



Red Hat CodeReady Containers 1.0

Release Notes and Known Issues

Highlighted features and identified problems in CodeReady Containers 1.0

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Abstract

This document lists and briefly describes new and improved features of CodeReady Containers 1.0. It also contains information about potential problems you may encounter while using the software. Where possible, workarounds are described for identified issues.

Table of Contents

PART I. RELEASE NOTES	3
CHAPTER 1. COMPONENT VERSIONS	4
CHAPTER 2. CHANGES AND IMPROVEMENTS	5
2.1. NEW FEATURES	5
PART II. KNOWN ISSUES	6
CHAPTER 3. GENERAL ISSUES	7
3.1. EMBEDDED CERTIFICATES EXPIRE AFTER 30 DAYS	7
3.2. METRICS ARE DISABLED BY DEFAULT	7
ADDITIONAL RESOURCES	7

PART I. RELEASE NOTES

This section documents the most important features and bug fixes in the CodeReady Containers 1.0 product.

CHAPTER 1. COMPONENT VERSIONS

CodeReady Containers 1.0 is shipped with the following versions of the main components:

Table 1.1. CodeReady Containers, Component versions

Component	Version
OpenShift Container Platform	4.2.0
OpenShift client binary (oc)	v4.3.0

CHAPTER 2. CHANGES AND IMPROVEMENTS

This section highlights some of the notable changes introduced in CodeReady Containers 1.0.

2.1. NEW FEATURES

- CodeReady Containers brings a minimal, preconfigured OpenShift Container Platform 4.2 cluster to your local laptop or desktop computer for development and testing purposes. CodeReady Containers is delivered as a Red Hat Enterprise Linux virtual machine that supports native hypervisors for Linux, macOS, and Microsoft Windows 10.
 - CodeReady Containers is designed for local development and testing on an OpenShift 4 cluster. To run an OpenShift 3 cluster locally, see [Red Hat Container Development Kit](#).
- Start a local OpenShift 4 cluster with two commands:
 - The **crc setup** command performs operations to set up the prerequisites for your host environment.
 - Once set up is complete, the **crc start** command handles interaction with the hypervisor and deploys the OpenShift cluster.
- CodeReady Containers includes a cached **oc** binary for interacting with the OpenShift cluster. Follow the instructions printed by the **crc oc-env** command to add the cached **oc** binary to your **PATH**.

PART II. KNOWN ISSUES

This section describes issues that users of CodeReady Containers 1.0 may encounter, as well as possible workarounds for these issues.

CHAPTER 3. GENERAL ISSUES

Issues affecting all supported platforms.

3.1. EMBEDDED CERTIFICATES EXPIRE AFTER 30 DAYS

Each released **crc** binary includes an embedded system bundle that expires 30 days after the release due to certificates embedded in the OpenShift cluster. Using an older **crc** binary or system bundle will result in an expired certificates error.

To resolve expired certificate errors:

1. [Download the latest CodeReady Containers release](#) and place the **crc** binary in your **\$PATH**.
2. Remove the cluster with certificate errors using the **crc delete** command:

```
$ crc delete
```



NOTE

The **crc delete** command will result in the loss of data stored in the CodeReady Containers virtual machine.

3. Set up the new release:

```
$ crc setup
```

4. Start the new cluster:

```
$ crc start
```

3.2. METRICS ARE DISABLED BY DEFAULT

To ensure CodeReady Containers can run on a typical laptop, some resource-heavy services are disabled by default. One of these services is Prometheus and all of the related monitoring, alerting, and telemetry functionality.

To start the monitoring, alerting, and telemetry services:

```
$ oc scale --replicas=1 statefulset --all -n openshift-monitoring; oc scale --replicas=1 deployment --all -n openshift-monitoring
```

ADDITIONAL RESOURCES

- See the [Red Hat CodeReady Containers Getting Started Guide](#) for an overview of CodeReady Containers features and an introduction to the use of **OpenShift Container Platform**.
- Report issues with CodeReady Containers or request new features using the [OpenShift Container Platform](#) product with the **crc** component on [Red Hat BugZilla](#).

