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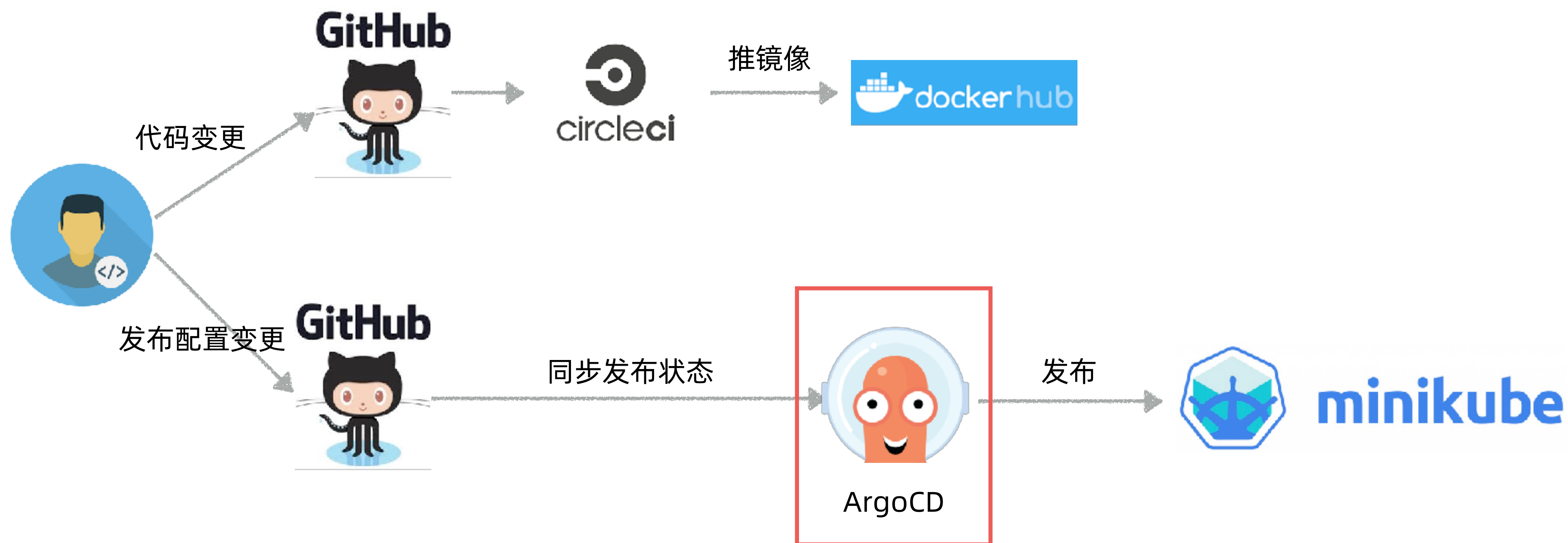
安装ArgoCD持续交付平台

