

Retrieve a OpenShift-POD logs to local

Install OCP-CLI(Command Line interface) into a local machine

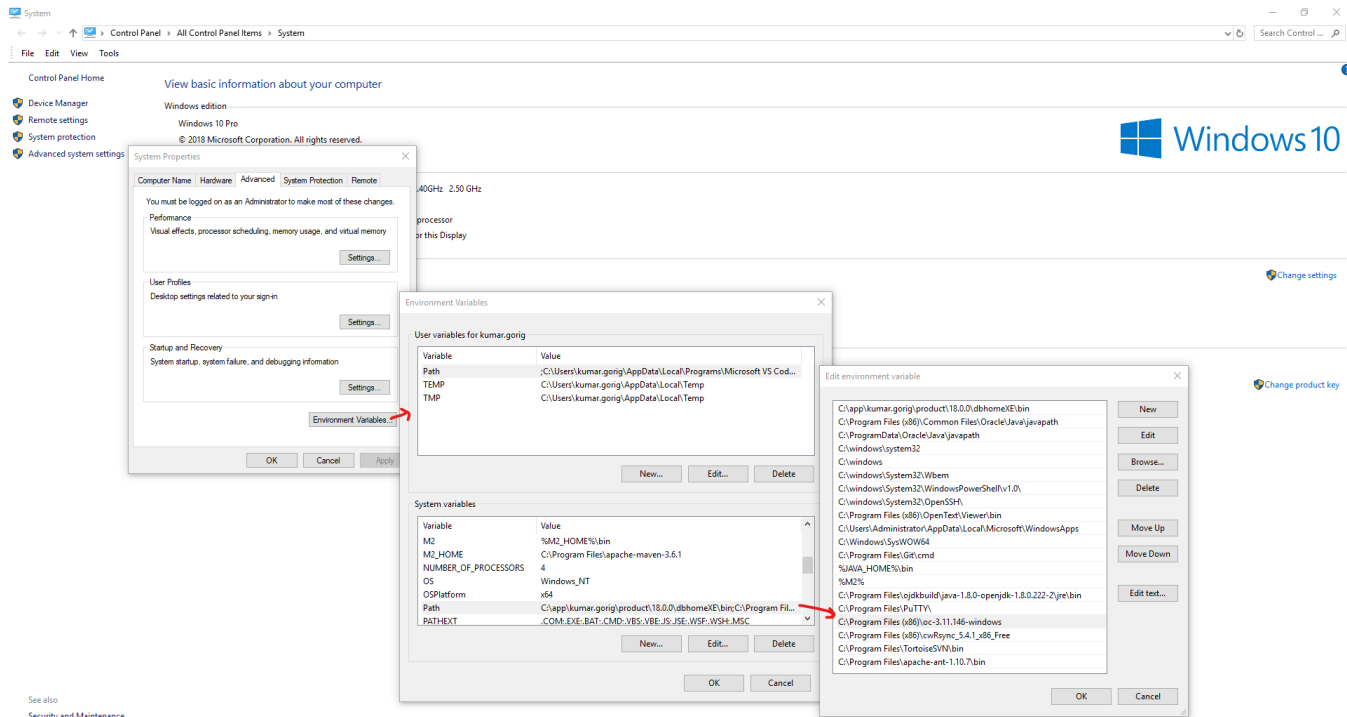
Download the OCP-CLI file from below link

<https://openshift-portal.ocpwynapps.bell.corp.bce.ca/downloads.php>

If link above doesn't work: [oc-3.11.146-windows.zip](#)

Extract this file and copy and paste it to "*ProgramFiles*" directory(ex: C:\Program Files (x86))

Set a class path for this directory in system environment variables as shown below



To check whether class path setting done correctly or not by running the below command in windows cmd

