# OpenShift Local Installation for Windows

To perform an OpenShift Local installation, you need a valid Red Hat Login. If you don't have one, go to www.redhat.com to create an account. The OpenShift Local instance will be associated with this login ID.

**Minimum Hardware Requirements**

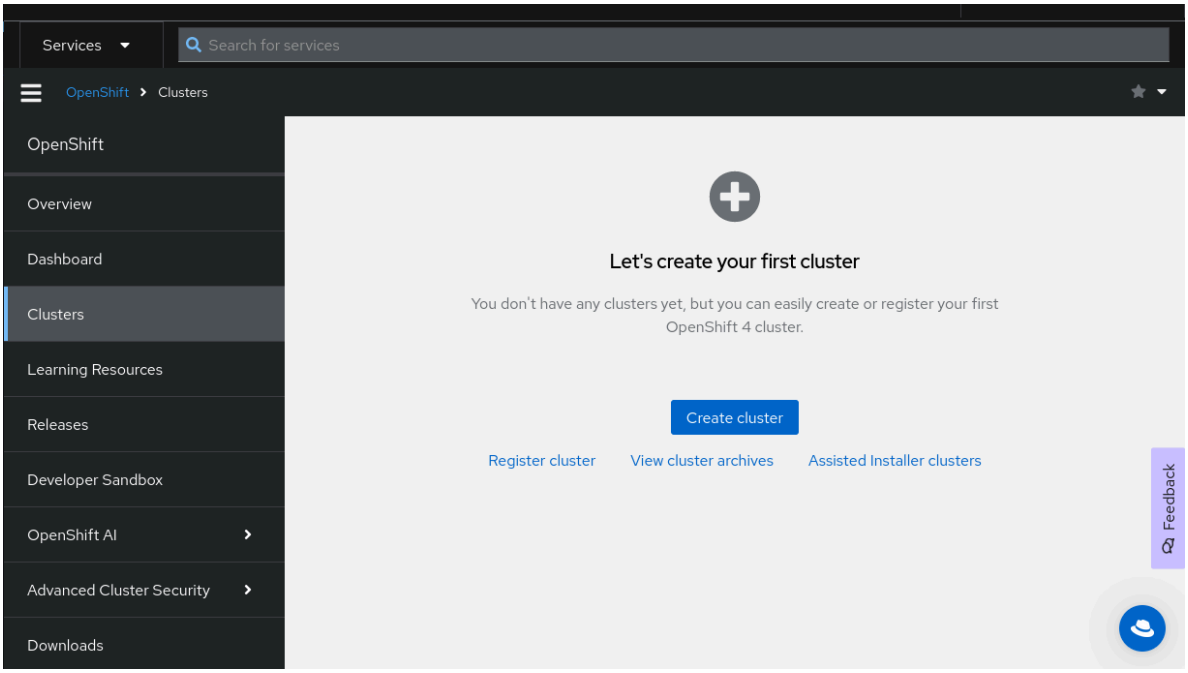
- 4 CPU cores
- 16 GiB Memory
- 50 GB Free Storage

