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Install Nexus Repository Using Helm

Prerequisites:

* Ensure you have Kubernetes configured and running *

* Ensure you have Helm installed and configured *

Step 1: Add the Sonatype Helm repository

First, add the Nexus repository Helm chart repository.

```
helm repo add sonatype https://sonatype.github.io/helm3-charts/
```

```
helm repo update
```

Step 2: Install Nexus Repository

Now, install Nexus Repository using Helm. You can customize the installation by providing additional configurations if needed.

```
helm install nexus sonatype/nexus-repository-manager --namespace nexus --create-namespace
```

Step 3: Access Nexus Repository

After the installation, you can check the status of the release:

```
kubectl get pods --namespace nexus
```

If the installation is successful, you can access the Nexus Repository through a Service. By default, it is accessible via a ClusterIP service, which means you need to either use port forwarding or configure an external ingress. By default, Nexus will be running behind a ClusterIP service, which is accessible only within the Kubernetes cluster. To access it from your local machine, you need to set up port forwarding.

Run the following command to forward port 8081 (default Nexus port) to your local machine:

For port forwarding:

```
kubectrl port-forward svc/nexus-repository-manager 8081:8081 --namespace nexus
```

After running this, you can access Nexus by visiting <http://localhost:8081>.

Step 4: Change the default admin password (optional)

The default admin password is stored in a Kubernetes secret. To retrieve it:

```
kubectrl get secret --namespace nexus nexus-repository-manager-admin-password -o  
jsonpath="{.data.password}" | base64 --decode
```

Use this password to log in to the Nexus UI.