



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Chapter 1. Introduction

This document provides step-by-step instructions to upgrade an earlier version of HCL CDP to a newer version. It details prerequisites, available upgrade methods, and post-upgrade validation steps to ensure a successful upgrade process. Follow the instructions carefully to upgrade to the desired version:

Upgrade paths:

- From HCL CDP 12.1.8 to 12.1.8.x

Upgrades can be performed using one of the following methods:

- Devtron interface
- Helm command-line tools

Chapter 2. Prerequisites

Before you upgrade the application, make sure the following things are in place:

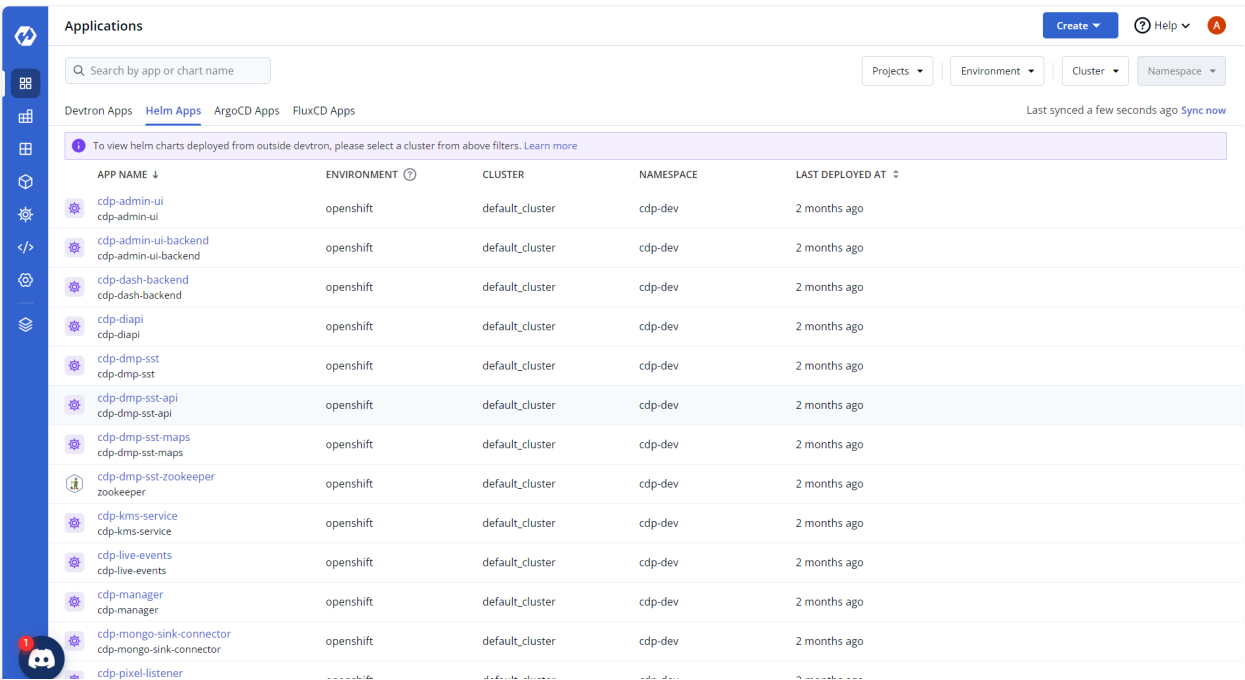
- **Prepare Docker Images:**
 - Download the required application Docker images.
 - Push these images to your Docker registry.
- **Prepare Helm Charts:**
 - Download the required Helm charts.
 - Push the charts to the Devtron chart repository or a container registry.