**Installation Steps**

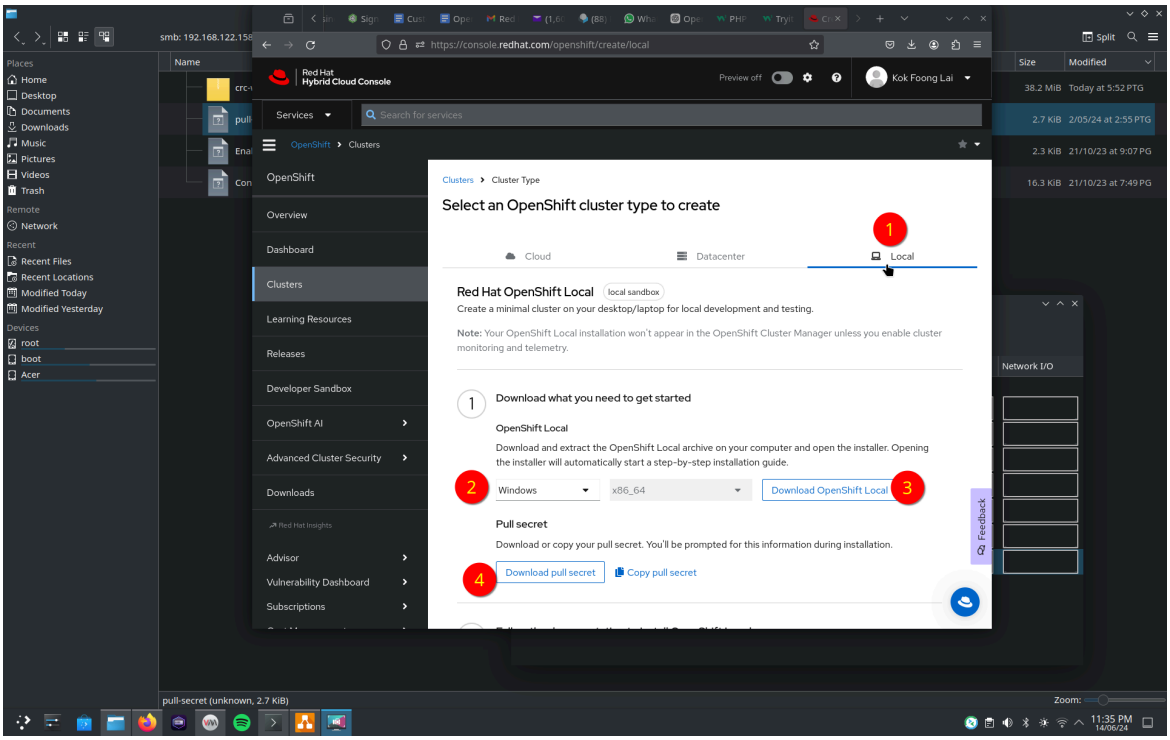
1. Login to OpenShift Console
    a. Go to https://console.redhat.com/openshift and log in with your Red Hat credentials.

2. Create a Cluster

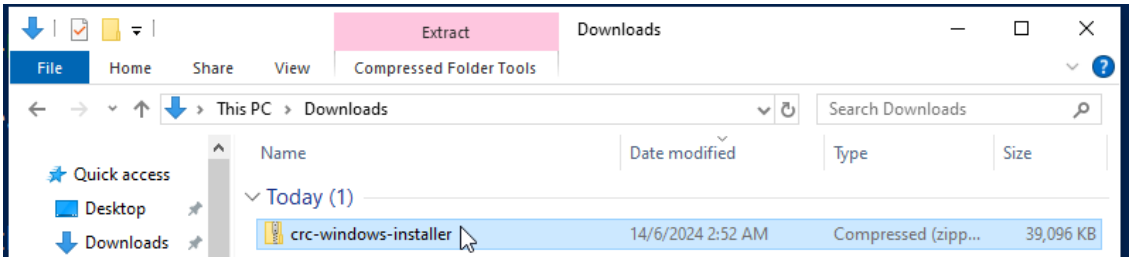
a. Click on “Create cluster”



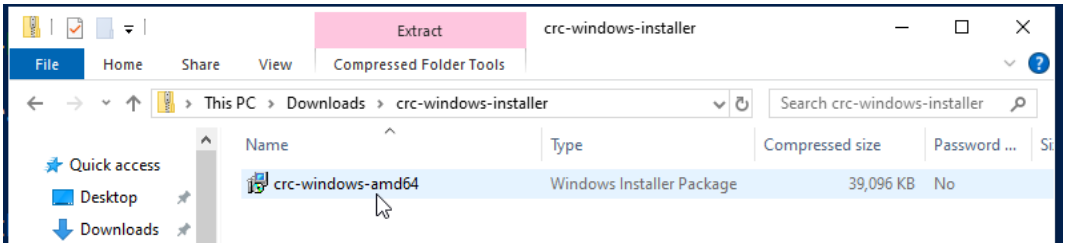
3. Download the Installer and Pull Secret
    a. Select the **Local** Tab, and choose **Windows** from the dropdown list.
    b. Download the installer by clicking the **Download OpenShift Local** button.
    c. Download the pull secret by clicking the **Download pull secret** button.



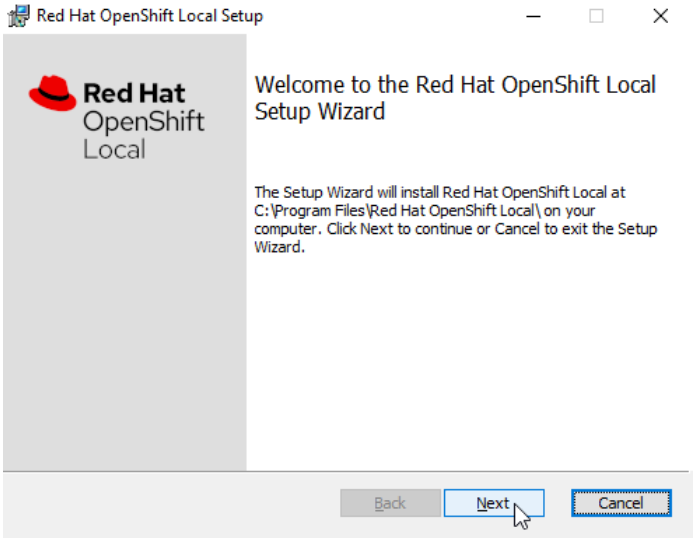

4. Run the Installer
    a. Open Windows Explorer and navigate to the Downloads folder.
    b. Double-click the ***crc-windows-installer*** file.



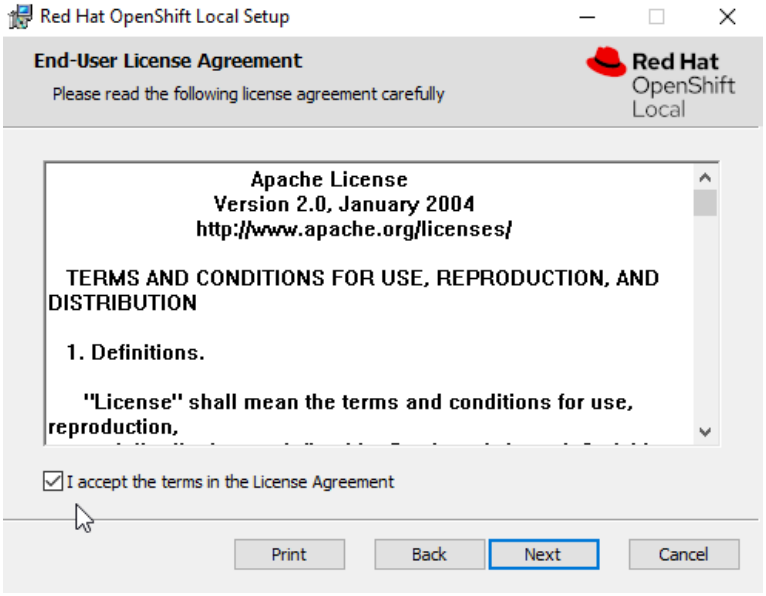
5. Installation Process
    a. Double-click the ***crc-windows-amd64*** installer.