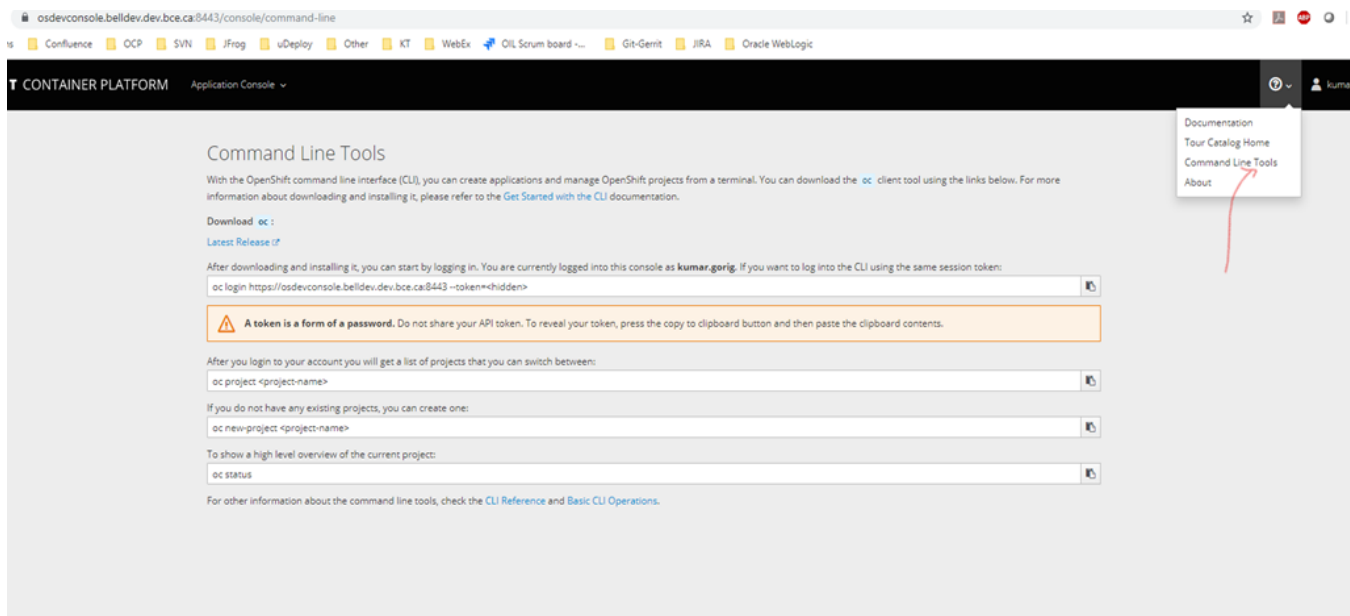
```
oc version
```

```
PS C:\Users\kumar.gorig> oc version
oc v3.11.146
kubernetes v1.11.0+d4cacc0
features: Basic-Auth SSPI Kerberos SPNEGO
PS C:\Users\kumar.gorig>
```

After successful verification of the OCP-CLI version, we need to login to the Bell OCP portal based on the environment. We can find the login command with token in the OCP portal

Reference for OpenShift cli logs:

https://docs.openshift.com/container-platform/3.11/cli_reference/basic_cli_operations.html#logs



Copy the login command from the OCP UI, then go to the command line past it and enter like below, here token value we get when we copied.

```
oc login https://osdevconsole.belldev.dev.bce.ca:8443 --token=<hidden>
```

```
PS C:\Users\kumar.gorig> oc login https://osdevconsole.belldev.dev.bce.ca:8443 --token=ME9ceAmSlz_CBfyZrCs-nIojbexc0U-fqB11V5581Zg
Logged into "https://osdevconsole.belldev.dev.bce.ca:8443" as "kumar.gorig" using the token provided.

You have access to the following projects and can switch between them with 'oc project <projectname>':

  oil-jsonserviceordercreation
* oil-milestonetranslation
  oil-nsoevent
  oil-queuerouter
  oil-reconciliation

Using project "oil-milestonetranslation".
PS C:\Users\kumar.gorig>
```

After successful login to the OCP we can see list of projects that we can access. In the list "*" defines that in which project we are using. So currently we are using "**oil-milestonetranslation**" project

To switch the projects use the following command

```
oc project <project name>
```

```
PS C:\Users\kumar.gorig> oc project oil-nsoevent
Now using project "oil-nsoevent" on server "https://osdevconsole.belldev.dev.bce.ca:8443".
PS C:\Users\kumar.gorig>
```

After that we need to know from which pod retrieve the logs, To see the list of pods in project use the following command

```
oc get pods
```

```
PS C:\Users\kumar.gorig> oc get pods
NAME                                READY    STATUS    RESTARTS   AGE
oil-nsoevent-dev02-4-z9xwx        1/1      Running   336         70d
oil-nsoevent-dev05-2-7bq2g        1/1      Running   155         25d
PS C:\Users\kumar.gorig>
```

Here we have two pods successfully running, we are going to retrieve logs from pod "**oil-nsoevent-dev02-4-z9xwx**".