本课内容

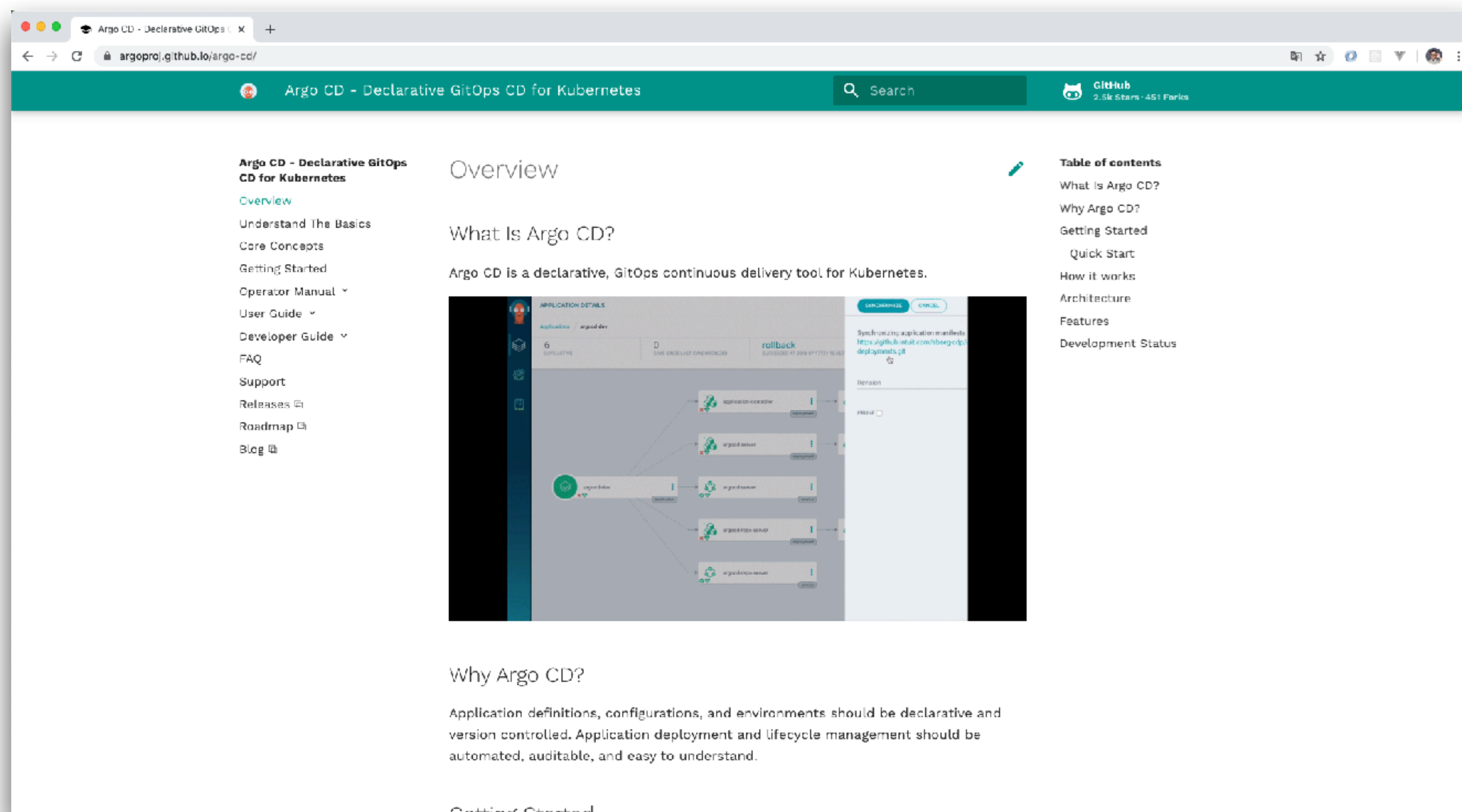
- 演示如何在本地Minikube中安装ArgoCD GitOps持续交付平台



Petclinic微服务GitOps流水线



ArgoCD文档



安装ArgoCD

```
1. william@jskill: ~/temp/argo-cd-master/manifests (zsh)
→ manifests pwd
/Users/william/temp/argo-cd-master/manifests
→ manifests ls
README.md          cluster-install    crds              install.yaml      na
base               cluster-rbac      ha               namespace-install
→ manifests kubectl create ns argocd
namespace/argocd created
→ manifests kubectl apply -n argocd -f install.yaml
customresourcedefinition.apiextensions.k8s.io/applications.argoproj.io created
customresourcedefinition.apiextensions.k8s.io/appprojects.argoproj.io created
serviceaccount/argocd-application-controller created
serviceaccount/argocd-dex-server created
serviceaccount/argocd-server created
role.rbac.authorization.k8s.io/argocd-application-controller created
role.rbac.authorization.k8s.io/argocd-dex-server created
role.rbac.authorization.k8s.io/argocd-server created
clusterrole.rbac.authorization.k8s.io/argocd-application-controller created
clusterrole.rbac.authorization.k8s.io/argocd-server created
rolebinding.rbac.authorization.k8s.io/argocd-application-controller created
rolebinding.rbac.authorization.k8s.io/argocd-dex-server created
rolebinding.rbac.authorization.k8s.io/argocd-server created
clusterrolebinding.rbac.authorization.k8s.io/argocd-application-controller created
clusterrolebinding.rbac.authorization.k8s.io/argocd-server created
configmap/argocd-cm created
configmap/argocd-rbac-cm created
configmap/argocd-ssh-known-hosts-cm created
configmap/argocd-tls-certs-cm created
secret/argocd-secret created
```

```

1. william@skilz: ~ (zsh)
➔ ~ kubectl get all -n argocd

NAME                                                    READY   STATUS    RESTARTS   AGE
pod/argocd-application-controller-5fc8bbf75c-lrgdp     1/1     Running   0           132m
pod/argocd-dex-server-784bcbd6d-tb6rd                 1/1     Running   0           132m
pod/argocd-redis-8c568b5db-rznmq                     1/1     Running   0           132m
pod/argocd-repo-server-5ff967cdcc-qk6rn               1/1     Running   0           132m
pod/argocd-server-64575dd7b9-znvw6                   1/1     Running   0           132m

NAME                                                    TYPE          CLUSTER-IP    EXTERNAL-IP   PORT(S)          AGE
service/argocd-dex-server                             ClusterIP      10.96.106.35  <none>        5556/TCP,5557/TCP 132m
service/argocd-metrics                                ClusterIP      10.96.227.211 <none>        8082/TCP          132m
service/argocd-redis                                  ClusterIP      10.96.209.54  <none>        6379/TCP          132m
service/argocd-repo-server                             ClusterIP      10.96.37.7    <none>        8081/TCP,8084/TCP 132m
service/argocd-server                                 ClusterIP      10.96.69.39   <none>        80/TCP,443/TCP    132m
service/argocd-server-metrics                         ClusterIP      10.96.14.4    <none>        8083/TCP          132m

NAME                                                    READY   UP-TO-DATE   AVAILABLE   AGE
deployment.apps/argocd-application-controller          1/1     1             1           132m
deployment.apps/argocd-dex-server                     1/1     1             1           132m
deployment.apps/argocd-redis                           1/1     1             1           132m
deployment.apps/argocd-repo-server                     1/1     1             1           132m
deployment.apps/argocd-server                         1/1     1             1           132m

NAME                                                    DESIRED   CURRENT   READY   AGE
replicaset.apps/argocd-application-controller-5fc8bbf75c 1           1         1       132m
replicaset.apps/argocd-dex-server-784bcbd6d              1           1         1       132m
replicaset.apps/argocd-redis-8c568b5db                  1           1         1       132m
replicaset.apps/argocd-repo-server-5ff967cdcc            1           1         1       132m
replicaset.apps/argocd-server-64575dd7b9                 1           1         1       132m
➔ ~

```

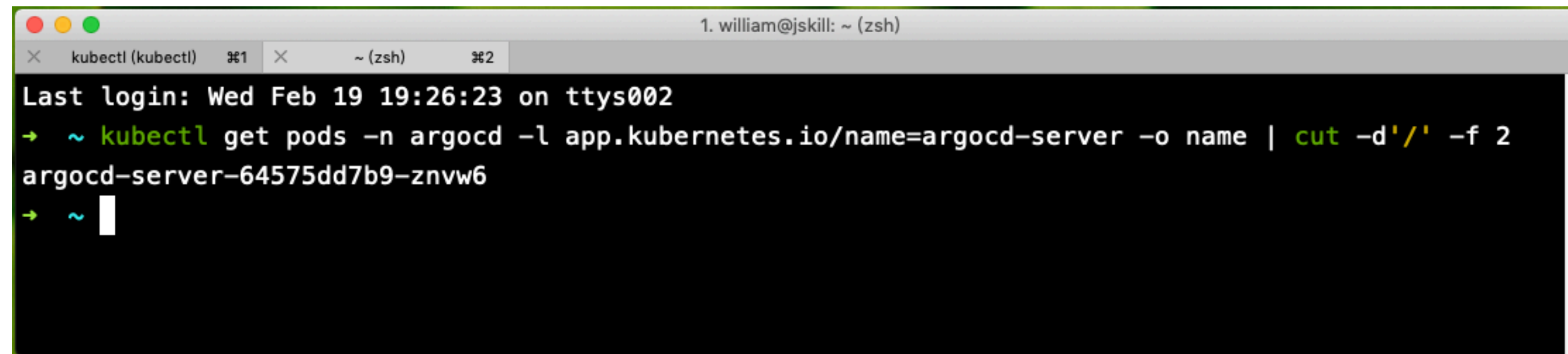
访问Argo CD Server

```
kubectl port-forward svc/argocd-server -n argocd 8080:443
```

```
1. kubectl port-forward svc/argocd-server -n argocd 8080:443 (kubectl)
Last login: Wed Feb 19 17:36:26 on ttys001
→ ~ kubectl get po -n argocd
NAME                                READY   STATUS    RESTARTS   AGE
argocd-application-controller-5fc8bbf75c-lrgdp   1/1     Running   0          142m
argocd-dex-server-784bcbd6d-tb6rd               1/1     Running   0          142m
argocd-redis-8c568b5db-rznmq                   1/1     Running   0          142m
argocd-repo-server-5ff967cdcc-qk6rn             1/1     Running   0          142m
argocd-server-64575dd7b9-znvw6                  1/1     Running   0          142m
→ ~ kubectl port-forward svc/argocd-server -n argocd 8080:443
Forwarding from 127.0.0.1:8080 -> 8080
Forwarding from [::1]:8080 -> 8080
█
```

