

Aim:

To explore the features provided by Cloud Resources in Eclipse with Redhat cloud account.

Concept:

Eclipse Che hosted by Red Hat is an open source product based on Eclipse Che that is running on OpenShift Dedicated. The new service is part of the Developer Sandbox for Red Hat OpenShift offering, and is using CodeReady Workspaces, which is built upon Eclipse Che and is optimized for Red Hat OpenShift and Red Hat Linux.

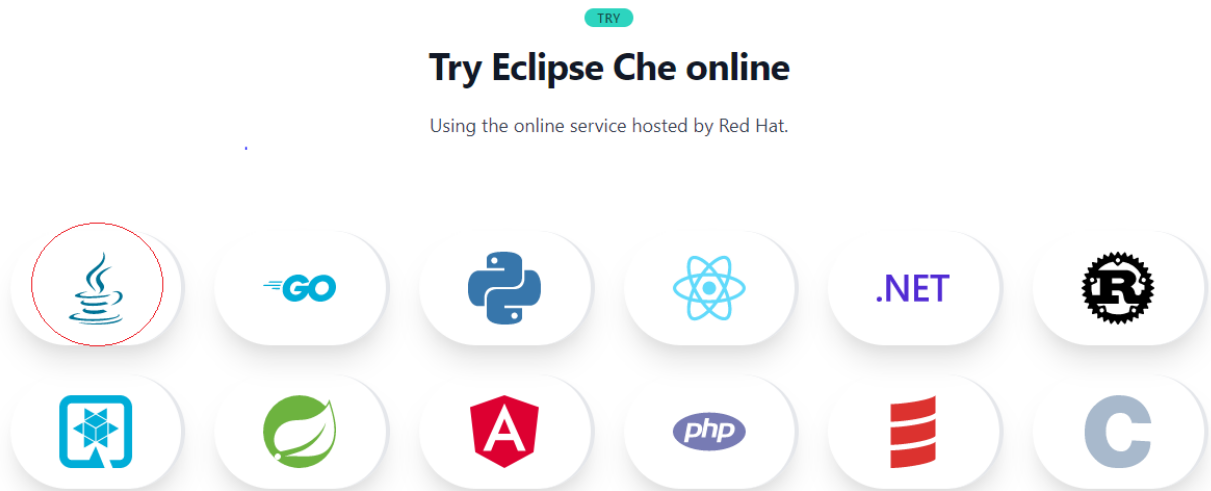
Process/Procedure:

1. Start <https://www.eclipse.org/che/getting-started/cloud/>
2. Try eclipse che online in cloud platform
3. Click any programming language icon.
4. Create an account in redhat sandbox
5. Launch our developer sandbox

Experiment

Step 1: Go to the link <https://www.eclipse.org/che/getting-started/cloud/>

Step 2: Select any programming language.



Step 3: Create an account

← → ↻ sso.redhat.com/auth/realms/redhat-external/login-actions/registration?client_id=crtoolchain-public&tab_id=7blZB7-o8A8

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lowercase letters, uppercase letters, numbers, and symbols.

☐ I have read and agree to all the terms and conditions below (check all boxes).

- ☐ * I have read and agree to the [Enterprise Agreement](#).
- ☐ * I have read and agree to the [Red Hat Developer Subscription for Individuals](#).

Email opt-in

☒ Receive email notifications of Red Hat Developer services and events, including invitations and reminders.

CREATE MY ACCOUNT

[« Back to login page](#)

Step 4: Launch a sandbox for redhat

← → ↻ developers.redhat.com/developer-sandbox/ide

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Overview

Get started in the Sandbox

Sandbox IDE

Use case activities

Start developing directly on OpenShift with CodeReady Workspaces

The Developer Sandbox comes pre-configured with [CodeReady Workspaces](#), Red Hat's productised version of Eclipse Che. You can quickly spin up a development environment with everything you need, all hosted on OpenShift.

Launch a workspace for an application directly from the OpenShift topology viewer to quickly view and make changes to the code!

Launch your Che Developer Sandbox for Red Hat OpenShift

About the technology

What is the difference between Eclipse Che and CodeReady Workspaces?

CodeReady Workspaces is built upon Eclipse Che and is optimized for Red Hat OpenShift and Red Hat Linux. It is built on RHEL 8. CodeReady Workspaces bundles a curated set of devfiles and plug-ins supported by Red Hat, whereas Eclipse Che has a broader set, including ones that are not supported in the product.

