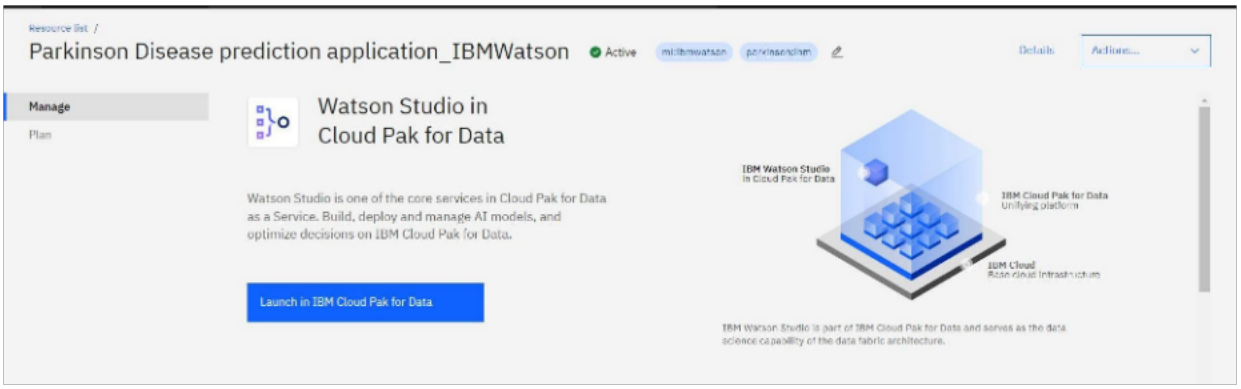
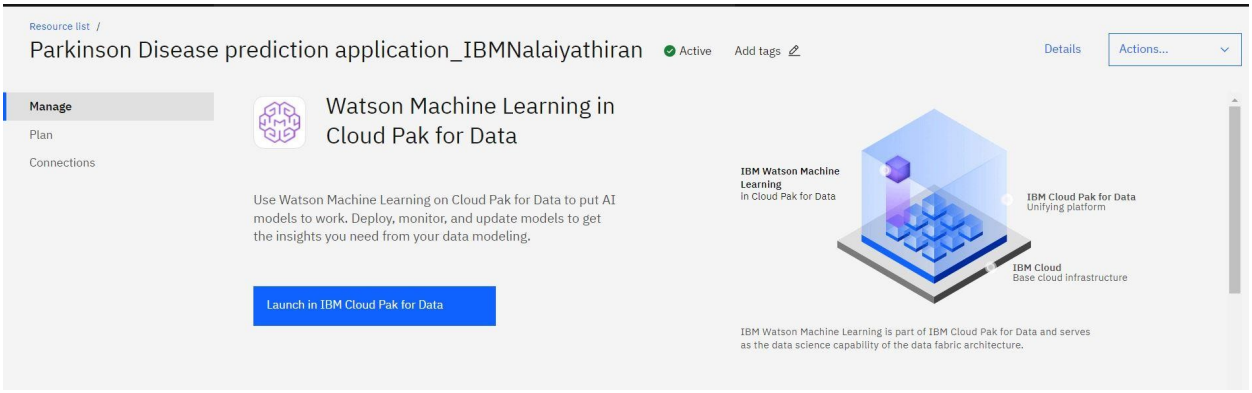
IBM Cloud - Machine Learning model deployment and user data integration

Team Id: PNT2022TMID19104
Project Name: Detecting Parkinson's Disease using Machine Learning

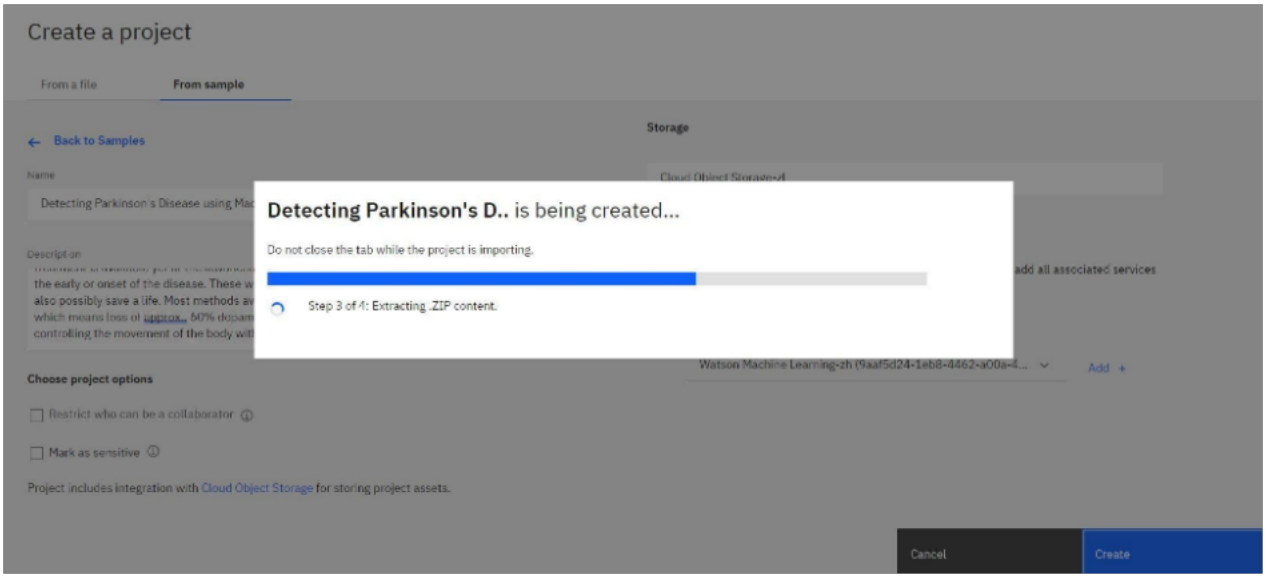
Machine Learning model registration and deployment initiation process:

Work 1)

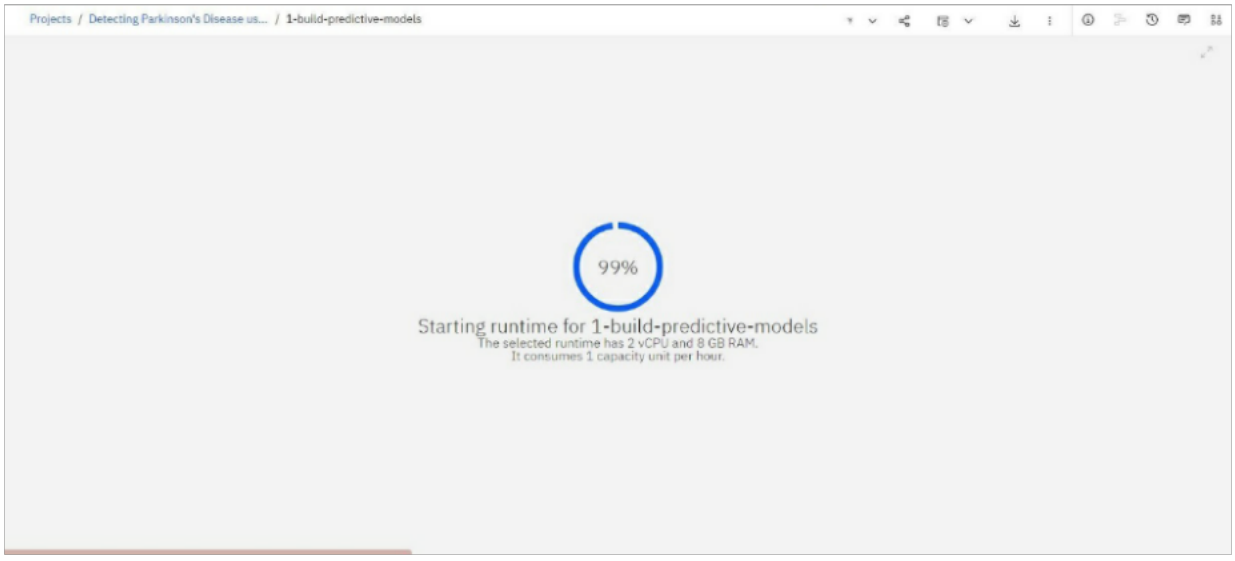




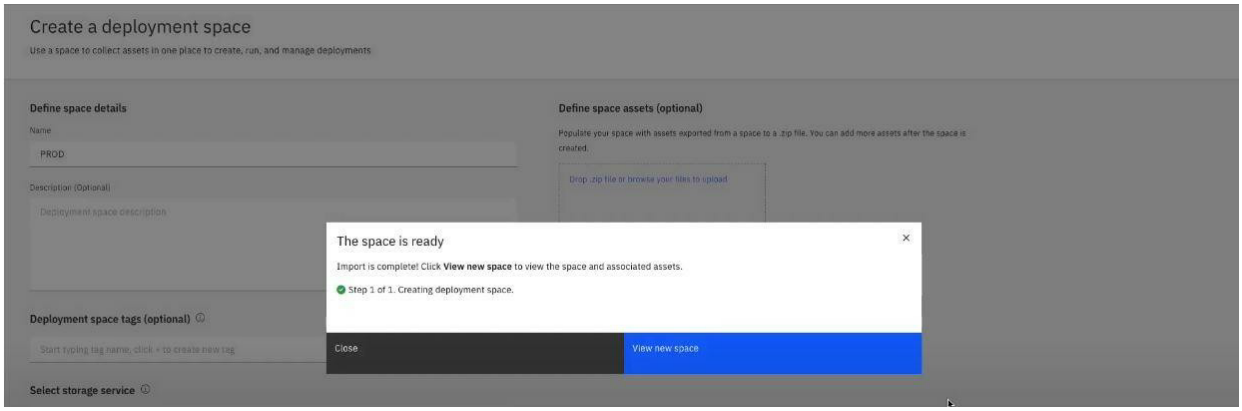
Work 2)


Create a project
From a file
From sample
Back to Samples
Storage
Detecting Parkinson's Disease using Mac
Detecting Parkinson's D.. is being created...
Do not close the tab while the project is importing.
Step 3 of 4: Extracting .ZIP content.
add all associated services
Choose project options
Restrict who can be a collaborator
Mark as sensitive
Project includes integration with Cloud Object Storage for storing project assets.
Add +
Cancel
Create

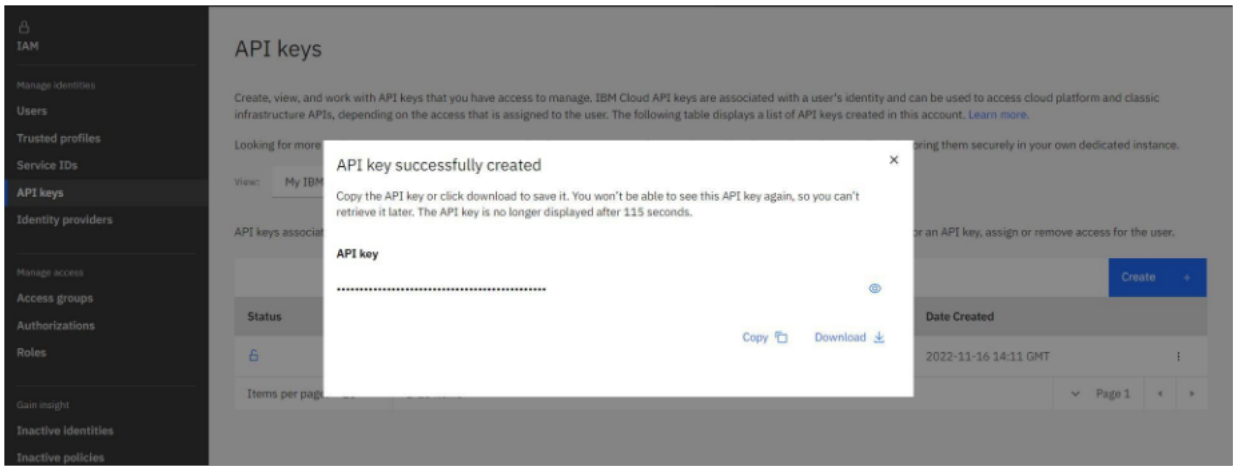
Work 3)


Projects / Detecting Parkinson's Disease us... / 1-build-predictive-models
99%
Starting runtime for 1-build-predictive-models
The selected runtime has 2 vCPU and 8 GB RAM.
It consumes 1 capacity unit per hour.

Work 4)


Create a deployment space
Use a space to collect assets in one place to create, run, and manage deployments
Define space details
Name
PROD
Description (Optional)
Deployment space description
Define space assets (optional)
Populate your space with assets exported from a space to a .zip file. You can add more assets after the space is created.
Drop .zip file or browse your files to upload
Deployment space tags (optional)
Start typing tag name, click + to create new tag
Select storage service
The space is ready
Import is complete! Click View new space to view the space and associated assets.
Step 1 of 1. Creating deployment space.
Close
View new space

Work 5)

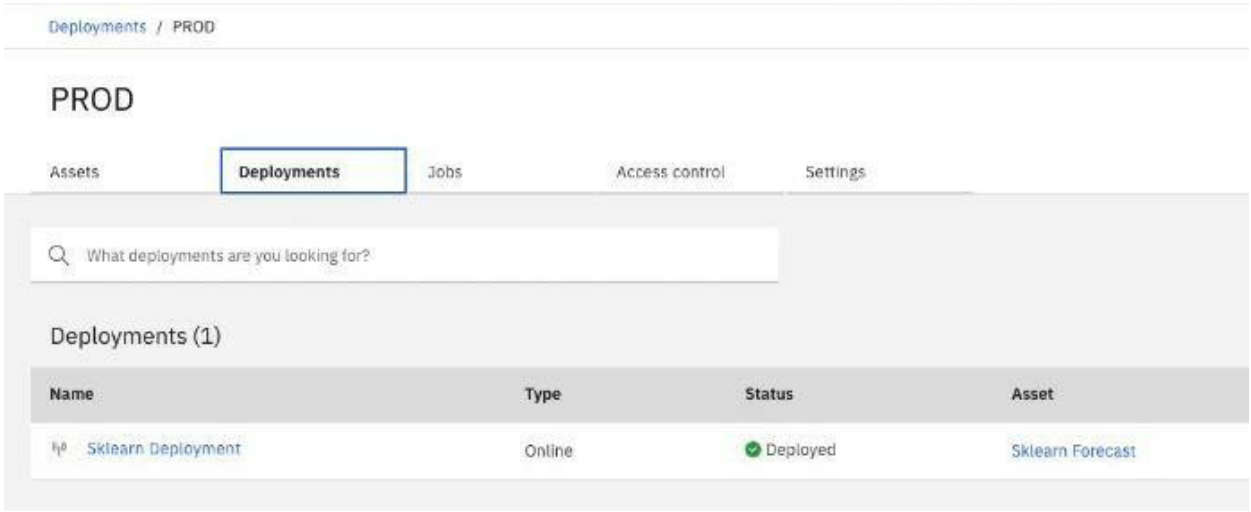

IAM
Manage identities
Users
Trusted profiles
Service IDs
API keys
Identity providers
Manage access
Access groups
Authorizations
Roles
Gain insight
Inactive identities
Inactive policies
API keys
Create, view, and work with API keys that you have access to manage. IBM Cloud API keys are associated with a user's identity and can be used to access cloud platform and classic infrastructure APIs, depending on the access that is assigned to the user. The following table displays a list of API keys created in this account. Learn more.
Looking for more
ring them securely in your own dedicated instance.
View:
My IBM
API keys associa
or an API key, assign or remove access for the user.
Create
Status
Date Created
2022-11-16 14:11 GMT
Items per page
Page 1
API key successfully created
Copy the API key or click download to save it. You won't be able to see this API key again, so you can't retrieve it later. The API key is no longer displayed after 115 seconds.
API key
Copy
Download

Work 6)

```
# Set meta
deployment_props = {
    wml_client.deployments.ConfigurationMetaNames.NAME:DEPLOYMENT_NAME,
    wml_client.deployments.ConfigurationMetaNames.ONLINE: {}
}

# Deploy
deployment = wml_client.deployments.create(
    artifact_uid=model_uid,
    meta_props=deployment_props
)

# Output result
deployment
```

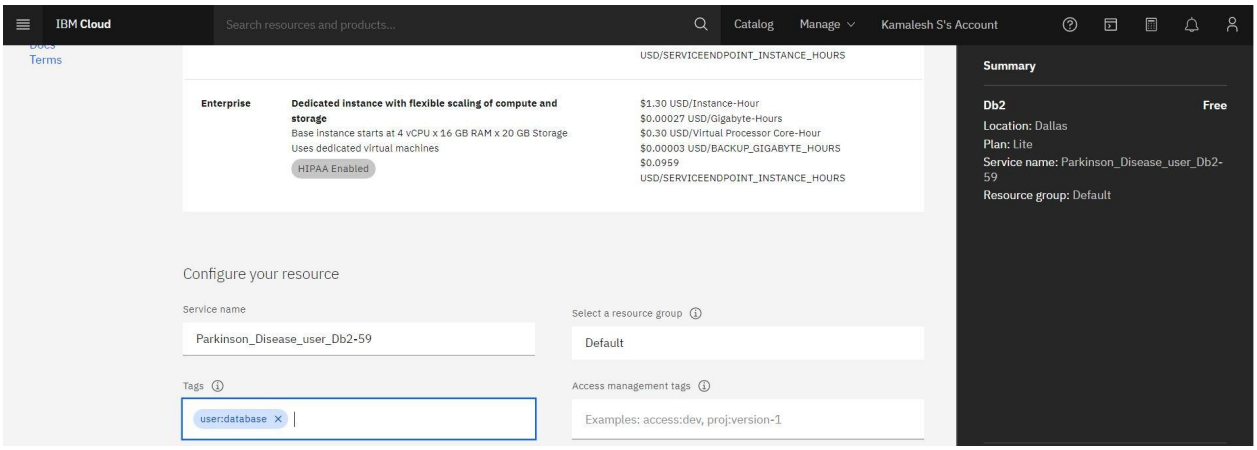
```
#######################################################################################

Synchronous deployment creation for uid: '6717965d-bf1b-492f-9374-b9791915c168' started

#######################################################################################


initializing
ready


------------------------------------------------------------------------------------------------
Successfully finished deployment creation, deployment_uid='01c279a5-21aa-41a2-92ae-5cfac2ad5d59'
------------------------------------------------------------------------------------------------
```

Work 7)

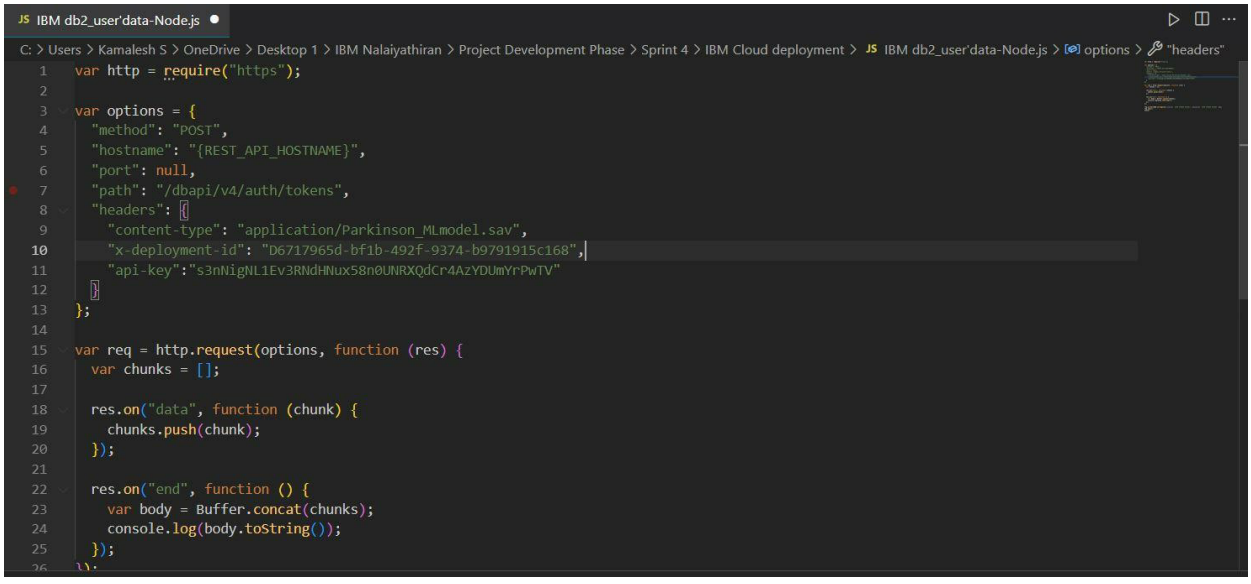


User data integration from react to the IBM DB2 service:

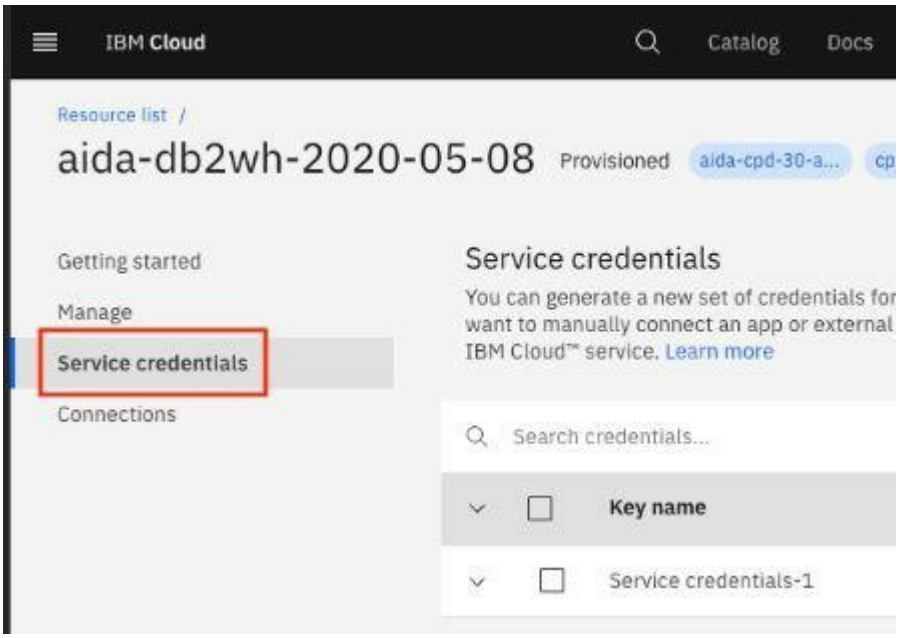
Work 1)



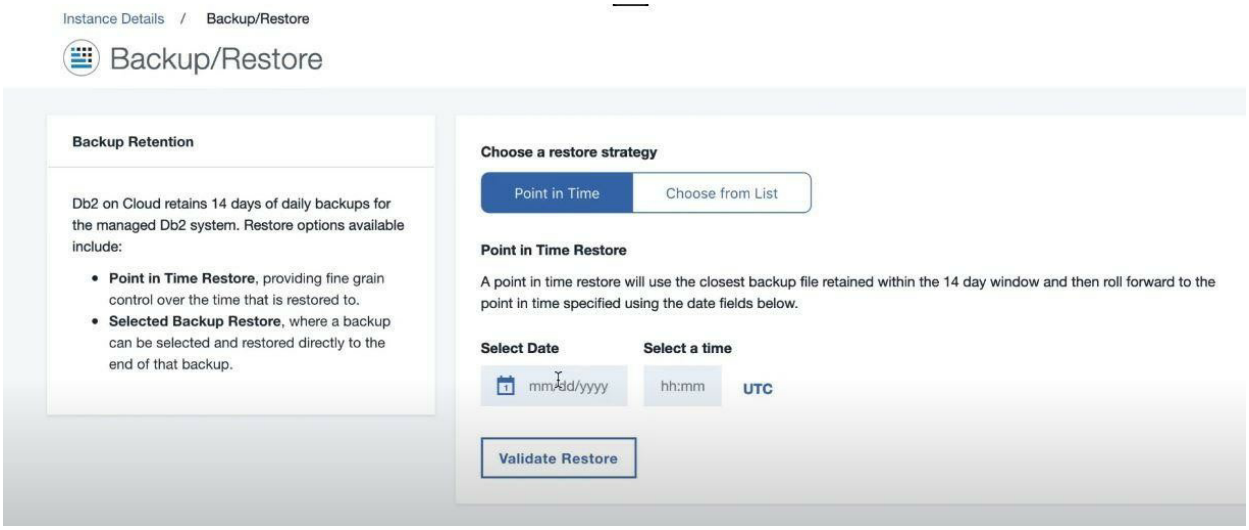
Work 2)



Work 3)


IBM Cloud
Catalog
Docs
Resource list /
aida-db2wh-2020-05-08
Provisioned
aida-cpd-30-a...
Getting started
Manage
Service credentials
Connections
Service credentials
You can generate a new set of credentials for
want to manually connect an app or external
IBM Cloud™ service. Learn more
Search credentials...
Key name
Service credentials-1

Work 4)


Instance Details / Backup/Restore
Backup/Restore
Backup Retention
Db2 on Cloud retains 14 days of daily backups for the managed Db2 system. Restore options available include:
Point in Time Restore, providing fine grain control over the time that is restored to.
Selected Backup Restore, where a backup can be selected and restored directly to the end of that backup.
Choose a restore strategy
Point in Time
Choose from List
Point in Time Restore
A point in time restore will use the closest backup file retained within the 14 day window and then roll forward to the point in time specified using the date fields below.
Select Date
Select a time
mm/dd/yyyy
hh:mm
UTC
Validate Restore