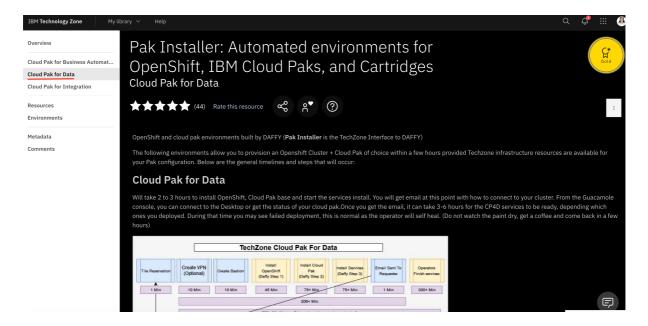
Environment Creation for Workshop

We will be using Techzone to reserve Cloud Pak for Data environment. Follow the steps below to reserve and environment.

1. Open link below and login with your IBM Id.

https://techzone.ibm.com/collection/PakInstaller

2. Switch to Cloud Pak for Data vertical tab

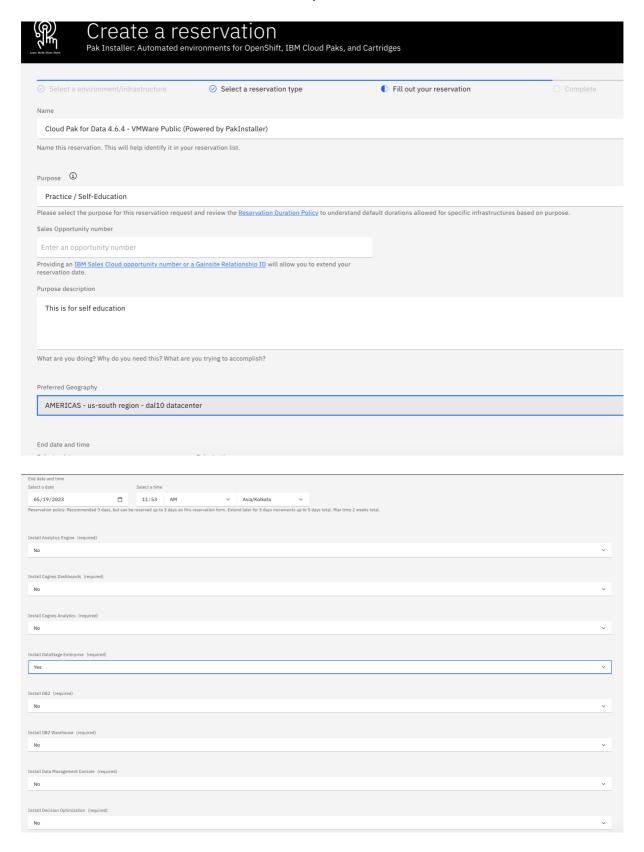


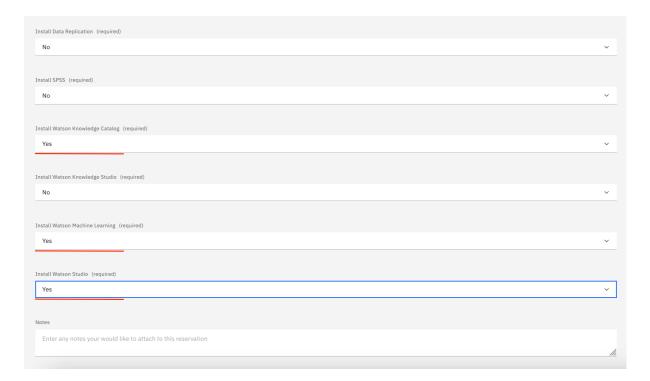
3. Click on Reserve for the second tile "Cloud Pak for Data 4.6.6 – Vmware Public (Powered by PakInstaller)"

Jun 25, 2023 Ibmcloud 2: us-east, jp-tok, eu-de, eu-gb Cloud Pak for Data 4.6.6 - VMWare Public (Powered by PakInstaller) If you want to have TechZone install OpenShift and CP4D for you, use this tile. Public Cluster - Internet facing(VPN not required) OpenShift 4.12 CP4D 4.6.6 Trusted Public SSL Certs New connection portal for connection and status info(Single Pane for all things Cluster) Includes the following services you can choose: (please size your cluster accordingly before selecting services) Watson Knowledge Studio Watson Knowledge Catalog Data Virtualization Watson Studio **SPSS** Watson Machine Learning DataStage Enterprise **Decision Optimization** Cognos Dashboards