To retrieve the logs we need to open a remote shell session(**rsh**) to a pod then **cd** to logs directory

```
oc rsh <pod-name>
```

Here we can see that rsh to a **oil-nsoevent-dev02-4-z9xwx** pod, **cd** to **/logs** directory and we can see list available logs

```
PS C:\Users\kumar.gorig> oc rsh oil-nsoevent-dev02-4-z9xwx
sh-4.2$ cd logs/
sh-4.2$ ls
logFile.2019-10-05.0.log  logFile.2019-10-13.0.log  logFile.2019-10-21.0.log  logFile.2019-10-29.0.log  logFile.2019-11-06.0.log  logFile.2019-11-14.0.log
logFile.2019-10-06.0.log  logFile.2019-10-14.0.log  logFile.2019-10-22.0.log  logFile.2019-10-30.0.log  logFile.2019-11-07.0.log  logFile.2019-11-15.0.log
logFile.2019-10-07.0.log  logFile.2019-10-15.0.log  logFile.2019-10-23.0.log  logFile.2019-10-31.0.log  logFile.2019-11-08.0.log  logFile.2019-11-16.0.log
logFile.2019-10-08.0.log  logFile.2019-10-16.0.log  logFile.2019-10-24.0.log  logFile.2019-11-01.0.log  logFile.2019-11-09.0.log  logFile.2019-11-17.0.log
logFile.2019-10-09.0.log  logFile.2019-10-17.0.log  logFile.2019-10-25.0.log  logFile.2019-11-02.0.log  logFile.2019-11-10.0.log  logFile.2019-11-18.0.log
logFile.2019-10-10.0.log  logFile.2019-10-18.0.log  logFile.2019-10-26.0.log  logFile.2019-11-03.0.log  logFile.2019-11-11.0.log  logFile.2019-11-19.0.log
logFile.2019-10-11.0.log  logFile.2019-10-19.0.log  logFile.2019-10-27.0.log  logFile.2019-11-04.0.log  logFile.2019-11-12.0.log  logFile.2019-11-20.0.log
logFile.2019-10-12.0.log  logFile.2019-10-20.0.log  logFile.2019-10-28.0.log  logFile.2019-11-05.0.log  logFile.2019-11-13.0.log
sh-4.2$ pwd
/logs
sh-4.2$
```