Chapter 3. Upgrade Process

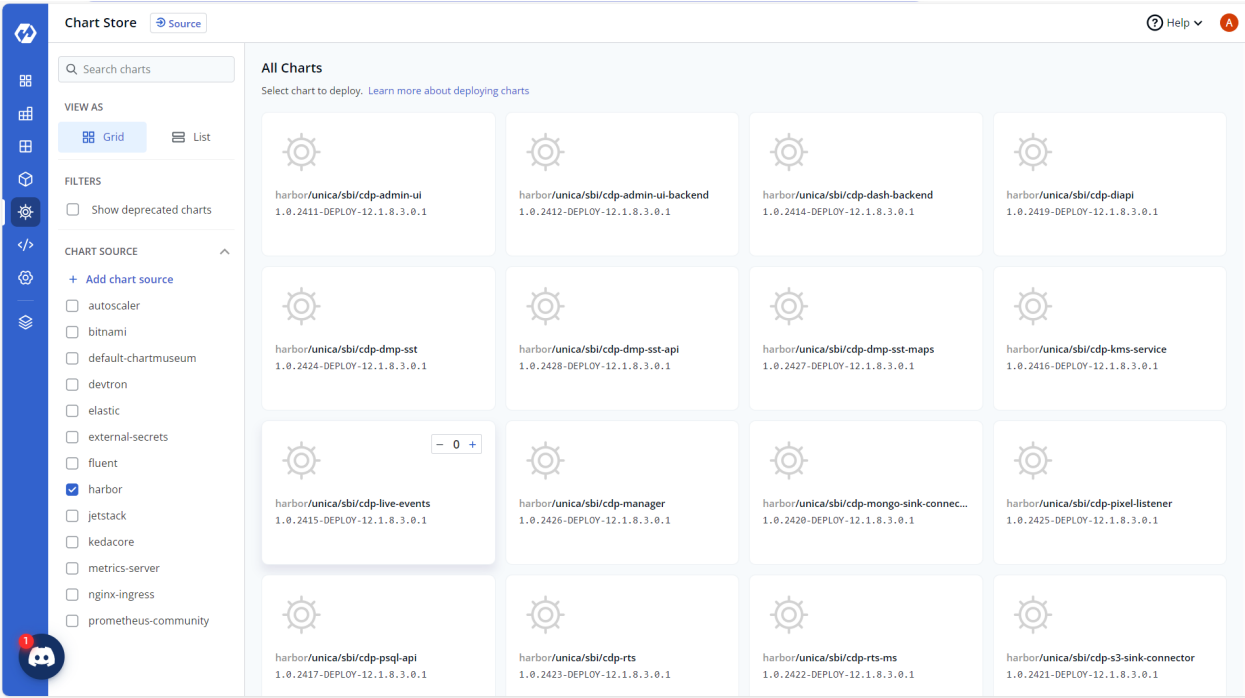
Upgrade via Devtron

To sync Helm Charts from Devtron chart store, follow the steps below:

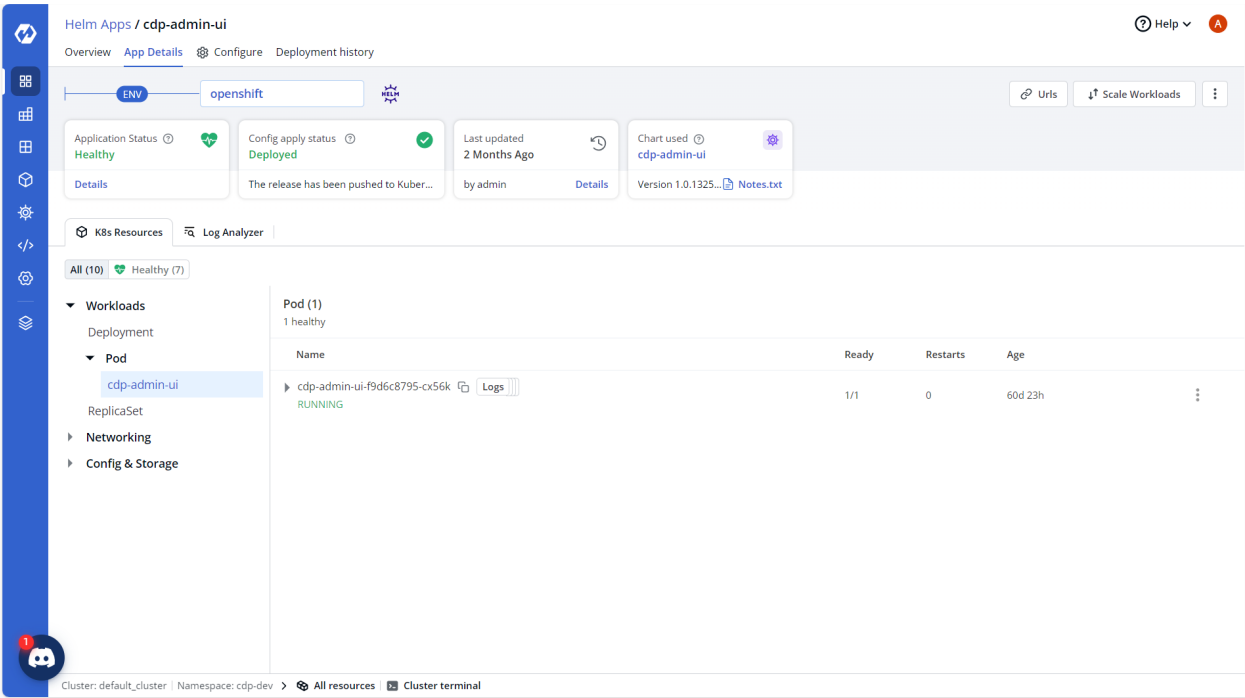
- 1. To locate application, navigate to the **Helm Apps** section in the **Devtron** dashboard.