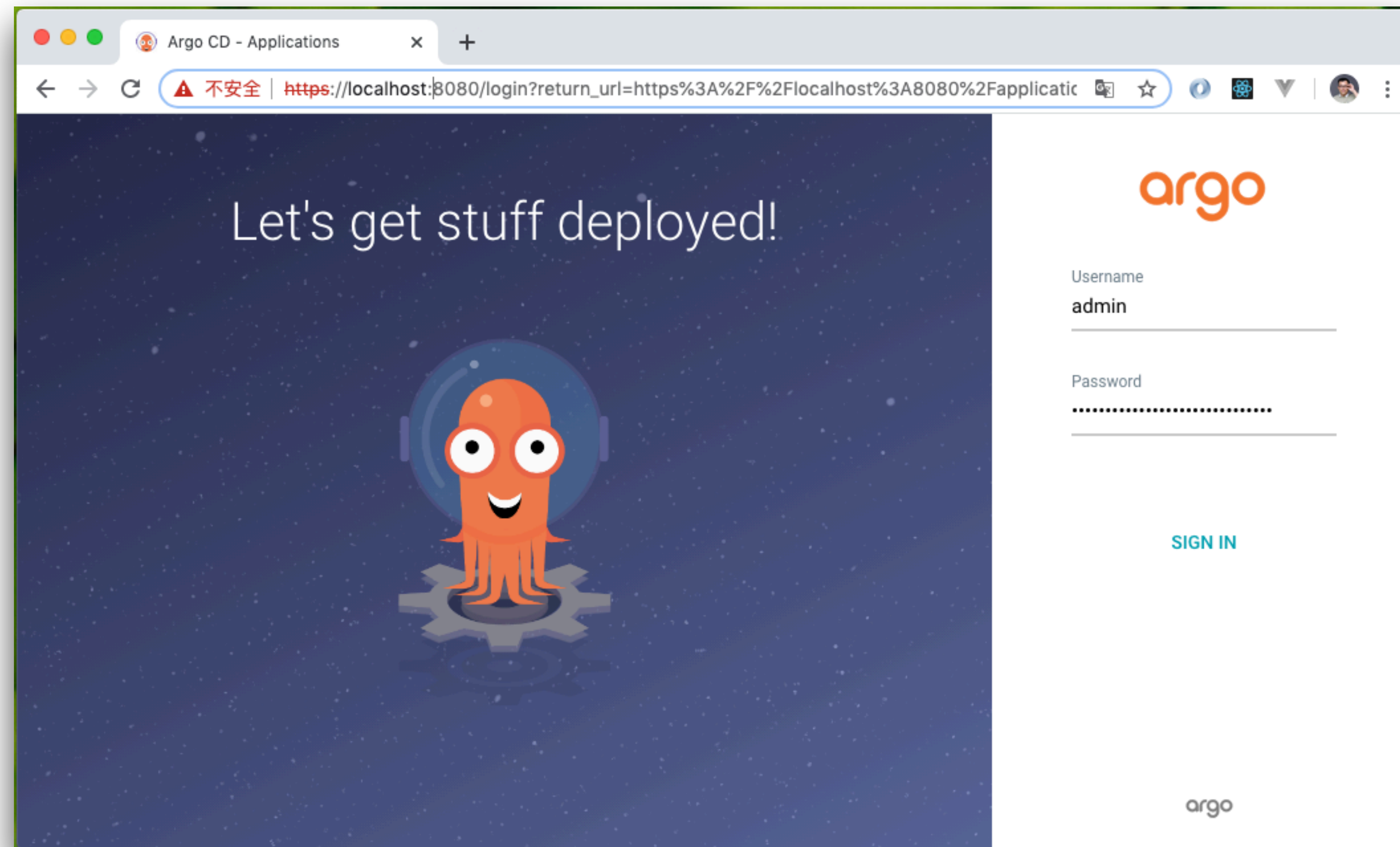
获取Argo CD Server初使密码

```
kubectl get pods -n argocd -l app.kubernetes.io/name=argocd-server -o name | cut -d'/' -f 2
```