After that **tar** the logs directory

```
tar -cvf logs.tar /logs
```

```

sh-4.2$ tar -xvf logs.tar /logs
tar: Removing leading '/' from member names
/logs/
/logs/logfile.2019-10-05.0.log
tar: /logs/logfile.2019-10-05.0.log: file changed as we read it
/logs/logfile.2019-10-06.0.log
/logs/logfile.2019-10-07.0.log
tar: /logs/logfile.2019-10-07.0.log: file changed as we read it
/logs/logfile.2019-10-08.0.log
tar: /logs/logfile.2019-10-08.0.log: file changed as we read it
/logs/logfile.2019-10-09.0.log
tar: /logs/logfile.2019-10-09.0.log: file changed as we read it
/logs/logfile.2019-10-10.0.log
/logs/logfile.2019-10-11.0.log
/logs/logfile.2019-10-12.0.log
/logs/logfile.2019-10-13.0.log
tar: /logs/logfile.2019-10-13.0.log: file changed as we read it
/logs/logfile.2019-10-14.0.log
/logs/logfile.2019-10-15.0.log
tar: /logs/logfile.2019-10-15.0.log: file changed as we read it
/logs/logfile.2019-10-16.0.log
tar: /logs/logfile.2019-10-16.0.log: file changed as we read it
/logs/logfile.2019-10-17.0.log
tar: /logs/logfile.2019-10-17.0.log: file changed as we read it
/logs/logfile.2019-10-18.0.log
tar: /logs/logfile.2019-10-18.0.log: file changed as we read it
/logs/logfile.2019-10-19.0.log
tar: /logs/logfile.2019-10-19.0.log: file changed as we read it
/logs/logfile.2019-10-20.0.log
tar: /logs/logfile.2019-10-20.0.log: file changed as we read it
/logs/logfile.2019-10-21.0.log
/logs/logfile.2019-10-22.0.log
/logs/logfile.2019-10-23.0.log
tar: /logs/logfile.2019-10-23.0.log: file changed as we read it
/logs/logfile.2019-10-24.0.log
tar: /logs/logfile.2019-10-24.0.log: file changed as we read it
/logs/logfile.2019-10-25.0.log
tar: /logs/logfile.2019-10-25.0.log: file changed as we read it
/logs/logfile.2019-10-26.0.log
tar: /logs/logfile.2019-10-26.0.log: file changed as we read it
/logs/logfile.2019-10-27.0.log
tar: /logs/logfile.2019-10-27.0.log: file changed as we read it
/logs/logfile.2019-10-28.0.log
tar: /logs/logfile.2019-10-28.0.log: file changed as we read it
/logs/logfile.2019-10-29.0.log
/logs/logfile.2019-10-30.0.log
tar: /logs/logfile.2019-10-30.0.log: file changed as we read it
/logs/logfile.2019-10-31.0.log
tar: /logs/logfile.2019-10-31.0.log: file changed as we read it
/logs/logfile.2019-11-01.0.log
tar: /logs/logfile.2019-11-01.0.log: file changed as we read it
/logs/logfile.2019-11-02.0.log
tar: /logs/logfile.2019-11-02.0.log: file changed as we read it
/logs/logfile.2019-11-03.0.log
tar: /logs/logfile.2019-11-03.0.log: file changed as we read it
/logs/logfile.2019-11-04.0.log
tar: /logs/logfile.2019-11-04.0.log: file changed as we read it
/logs/logfile.2019-11-05.0.log
/logs/logfile.2019-11-06.0.log
/logs/logfile.2019-11-07.0.log
tar: /logs/logfile.2019-11-07.0.log: file changed as we read it
/logs/logfile.2019-11-08.0.log
tar: /logs/logfile.2019-11-08.0.log: file changed as we read it
/logs/logfile.2019-11-09.0.log
tar: /logs/logfile.2019-11-09.0.log: file changed as we read it
/logs/logfile.2019-11-10.0.log