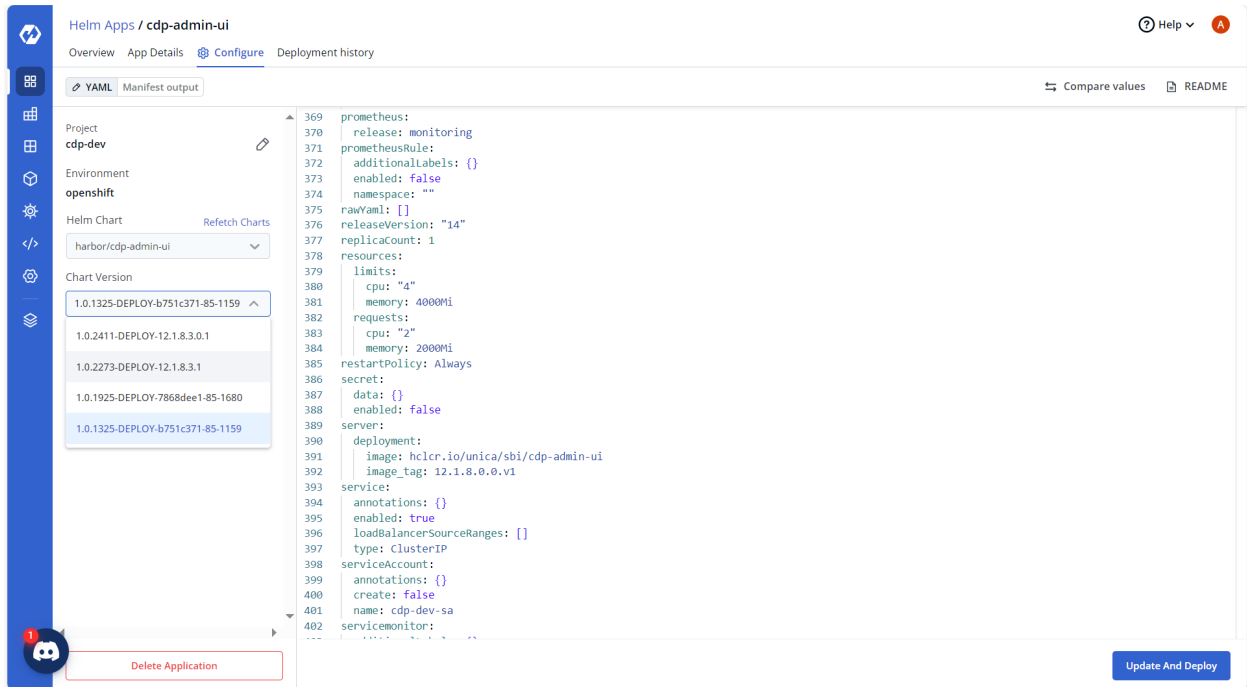
- 2. Confirm whether the latest version of helm charts are synced up in the **Devtron** store.