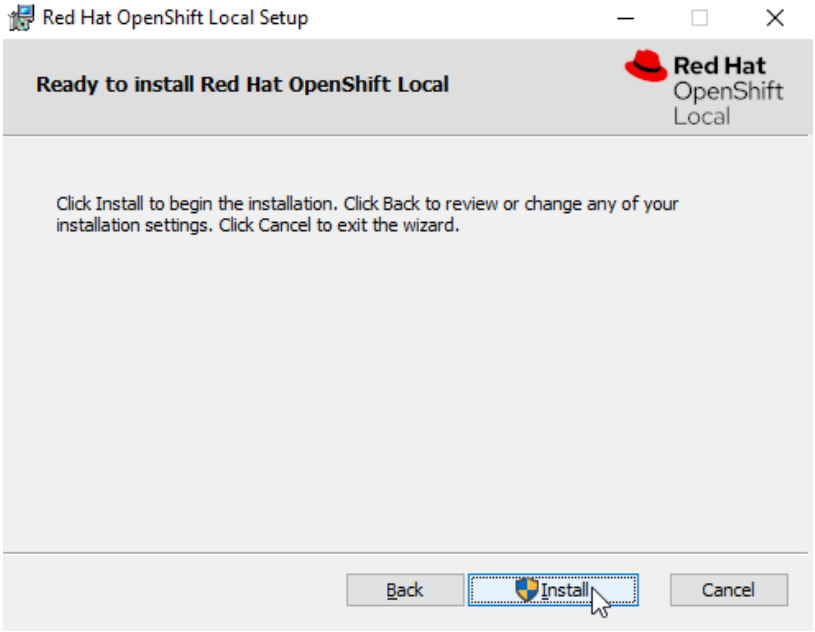

    b. Click ***Next*** in the installation dialog.



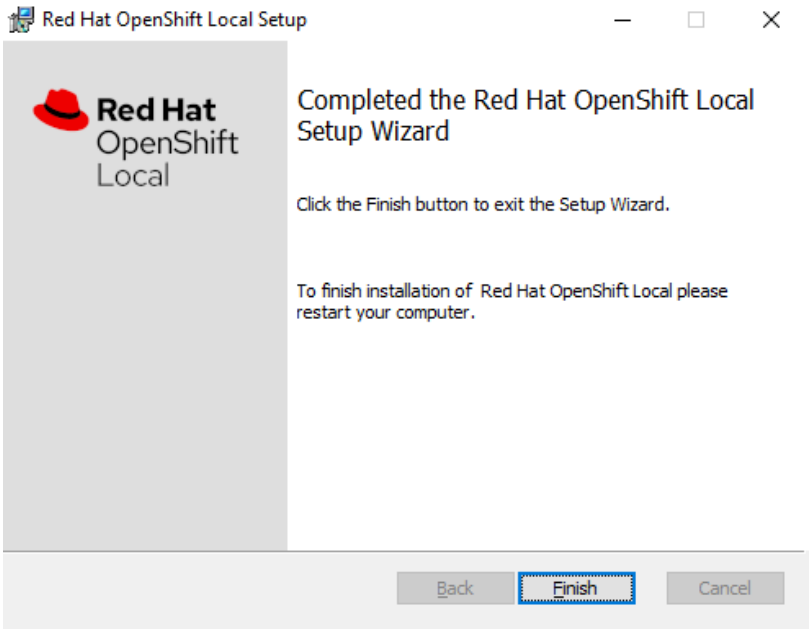
c. Accept the EULA and click ***Next***.



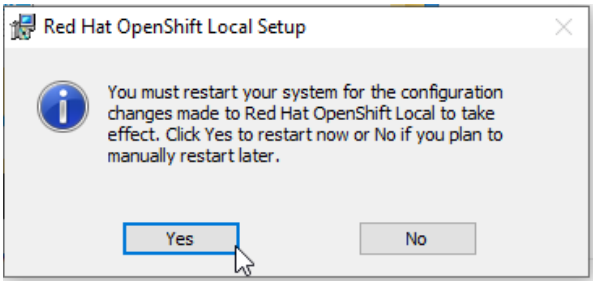

d. Click ***Install*** to proceed with the installation.



e. Once the installation finishes, click ***Finish***.