tar: /logs/logfile.2019-11-10.0.log: file changed as we read it
/logs/logfile.2019-11-11.0.log
tar: /logs/logfile.2019-11-11.0.log: file changed as we read it
/logs/logfile.2019-11-12.0.log
tar: /logs/logfile.2019-11-12.0.log: file changed as we read it
/logs/logfile.2019-11-13.0.log
tar: /logs/logfile.2019-11-13.0.log: file changed as we read it
/logs/logfile.2019-11-14.0.log
tar: /logs/logfile.2019-11-14.0.log: file changed as we read it
/logs/logfile.2019-11-15.0.log
tar: /logs/logfile.2019-11-15.0.log: file changed as we read it
/logs/logfile.2019-11-16.0.log
tar: /logs/logfile.2019-11-16.0.log: file changed as we read it
/logs/logfile.2019-11-17.0.log
logs/logfile.2019-11-18.0.log
tar: /logs/logfile.2019-11-18.0.log: file changed as we read it
logs/logfile.2019-11-19.0.log
tar: /logs/logfile.2019-11-19.0.log: file changed as we read it
logs/logfile.2019-11-20.0.log
tar: /logs/logs.tar: file is the archive; not dumped
sh-4.2$ ls -la
total 3553
-rwxr-xr-x. 3 root    2070      4096 Nov 20  2019 .
-rwxr-xr-x. 1 root    root      43 Nov 20 16:44 --
-rw-r--r--. 1 1000940000 2070    2640 Oct 5 20:19 logfile.2019-10-05.0.log
-rw-r--r--. 1 1000940000 2070    2644 Oct 6 19:37 logfile.2019-10-06.0.log
-rw-r--r--. 1 1000940000 2070    3503 Oct 7 22:40 logfile.2019-10-07.0.log
-rw-r--r--. 1 1000940000 2070   149053 Oct 8  8:20 logfile.2019-10-08.0.log
-rw-r--r--. 1 1000940000 2070    2644 Oct 9 19:05 logfile.2019-10-09.0.log
-rw-r--r--. 1 1000940000 2070    2706 Oct 10 18:17 logfile.2019-10-10.0.log
-rw-r--r--. 1 1000940000 2070    2642 Oct 11 22:50 logfile.2019-10-11.0.log
-rw-r--r--. 1 1000940000 2070    2643 Oct 12 21:56 logfile.2019-10-12.0.log
-rw-r--r--. 1 1000940000 2070    2644 Oct 13 19:37 logfile.2019-10-13.0.log
-rw-r--r--. 1 1000940000 2070    3305 Oct 14 23:52 logfile.2019-10-14.0.log
-rw-r--r--. 1 1000940000 2070    2643 Oct 15 21:50 logfile.2019-10-15.0.log
-rw-r--r--. 1 1000940000 2070    2644 Oct 16 20:51 logfile.2019-10-16.0.log
-rw-r--r--. 1 1000940000 2070    2640 Oct 17 20:02 logfile.2019-10-17.0.log
-rw-r--r--. 1 1000940000 2070    3300 Oct 18 22:16 logfile.2019-10-18.0.log
-rw-r--r--. 1 1000940000 2070    2644 Oct 19 20:55 logfile.2019-10-19.0.log
-rw-r--r--. 1 1000940000 2070    2642 Oct 20 20:27 logfile.2019-10-20.0.log
-rw-r--r--. 1 1000940000 2070    2644 Oct 21 19:22 logfile.2019-10-21.0.log
-rw-r--r--. 1 1000940000 2070    2642 Oct 22 18:41 logfile.2019-10-22.0.log
-rw-r--r--. 1 1000940000 2070   330451 Oct 23 19:45 logfile.2019-10-23.0.log
-rw-r--r--. 1 1000940000 2070    2641 Oct 24 19:12 logfile.2019-10-24.0.log
-rw-r--r--. 1 1000940000 2070    3301 Oct 25 23:22 logfile.2019-10-25.0.log
-rw-r--r--. 1 1000940000 2070    2644 Oct 26 22:38 logfile.2019-10-26.0.log
-rw-r--r--. 1 1000940000 2070    2644 Oct 27 21:36 logfile.2019-10-27.0.log
-rw-r--r--. 1 1000940000 2070   1311950 Oct 28 23:56 logfile.2019-10-28.0.log
-rw-r--r--. 1 1000940000 2070    604008 Oct 29 23:12 logfile.2019-10-29.0.log
