Workshop

TCPDUMP OUTPUT

CRC ON LOCAL

```
PS C:\Users USER crc start
INFO Using bundle path C:\Users USER \.crc\cache\crc_hyperv_4.16.4_amd64.crcbundle
INFO Checking minimum RAM requirements
INFO Check if Podman binary exists in: C:\Users\Pexabo\.crc\bin\oc
INFO Checking if running in a shell with administrator rights
INFO Checking Windows release
INFO Checking Windows edition
INFO Checking if Hyper-V is installed and operational
INFO Checking if Hyper-V service is enabled
INFO Checking if crc-users group exists
INFO Checking if current user is in crc-users and Hyper-V admins group
INFO Checking if twock is correctly configured
INFO Checking if the win32 background launcher is installed
INFO Checking if the daemon task is installed
```

LOGIN TO LOCAL CLUSTER

```
INFO Starting openshift instance... [waiting for the cluster to stabilize]
INFO Operator network is progressing
INFO 3 operators are progressing: console, image-registry, ingress
INFO 2 operators are progressing: console, ingress
INFO Operator ingress is progressing
INFO All operators are available. Ensuring stability...
INFO Operators are stable (2/3)...
INFO Operators are stable (3/3)...
INFO Adding crc-admin and crc-developer contexts to kubeconfig...
Started the OpenShift cluster.

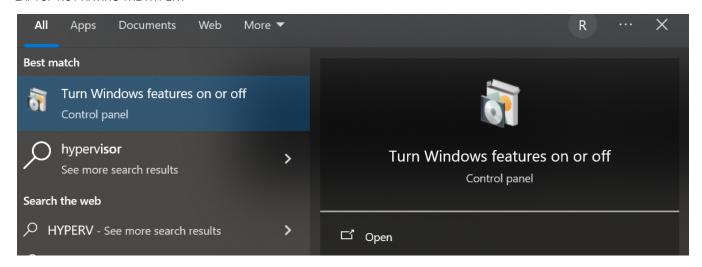
The server is accessible via web console at:
    https://console-openshift-console.apps-crc.testing

Log in as administrator:
    Username: kubeadmin
    Password: moDub-en68I-oAUYp-epWne

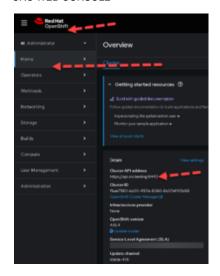
Log in as user:
    Username: developer
    Password: developer

Vise the 'oc' command line interface:
    PS> & crc oc-env | Invoke-Expression
    PS> oc login -u developer https://api.crc.testing:6443
```

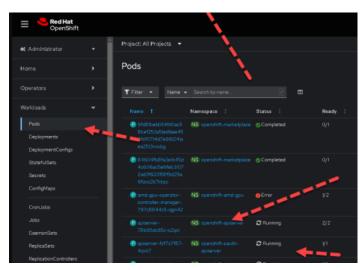
LAPTOP NOT HAVING THE HYPERV



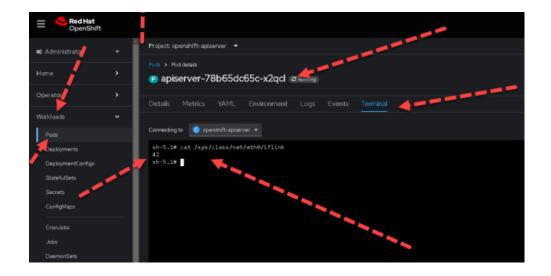
CRC WEB CONSOLE



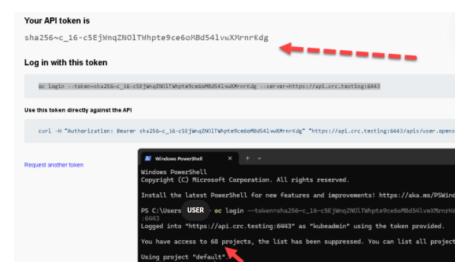
NODES SELECTION



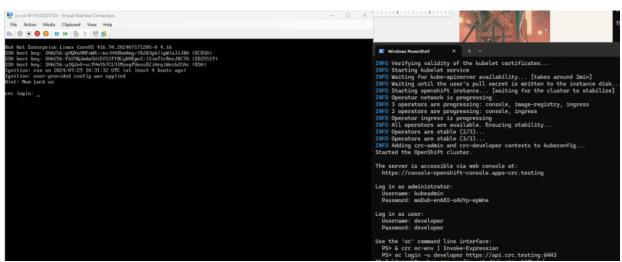
TERMINAL FOR THE POD



LOGIN TO THE CONSOLE



VIRTUAL MACHINE FOR CRC



```
PS C:\Users\ USER oc get nodes

NAME STATUS ROLES AGE VERSION

crc Ready control-plane,master,worker 28d v1.29.6+abale8d

PS C:\Users\ USER oc debug node/crc

Starting pod/crc-debug-d2889 ...

To use host binaries, run 'chroot /host'
```

GET PRIVILEGED ACCESS

```
Starting pod/crc-debug-d2889 ...
To use host binaries, run 'chroot /host'
Pod IP: 192.168.126.11
If you don't see a command prompt, try pressing enter.
sh-5.1# ping 1.1.1.1
PING 1.1.1.1 (1.1.1.1) 56(84) bytes of data.
64 bytes from 1.1.1.1: icmp_seq=1 ttl=64 time=0.895 ms
64 bytes from 1.1.1.1: icmp_seq=2 ttl=64 time=0.503 ms
^C
--- 1.1.1.1 ping statistics ---
2 packets transmitted, 2 received, 0% packet loss, time 1001ms
rtt min/avg/max/mdev = 0.503/0.699/0.895/0.196 ms
sh-5.1# chroot /host
sh-5.1#
```

REPO ON THE VM

```
vi /etc/yum.repos.d/rhel-base.repo
```

```
[rhel-base]
name=Red Hat Enterprise Linux $releasever - Base05
baseurl=https://cdn.redhat.com/content/dist/$releasever/$basearch/os
enabled=1
gpgcheck=1
gpgcheck=1
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-redhat-release
```

DNF UPDATE CA CERTIFICATES



DNF TCPDUMP INSTALL



LOCATE TCPDUMP

```
Complete!
sh-5.1# which tcpdump
/usr/sbin/tcpdump
sh-5.1#
```

BASE64 DEBUG POD MOVE THE DATA

```
PS C:\Users\. User oc debug node/crc — chroot /host bash —c "base64 /var/
tmp/mydebug2.pcap" > /tmp/mydebug2.b64
Starting pod/crc-debug-2pbc9 ...
To use host binaries, run 'chroot /host'
Removing debug pod ...
```

DECODE THE BASE64

```
Removing debug pod ...

PS C:\Users\ USER oc debug node/crc — chroic /host bash —c "base64 /var/

tmp/mydebug2.pcap" > /tmp/mydebug2.b64

Starting pod/crc-debug-2pbc9 ...

To use host binaries, run 'chroot /host'

Removing debug pod ...

PS C:\Users\ USER cd c:/tmp

PS C:\tmp> [IO.File]::WriteAllBytes("C:\tmp\mydebug2.pcap", [Convert]::From Base64String((Get-Content "C:\tmp\mydebug2.b64" —Raw)))

PS C:\tmp>
```

WIRESHARK