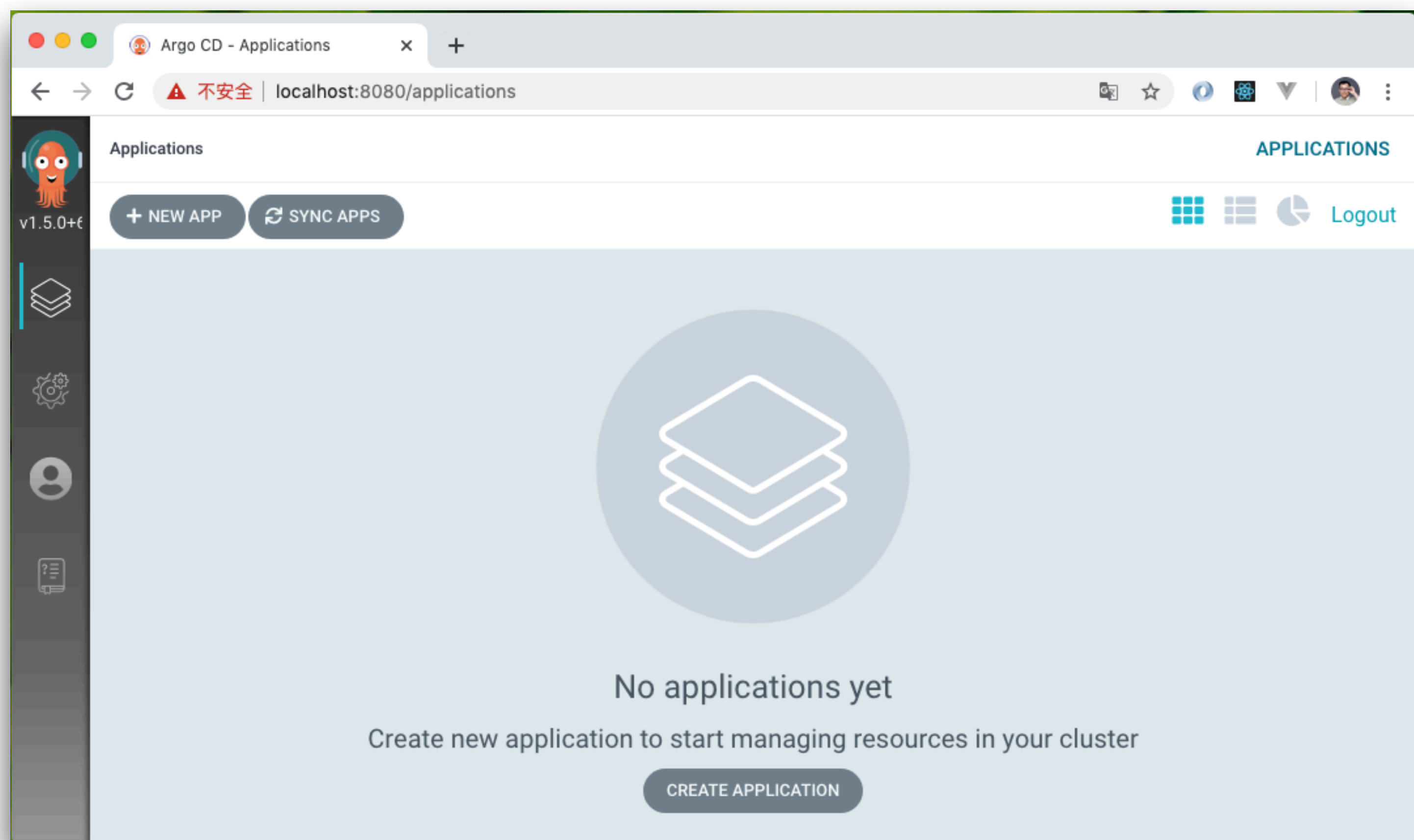


```
1. william@jskill: ~ (zsh)
kubect1 (kubect1) 1
~ (zsh) 2
Last login: Wed Feb 19 19:26:23 on ttys002
→ ~ kubect1 get pods -n argocd -l app.kubernetes.io/name=argocd-server -o name | cut -d'/' -f 2
argocd-server-64575dd7b9-znvw6
→ ~
```


登录ArgoCD Server



进入Argo CD主界面



本课小结



- 本地Minikube安装ArgoCD
 - 支持GitOps和K8s的持续交付平台
 - 安装时通过命令行方式获取初使密码