-rw-r--r--. 1 1000940000 2070    2644 Oct 30 22:26 logfile.2019-10-30.0.log
-rw-r--r--. 1 1000940000 2070    2644 Oct 31 22:06 logfile.2019-10-31.0.log
-rw-r--r--. 1 1000940000 2070    87850 Nov  1 23:57 logfile.2019-11-01.0.log
-rw-r--r--. 1 1000940000 2070   414395 Nov  2 23:58 logfile.2019-11-02.0.log
-rw-r--r--. 1 1000940000 2070    403237 Nov  3 23:55 logfile.2019-11-03.0.log
-rw-r--r--. 1 1000940000 2070   274069 Nov  4 23:12 logfile.2019-11-04.0.log
-rw-r--r--. 1 1000940000 2070    8247 Nov  5 21:43 logfile.2019-11-05.0.log
-rw-r--r--. 1 1000940000 2070    2642 Nov  6 20:10 logfile.2019-11-06.0.log
-rw-r--r--. 1 1000940000 2070   3300 Nov  7 23:41 logfile.2019-11-07.0.log
-rw-r--r--. 1 1000940000 2070    2642 Nov  8 21:27 logfile.2019-11-08.0.log
-rw-r--r--. 1 1000940000 2070    2642 Nov  9 18:52 logfile.2019-11-09.0.log
-rw-r--r--. 1 1000940000 2070   3302 Nov 10 21:46 logfile.2019-11-10.0.log
-rw-r--r--. 1 1000940000 2070    2644 Nov 11 20:06 logfile.2019-11-11.0.log
-rw-r--r--. 1 1000940000 2070   3301 Nov 12 23:02 logfile.2019-11-12.0.log
-rw-r--r--. 1 1000940000 2070    2644 Nov 12 20:06 logfile.2019-11-13.0.log
-rw-r--r--. 1 1000940000 2070   3303 Nov 14 23:12 logfile.2019-11-14.0.log
-rw-r--r--. 1 1000940000 2070    2644 Nov 15 20:30 logfile.2019-11-15.0.log
-rw-r--r--. 1 1000940000 2070   3300 Nov 16 22:47 logfile.2019-11-16.0.log
-rw-r--r--. 1 1000940000 2070    2644 Nov 17 19:54 logfile.2019-11-17.0.log
-rw-r--r--. 1 1000940000 2070   3303 Nov 18 22:44 logfile.2019-11-18.0.log
-rw-r--r--. 1 1000940000 2070    2642 Nov 19 19:29 logfile.2019-11-19.0.log
-rw-r--r--. 1 1000940000 2070    2642 Nov 20 16:46 logfile.2019-11-20.0.log
-rw-r--r--. 1 1000940000 2070 18206720 Nov 20  2019 logs.tar
sh-4.2$ ls
logfile.2019-10-05.0.log  logfile.2019-10-10.0.log  logfile.2019-10-15.0.log  logfile.2019-10-20.0.log  logfile.2019-10-25.0.log  logfile.2019-10-30.0.log  logfile.2019-11-04.0.log  logfile.2019-11-09.0.log  logfile.2019-11-14.0.log  logfile.2019-11-19.0.log
logfile.2019-10-06.0.log  logfile.2019-10-11.0.log  logfile.2019-10-16.0.log  logfile.2019-10-21.0.log  logfile.2019-10-26.0.log  logfile.2019-10-31.0.log  logfile.2019-11-05.0.log  logfile.2019-11-10.0.log  logfile.2019-11-15.0.log  logfile.2019-11-20.0.log
logfile.2019-10-07.0.log  logfile.2019-10-12.0.log  logfile.2019-10-17.0.log  logfile.2019-10-22.0.log  logfile.2019-10-27.0.log  logfile.2019-11-01.0.log  logfile.2019-11-06.0.log  logfile.2019-11-11.0.log  logfile.2019-11-16.0.log  logs.tar
logfile.2019-10-08.0.log  logfile.2019-10-13.0.log  logfile.2019-10-18.0.log  logfile.2019-10-23.0.log  logfile.2019-10-28.0.log  logfile.2019-11-02.0.log  logfile.2019-11-07.0.log  logfile.2019-11-12.0.log  logfile.2019-11-17.0.log
logfile.2019-10-09.0.log  logfile.2019-10-14.0.log  logfile.2019-10-19.0.log  logfile.2019-10-24.0.log  logfile.2019-10-29.0.log  logfile.2019-11-03.0.log  logfile.2019-11-08.0.log  logfile.2019-11-13.0.log  logfile.2019-11-18.0.log
sh-4.2$