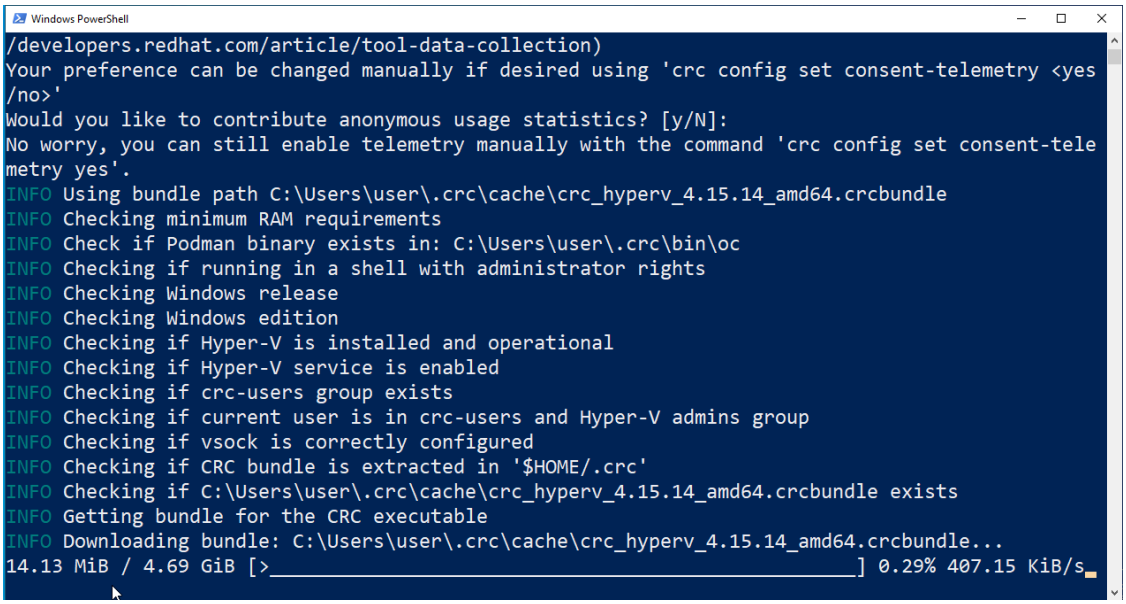



6. Reboot the Machine
    a. Restart your computer to complete the installation process.

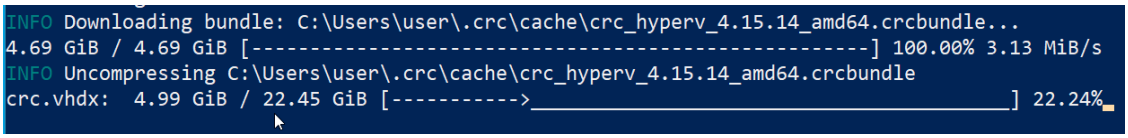



7. Setup the OpenShift Local Environment
    a. After the reboot, open a PowerShell terminal and type ***crc setup***.

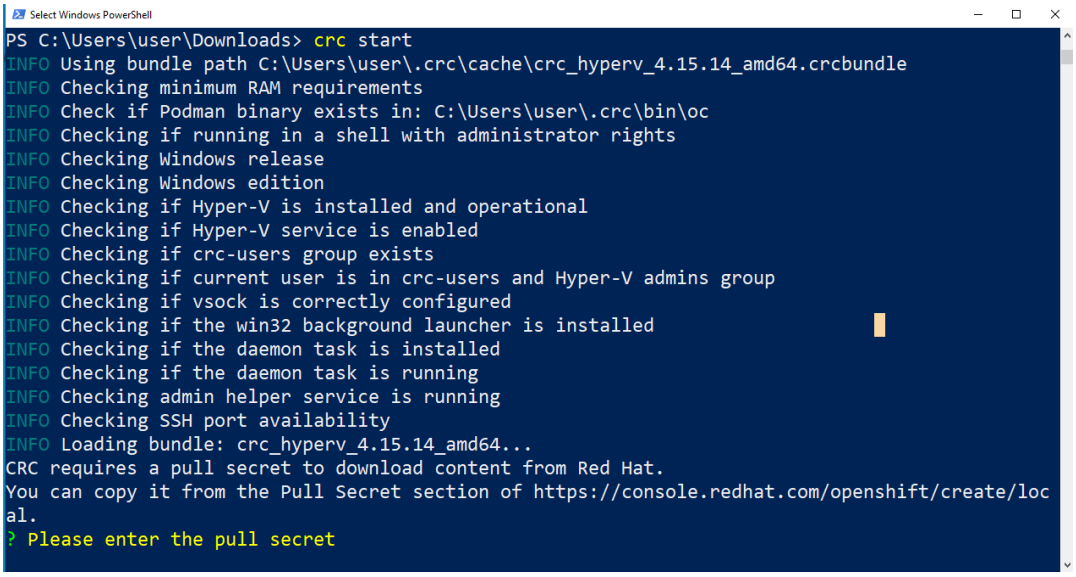
    Note: The image download size is approximately 4.69GiB.