[Learn more about Eclipse Che.](#)

What are the limitations of using CodeReady Workspaces on the Developer Sandbox?

Featured resources

- ④ [Containerized Python Flask development on Red Hat OpenShift](#)
- ④ [Getting started with CodeReady Workspaces and Red Hat OpenShift Application Runtimes launcher](#)
- ④ [Streamline your JBoss EAP dev environment with](#)

Step 5: Fill the details for login

Contact Information

* First name:

* Last name:

* Country or Region:

* Address line 1:

Address line 2:

Address line 3:

* Postal code:

* City:

State:

← → ↻ developers.redhat.com/developer-sandbox/ide

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Welcome to the Developer Sandbox for Red Hat OpenShift

Access Red Hat's products and technologies without setup or configuration, and start developing quicker than ever before with our new, no-cost sandbox environments for **Red Hat OpenShift** and **CodeReady Workspaces**.

Try your hand at the technologies with our [library of activities](#) as well.

```
[your@sandbox ~]$ lscpu
RAM: 7GB
Storage: 15GB
Time limit: 30 days
Awesome: YES
```

Overview Get started in the Sandbox **Sandbox IDE** Use case activities

Step 7: Verify the mobile number

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Launch a workspace for an application directly from the OpenShift topology viewer to quickly view and make changes to the code!

Confirm your account via text

Country Code and Phone Number

+91

We require a valid phone number to reduce the creation of fraudulent accounts. Red Hat will not use this information for any other reason.

Cost may apply for receiving texts if abroad. Please consult with your service provider for details.

Overview Get started in the Sandbox **Sandbox IDE** Use case activities

Start developing directly on OpenShift with CodeReady Workspaces

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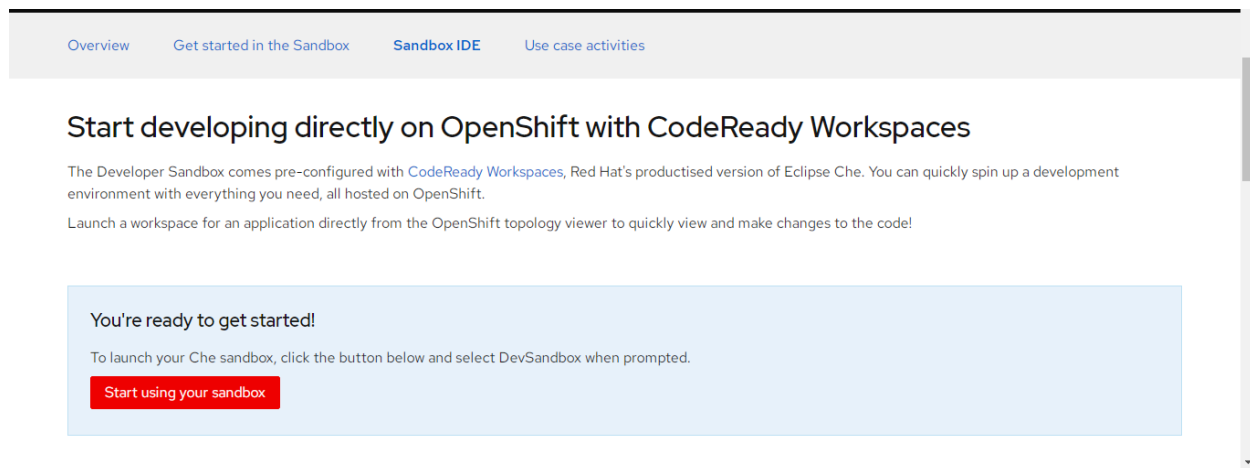
Confirm your account via text