```

Above screenshot we can see all .log files added to the logs.jar

Then exit from pod using **exit** command run the **rsync** command on windows cmd to copy logs.tar file from OCP pod to local machine directory

```
oc rsync <podname>:/logs/logs.tar C:\Users\kumar.gorig\Desktop\oil-nsoevent-dev02-4-z9xwx-logs
```

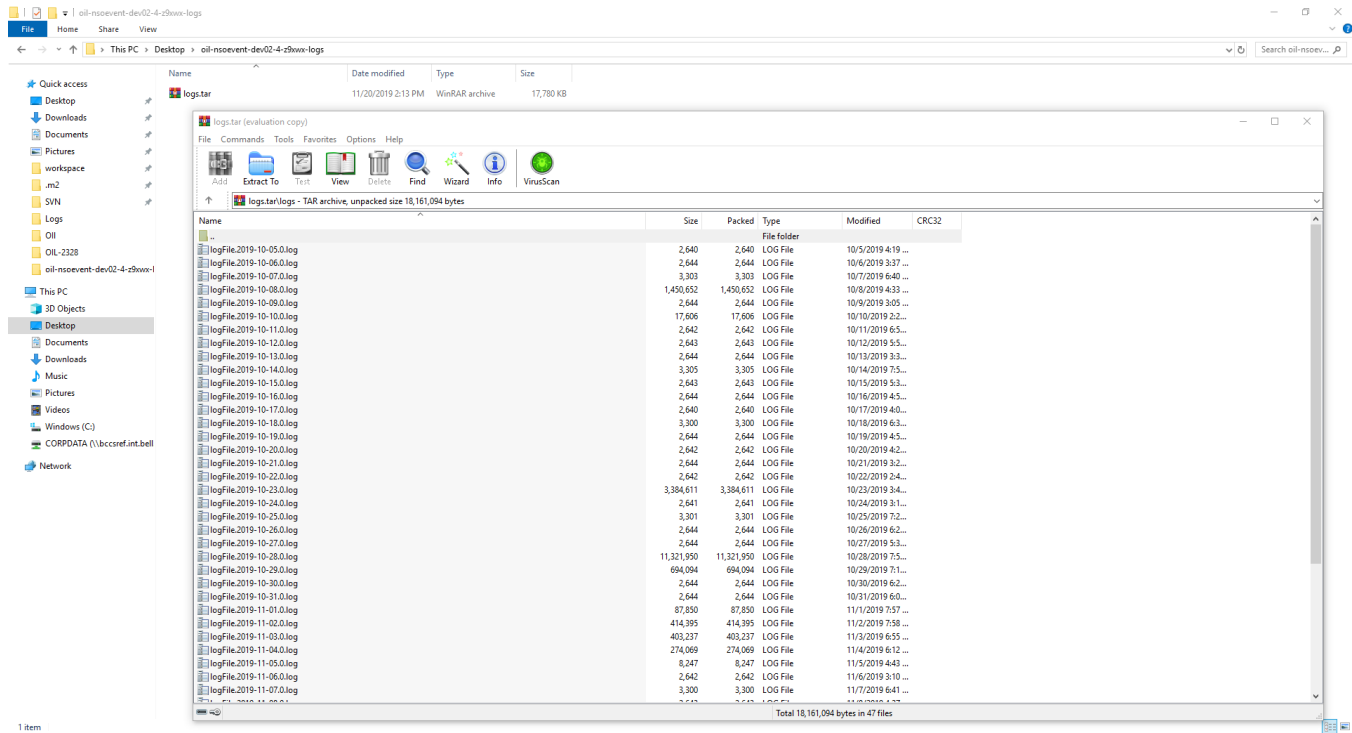
#Example:

```
oc rsync oil-nsoevent-dev02-4-z9xwx:/logs/logs.tar C:\Users\kumar.gorig\Desktop\oil-nsoevent-dev02-4-z9xwx-logs
```

Ex: Here we can see logs are sync to the local directory

```
PS C:\Users\kumar.gorig> oc rsync oil-nsoevent-dev02-4-z9wx::logs/logs.tar C:\Users\kumar.gorig\Desktop\oil-nsoevent-dev02-4-z9wx-logs
Forwarding from 127.0.0.1:51747 -> 40721
Forwarding from [::1]:51747 -> 40721
Handling connection for 51747
E1120 14:14:58.640300 4516 portForward.go:331] an error occurred Forwarding 51747 -> 40721: error forwarding port 40721 to pod ca1afa1163ec8e5cded6e58e5afffa247485579a7a88f24eb6a60f8227c2532c, uid : exit status 1: 2019/11/20 14:14:58
socat[51335] E connect(6, AF=2 127.0.0.1:40721, 16): Connection refused
WARNING: cannot use rsync-daemon: rsync not available in container
logs.tar
PS C:\Users\kumar.gorig>
```

Below we can see logs.tar file and log files in it.



Run below command on pod to delete the logs.tar after transferring logs from pod.

```
rm logs.tar
```