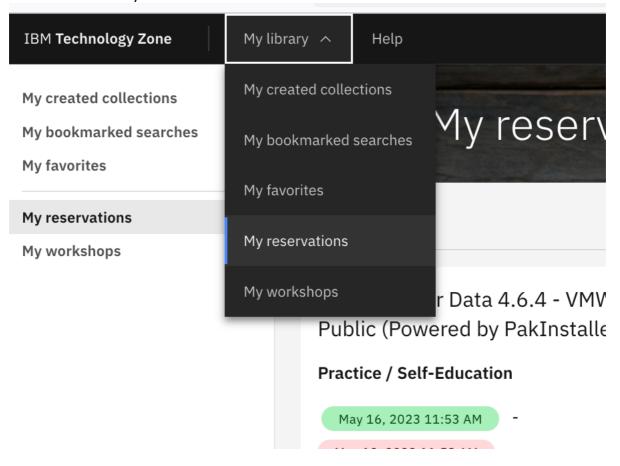
Data Management Console

4. Click on "Reserve Now" and choose options as can be seen in the below screenshot

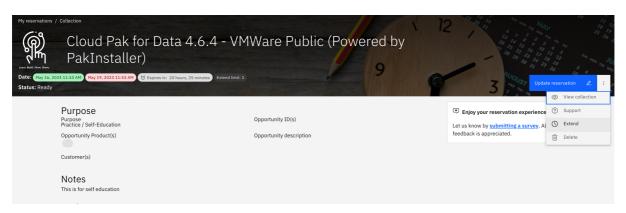


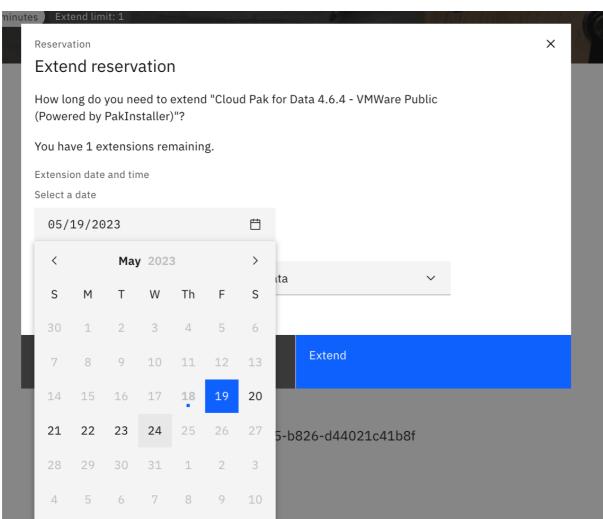


5. You will receive an email notification once environment is ready and you will also see it under "My reservations"



6. By default you will get the environment for 3 days only. Hence we will extend the reservation so that we can use the environment till the end of workshop. Click on Extend and choose date maximum allowed.





- 7. Wait for 6-7 hours for the installation to complete.
- 8. Goto the email that you received for the Ready environment and click on the URL as highlighted below

Status Update: Ready

Your environment is now available. Please use the following information to access the environment.

Environment Name:

Cloud Pak for Data 4.6.6 - VMWare Public (Powered by PakInstaller)

Reservation Details:

https://techzone.ibm.com/my/reservations/ibmcloud-2/649af16c8f968c0017c93430

Collection URL:

https://techzone.ibm.com/collection/63457fcba311ed0018ca2442

End Date:

2023-06-29 19:16:10 (UTC Time)

- PakInstaller Portal Admin: pakinstaller
 PakInstaller Portal Password: DTArJIsO
- PakInstaller Portal

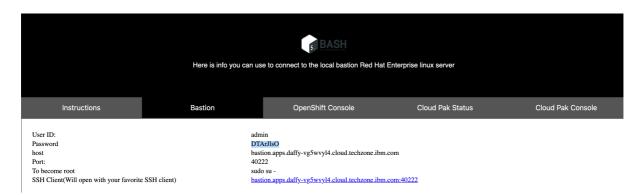
URL: https://pakinstaller:DTArJIsO@bastion.apps.daffyvg5wvyl4.cloud.techzone.ibm.com:32443/

Environment ID: daffy-vg5wvyl4

If you would like to share access to this environment with someone, learn more by referencing the How to share access to a reservation runbook.

If you have any questions, please visit our Runbooks or email our support team at techzone.help@ibm.com

9. Switch to Bastion tab



Click on the SSH Client link and use admin Password mention above to login to bastion host.

10. Switch to OpenShift Console tab



You should fine oc login command and ocpadmin password here as can be seen below

Run above oc login command from bastion host to login to installed OpenShift instance.

- 11. We need to enable Manta feature in WKC to track lineage as a part of our lab. It is not enabled by default. To enable it, you should follow next steps.
- 12. To download cpd cli from: https://github.com/cpd-cli-linux-EE-13.0.0.tgz on bastion host wget https://github.com/IBM/cpd-cli/releases/download/v13.0.0/cpd-cli-linux-EE-13.0.0.tgz

```
tar -xvf cpd-cli-linux-EE-13.0.0.tgz cd cpd-cli-linux-EE-13.0.0-9/
```

13. Execute below command to login to cluster

```
./cpd-cli manage login-to-ocp --username=${OCP_USERNAME} -- password=${OCP_PASSWORD} --server=${OCP_URL}
```

Replace \${OCP_USERNAME}, \${OCP_PASSWORD} and \${OCP_URL} with values obtained in Step 10 above.

14. Execute below command to enable optional features of WKC

```
./cpd-cli manage update-cr --component=wkc --cpd_instance_ns=cpd-
instance --cpd_operator_ns=ibm-common-services --
```

```
patch="{\"enableKnowledgeGraph\":True,\"enableDataQuality\":True,\"en
ableMANTA\":True}"
```

- 15. Check the status of the manta pods oc get pods -n cpd-instance | grep manta
- 16. If all manta pods are up and running, next step is to enable Metadata Import Lineage by adding license keys. We will provide license key during the session. Create license key file and copy given license key to that file.
- 17. Run below commands to add license key to the environment

```
oc set data secret/manta-keys -n cmd-instance --from-file=license.key=./license.key
```

18. Run below commands to restart pods to take the effect oc get po -n cpd-instance | grep manta-dataflow oc delete po <pod name obtained in above command> oc get po -n cpd-instance | grep metadata-discovery oc delete po <pod name obtained in above command> oc get po -n cpd-instance | grep wkc-metadata-imports-ui oc delete po <pod name obtained in above command>