Enter the code received by text

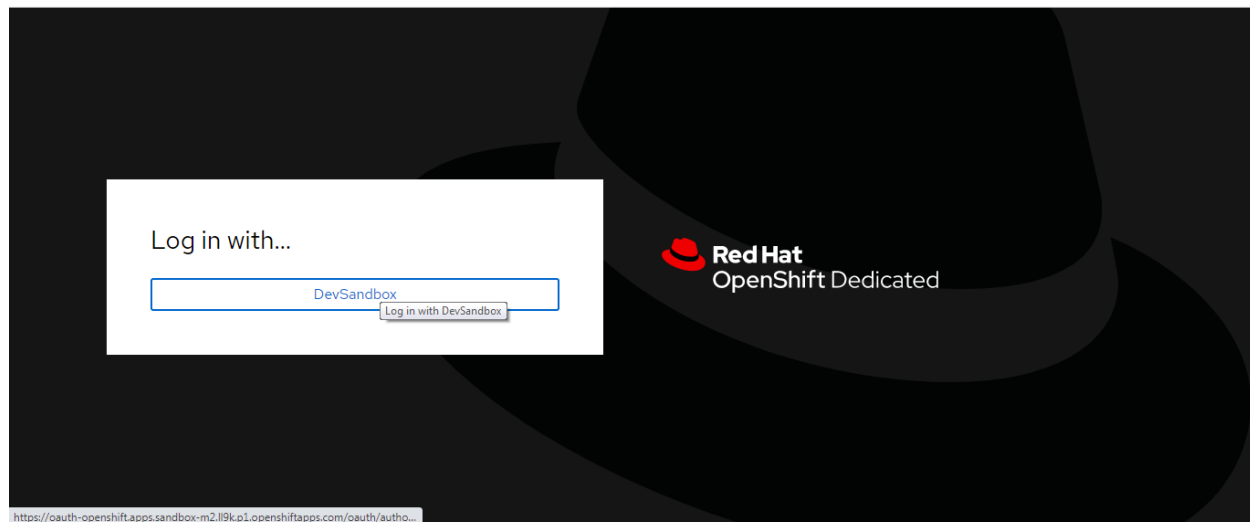
Didn't receive a code? [Resend](#)

Note: verification codes are sent from a US number, if you are outside the US your carrier may block international SMS. If you're having trouble, please email

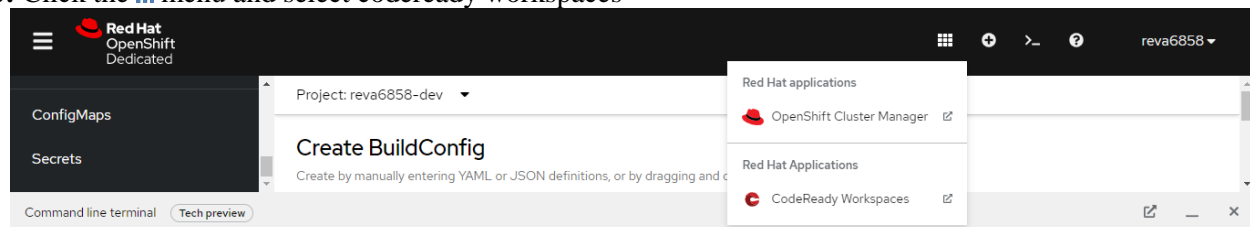
Step 8: Click the 'start using your sandbox'