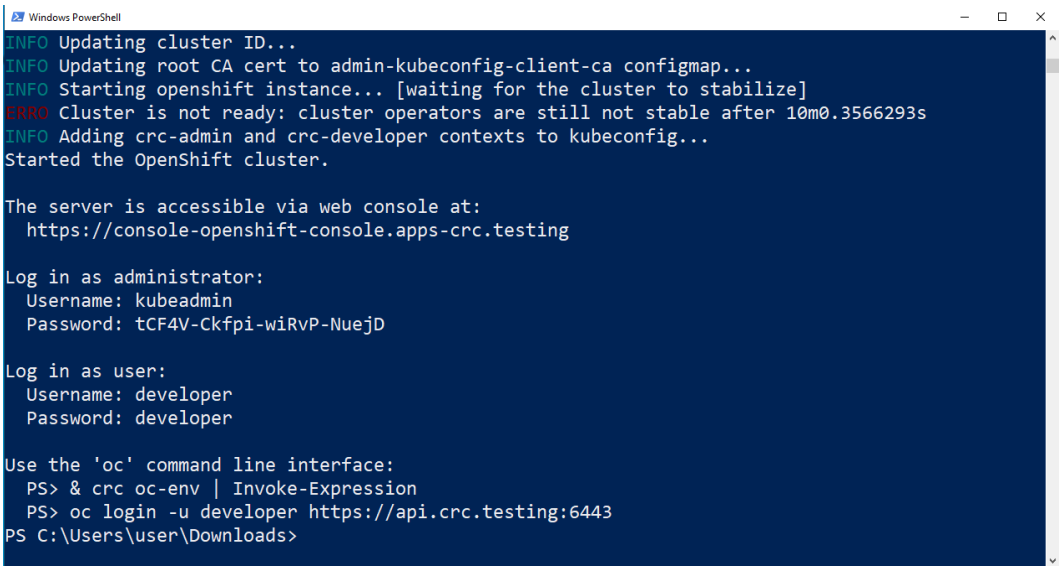

b. The image will be expanded (after the download completes), which will require approximately 22.45 GiB of storage space.




8. Start the OpenShift Cluster
    a. Start your OpenShift cluster by typing ***crc start*** in the PowerShell terminal.
    b. You will be prompted to paste your **pull-secret** file contents. This step is required only the first time you start the cluster.




9. Access Cluster Credentials
    a. When the startup finishes, you will be shown the credentials and URL needed to access your cluster.
    b. Note down the ***kubeadmin*** and ***developer*** passwords.




10. Access the OpenShift Console
    a. Access the cluster by going to the URL displayed earlier, ***https://console-openshift-console.apps-crc.testing***, or by typing ***crc***

***console*** in the PowerShell terminal.

**Managing the Cluster**

***crc start*** - Start the cluster after a machine reboots.

***crc stop*** - Stop the cluster before shutting down your machine.

***crc console*** - Open your browser and navigate to the OpenShift console.

***crc console --credentials*** - Display login credentials