3. Identify and select the application to be upgraded.

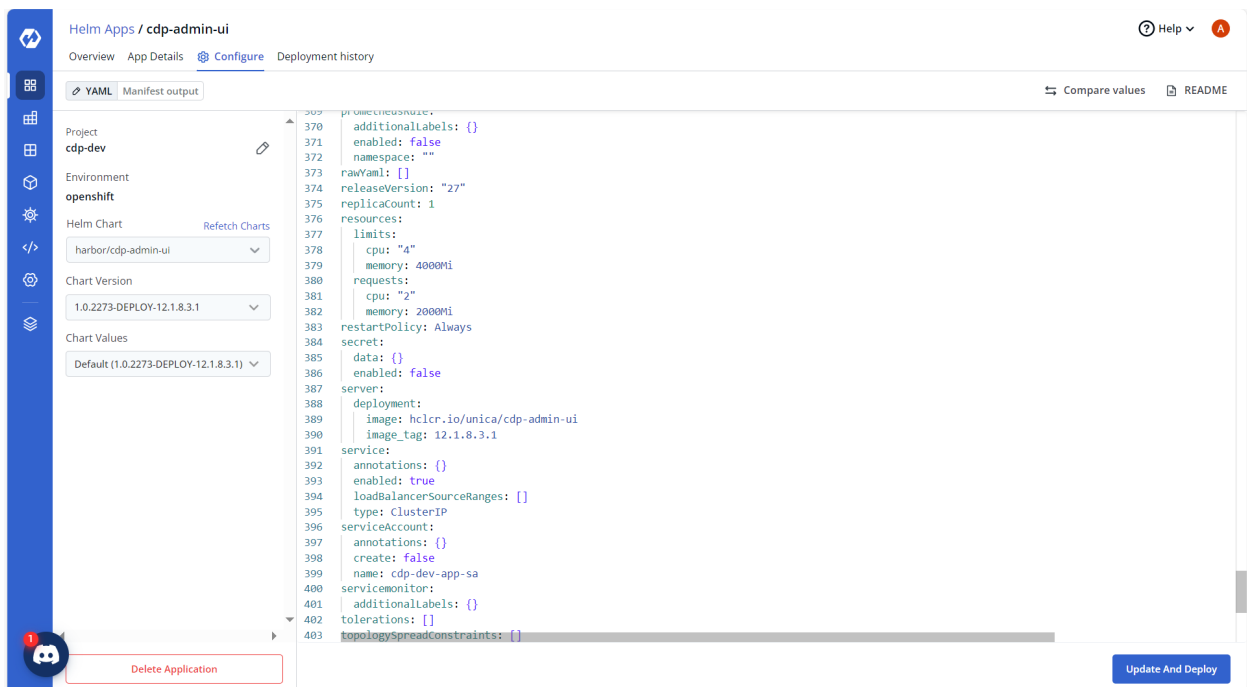


4. Open the **Configure** section and confirm that a new chart version is available for upgrade.



5. Select the latest chart version.

6. Review and update the chart values to match the desired configuration.



7. Update the image repository and tag details as required.

Helm Apps / cdp-admin-ui

Overview App Details **Configure** Deployment history

YAML Manifest output

Project: cdp-dev

Environment: openshift

Helm Chart: harbor/cdp-admin-ui

Chart Version: 1.0.2273-DEPLOY-12.1.8.3.1

Chart Values: Default (1.0.2273-DEPLOY-12.1.8.3.1)

```

377 limits:
378   cpu: "4"
379   memory: 4800Mi
380   requests:
381     cpu: "2"
382     memory: 2000Mi
383 restartPolicy: Always
384 secret:
385   data: {}
386   enabled: false
387 server:
388   deployment:
389     image: hclcr.io/unica/cdp-admin-ui
390     image_tag: 12.1.8.3.1
391 service:
392   annotations: {}
393   enabled: true
394   loadBalancerSourceRanges: []
395   type: ClusterIP
396 serviceAccount:
397   annotations: {}
398   create: false
399   name: cdp-dev-app-sa
400 serviceMonitor:
401   additionalLabels: {}
402 tolerations: []
403 topologySpreadConstraints: []
404 volumeMounts:
405   - mountPath: /etc/secrets
406     name: secrets-vol
407 volumes:
408   - emptyDir: {}
409     name: secrets-vol
410 waitForSecondsBeforeScalingDown: 30
411