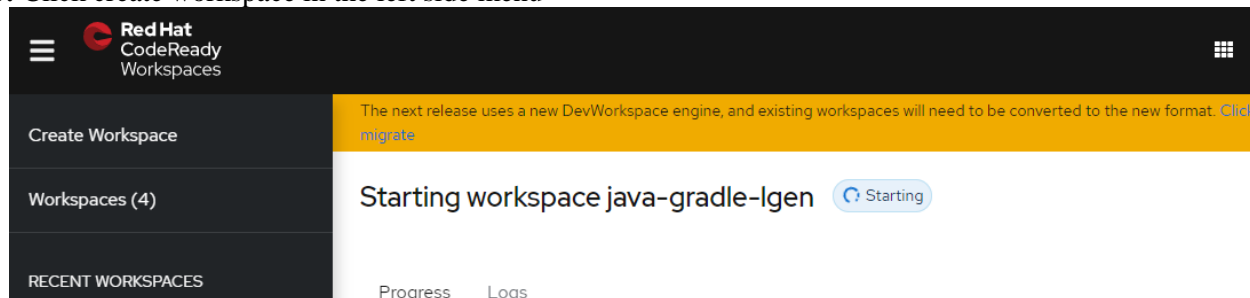
Step 9: Click the DevSandbox



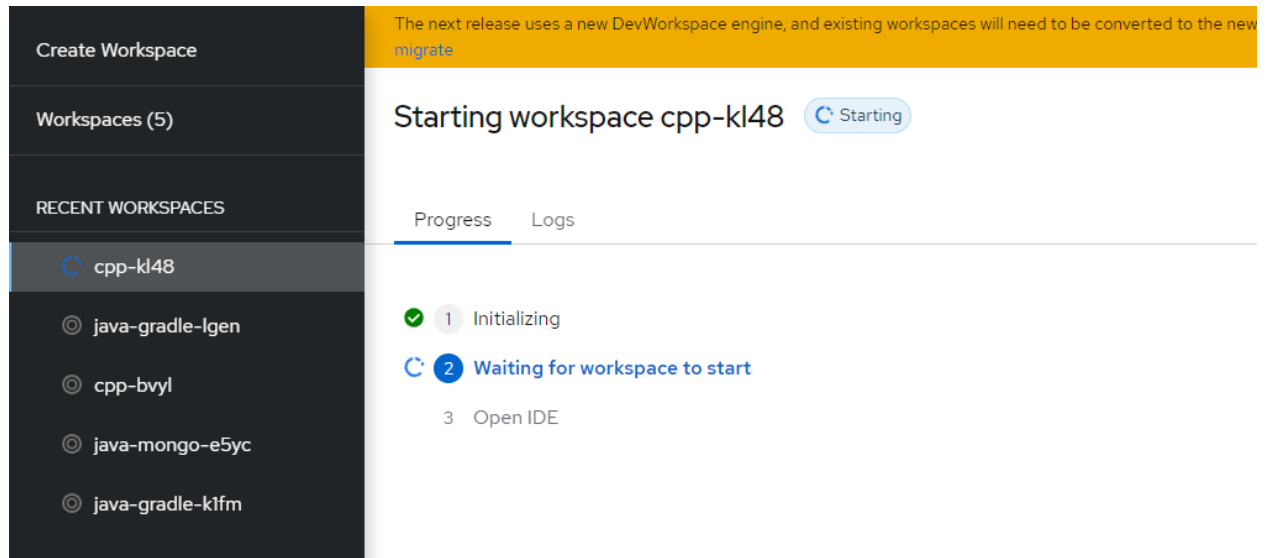
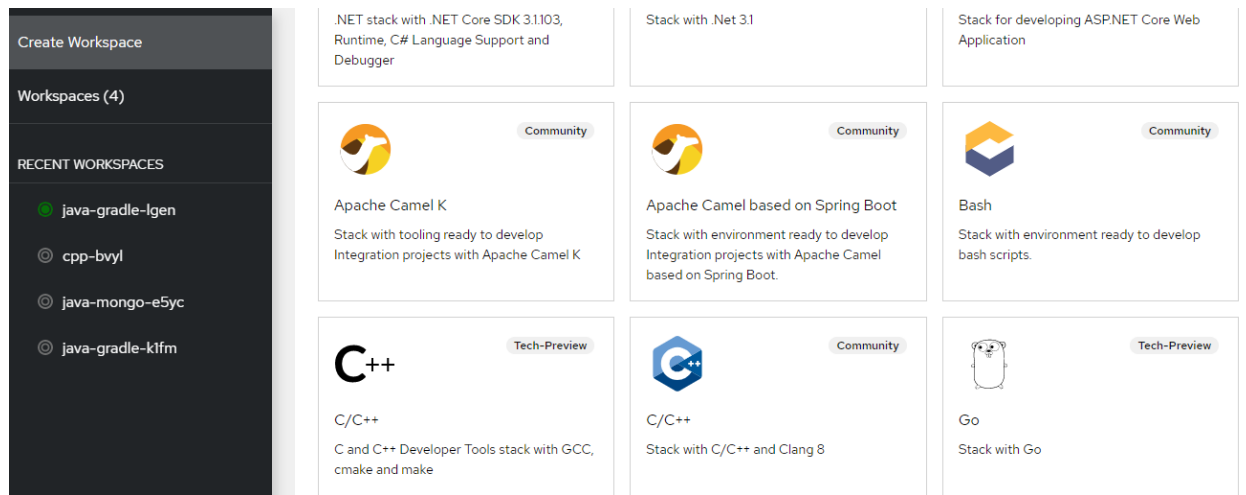
Step 10: Click the ☐ menu and select codeready workspaces



Step 10: Click create workspace in the left side menu



Step 11: Select the C++ language



Results:

Using the above steps services offered by Eclipse with Redhat cloud environment is explored.