UNIVERSIDAD DE SAN CARLOS DE GUATEMALA FACULTAD DE INGENIERIA LABORATORIO DE SOFTWARE AVANZADO

PRACTICA 7



MANUAL DE USUARIO

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Obtener configuración del clúster desde s3:

```
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Windows\system32> $env:KOPS_STATE_STORE = "s3://sa-practica7-kops-state"
```

Verificación de existencia del clúster:

Verificación de disponibilidad del clúster:

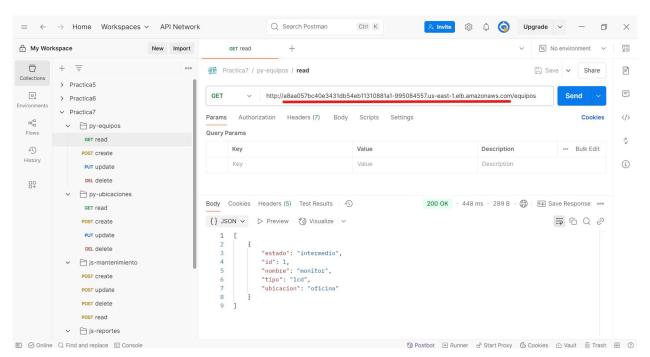
```
Administrator: Windows PowerShell
                                                                                            PS C:\Windows\system32> kops validate cluster
Using cluster from kubectl context: sa-practica7.k8s.local
Validating cluster sa-practica7.k8s.local
INSTANCE GROUPS
NAME
                                  ROLE
                                                                   MIN
                                                                            MAX
                                                   MACHINETYPE
                                                                                    SUBNETS
control-plane-us-east-1a
                                  ControlPlane
                                                   t3.small
                                                                    1
                                                                            1
                                                                                    us-east-1a
nodes-us-east-1a
                                  Node
                                                   t3.small
                                                                                    us-east-1a
NODE STATUS
NAME
                         ROLE
                                          READY
i-04281b104b1ead35d
                         node
                                          True
i-0d16e0f23ba184443
                         control-plane
                                          True
Your cluster sa-practica7.k8s.local is ready
'S C: \WITHOWS\SYSTEMBZ> _
```

Mostrar todos los despliegues del clúster actualmente:

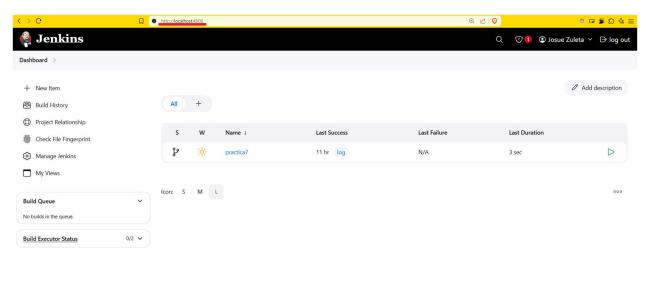
```
Administrator: Windows PowerShell
                                                                                            PS C:\Windows\system32>
PS C:\Windows\system32> kubectl get all -n sa-p7
                                      READY
                                              STATUS
                                                         RESTARTS
                                                                     AGE
pod/equipos-5dbd48cdd6-fzvs5
                                      1/1
                                              Running
                                                         0
                                                                     99m
pod/mantenimiento-7b77ff95b-nnftx
                                      1/1
                                              Running
                                                         0
                                                                     99m
pod/reportes-866b55d78f-j6nhz
                                      1/1
                                                         0
                                                                     99m
                                              Running
pod/ubicaciones-6dd55f44b5-6z9h8
                                      1/1
                                                                     99m
                                              Running
                                                         0
NAME
                         TYPE
                                      CLUSTER-IP
                                                       EXTERNAL-IP
                                                                      PORT(S)
                                                                                 AGE
                                                                                 99m
service/equipos
                         ClusterIP
                                      100.69.59.169
                                                                      8081/TCP
                                                       <none>
service/mantenimiento
                         ClusterIP
                                      100.64.64.112
                                                                                 99m
                                                       <none>
                                                                      8083/TCP
service/reportes
                         ClusterIP
                                      100.66.97.0
                                                       <none>
                                                                      8084/TCP
                                                                                 99m
service/ubicaciones
                         ClusterIP
                                      100.69.236.86
                                                       <none>
                                                                      8082/TCP
                                                                                 99m
NAME
                                  READY
                                          UP-TO-DATE
                                                        AVAILABLE
                                                                     AGE
deployment.apps/equipos
                                  1/1
                                          1
                                                        1
                                                                     99m
deployment.apps/mantenimiento
                                  1/1
                                          1
                                                        1
deployment.apps/reportes
                                  1/1
                                          1
                                                        1
                                                                     99m
deployment.apps/ubicaciones
                                  1/1
                                          1
                                                        1
                                                                     99m
```

Obtener el Ingress:

Realizar peticiones desde un cliente (postman):

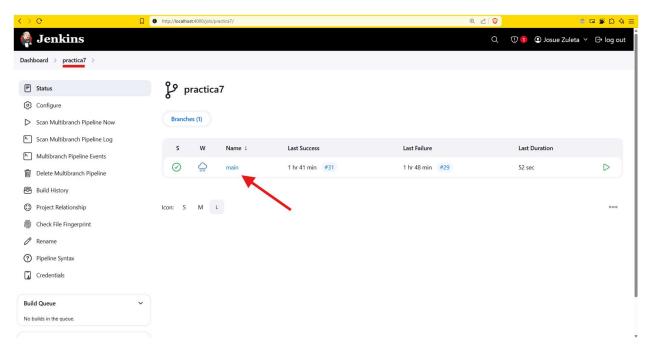


Interfaz gráfica de Jenkins:

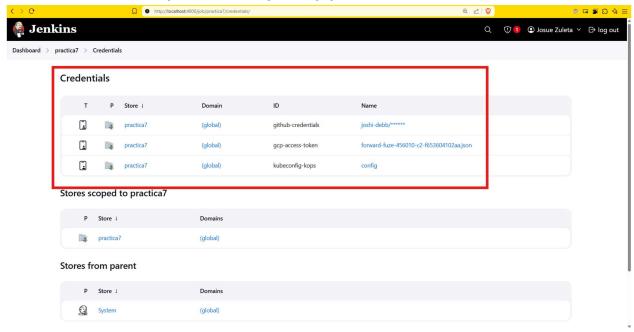


REST API Jenkins 2.492.3

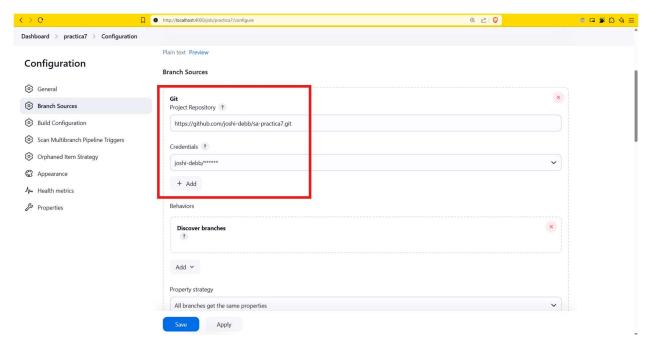
Proyecto automatizado por Jenkins:



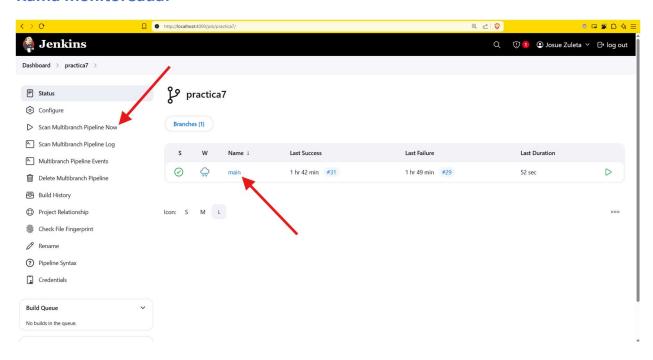
Credenciales activas para el manejo del pipeline:



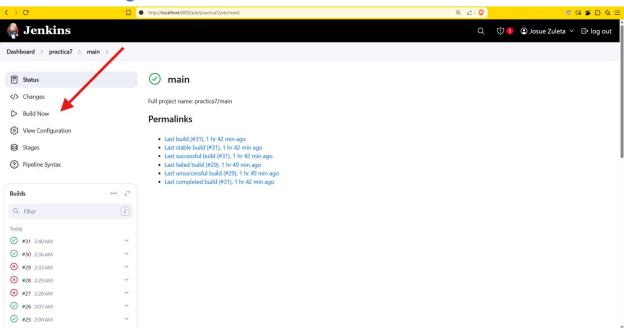
Configuración del origen código/ramas a monitorear:



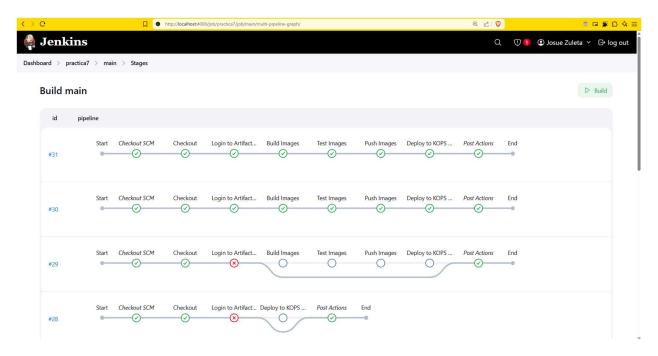
Rama monitoreada:



Construir el código actual:



Estado de la construcción:



Historial y logs:

