How to set up Argo CD

# Firstly install kubectl:

* Install kubectl binary with curl on Linux

curl -LO [https://dl.k8s.io/release/**$(**curl -L -s https://dl.k8s.io/release/stable.txt**)**/bin/linux/amd64/kubectl](https://dl.k8s.io/release/$(curl%20-L%20-s%20https://dl.k8s.io/release/stable.txt)/bin/linux/amd64/kubectl)

* Validate the binary (optional)

Download the kubectl checksum file:

curl -LO [https://dl.k8s.io/release/**$(**curl -L -s https://dl.k8s.io/release/stable.txt**)**/bin/linux/amd64/kubectl.sha256](https://dl.k8s.io/release/$(curl%20-L%20-s%20https://dl.k8s.io/release/stable.txt)/bin/linux/amd64/kubectl.sha256)

* Validate the kubectl binary against the checksum file:

echo "**$(**cat kubectl.sha256**)**kubectl" | sha256sum –check

* Install kubectl

sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl

* Test to ensure the version you installed is up-to-date:

kubectl version --client

* If kubectl version is not visible execute following commands (its optional)

chmod +x kubectl

mkdir -p ~/.local/bin

mv ./kubectl ~/.local/bin/kubectl

kubectl version --client

# Install Argo CD

* kubectl create namespace argocd
* kubectl apply -n argocd -f <https://raw.githubusercontent.com/argoproj/argo-cd/stable/manifests/install.yaml>

# Download Argo CD CLI

* curl -sSL -o argocd-linux-amd64 <https://github.com/argoproj/argo-cd/releases/latest/download/argocd-linux-amd64>
* sudo install -m 555 argocd-linux-amd64 /usr/local/bin/argocd
* rm argocd-linux-amd64

# Access The Argo CD API Server

* kubectl patch svc argocd-server -n argocd -p '{"spec": {"type": "LoadBalancer"}}'
* kubectl get svc argocd-server -n argocd -o=jsonpath='{.status.loadBalancer.ingress[0].ip}'

# Login Using The CLI

* argocd admin initial-password -n argocd

Using the username admin and the password by using above command, login to Argo CD's IP or hostname

* argocd login <ARGOCD\_SERVER>

Change the password using the command:

* argocd account update-password