```

Delete Application

Update And Deploy

8. Update the relevant ConfigMap values to reflect the new settings.

Helm Apps / cdp-admin-ui

Overview App Details **Configure** Deployment history

YAML Manifest output

Project: cdp-dev

Environment: openshift

Helm Chart: harbor/cdp-admin-ui

Chart Version: 1.0.1325-DEPLOY-b751c371-85-1159

Chart Values: cdp-ad... (1.0.1325-DEPLOY-b751c371-85-1159)

```

1 ConfigMaps:
2   enabled: true
3   maps:
4     - data:
5         REACT_APP_ADMIN_UI_BACKEND: https://cdp-admin-ui-backend-service.apps.lon-int-ocp415-sbi.hclcnlabs.com/api
6         REACT_APP_BYPASS_GOOGLE_OAUTH: "0"
7         REACT_APP_CAMPAGN_ID: VIZVRM6853
8         REACT_APP_REST_API: ""
9     esoSecretData: {}
10   external: false
11   externalType: ""
12   filePermission: ""
13   mountPath: ""
14   name: admin-ui
15   roleARN: ""
16   subPath: false
17   type: environment
18 ConfigSecrets:
19   enabled: false
20   secrets: []
21 ContainerPort:
22   - envoyPort: 8799
23     idleTimeout: 1800s
24     name: app
25     port: 3000
26     servicePort: 80
27     supportStreaming: false
28     useHTTP2: false
29 EnvVariables: []
30 EnvVariablesFromConfigMapKeys: []
31 EnvVariablesFromFieldPath: []
32 EnvVariablesFromSecretKeys: []
33 GracePeriod: 30
34 LivenessProbe:
35   - path: ""

```

Delete Application

Update And Deploy

9. To deploy the upgrade, click **Update and Deploy**.

Helm Apps / cdp-admin-ui

Overview App Details **Configure** Deployment history

YAML Manifest output

Project: cdp-dev

Environment: openshift

Helm Chart: harbor/cdp-admin-ui

Chart Version: 1.0.1325-DEPLOY-b751c371-85-1159

Chart Values: cdp-ad... (1.0.1325-DEPLOY-b751c371-85-1159)

```

1 ConfigMaps:
2   enabled: true
3   maps:
4     - data:
5         REACT_APP_ADMIN_UI_BACKEND: https://cdp-admin-ui-backend-service.apps.lon-int-ocp415-sbi.hclcnlabs.com/api
6         REACT_APP_BYPASS_GOOGLE_OAUTH: "0"
7         REACT_APP_CAMPAIGN_ID: VIZVRM6853
8         REACT_APP_REST_API: ""
9     esoSecretData: {}
10    external: false
11    externalType: ""
12    filePermission: ""
13    mountPath: ""
14    name: admin-ui
15    roleARN: ""
16    subPath: false
17    type: environment
18 ConfigSecrets:
19   enabled: false
20   secrets: []
21 ContainerPort:
22   - envoyPort: 8799
23   idleTimeout: 1800s
24   name: app
25   port: 3000
26   servicePort: 80
27   supportStreaming: false
28   useHTTP2: false
29 EnvVariables: []
30 EnvVariablesFromConfigMapKeys: []
31 EnvVariablesFromFieldPath: []
32 EnvVariablesFromSecretKeys: []
33 GracePeriod: 30
34 LivenessProbe:
35   path: ""
  
```

Delete Application

Update And Deploy

10. Confirm that the older pods are terminated and new pods are running successfully.

Helm Apps / cdp-admin-ui

Overview **App Details** Configure Deployment history

ENV openshift

Application Status: Healthy

Config apply status: Deployed

Last updated: 2 Months Ago

Chart used: cdp-admin-ui

Details

The release has been pushed to Kuber...

by admin

Version 1.0.1325... Notes.txt

K8s Resources Log Analyzer

All (10) Healthy (7)

Workloads

Deployment

Pod

cdp-admin-ui

ReplicaSet

Networking

Config & Storage

Pod (1)

1 healthy

Name	Ready	Restarts	Age
cdp-admin-ui-f9d6c8795-cx56k	1/1	0	60d 23h

Log Analyzer

Cluster: default_cluster | Namespace: cdp-dev

All resources Cluster terminal

Upgrade via Helm Command

To upgrade the helm charts via helm command, follow the steps below:

1. Update the values.yaml file to modify the image repository, image tags, and any specific configuration values.
2. Run the following Helm Command to upgrade the charts:

```
helm upgrade <release-name> <chart-path> -f values.yaml
```

In the above command, replace *<release-name>* with the name of your existing deployment and *<chart-path>* with the path to the updated chart directory.

Chapter 4. Validation Post-Upgrade

After the successful upgrade, perform the following steps to ensure the system is functioning as expected:

1. Verify that all pods are running without errors.
2. Validate the application's functionality and configurations, after deployment.