Scheduling Python on Cloud Foundry With Business Application Studio and no local install

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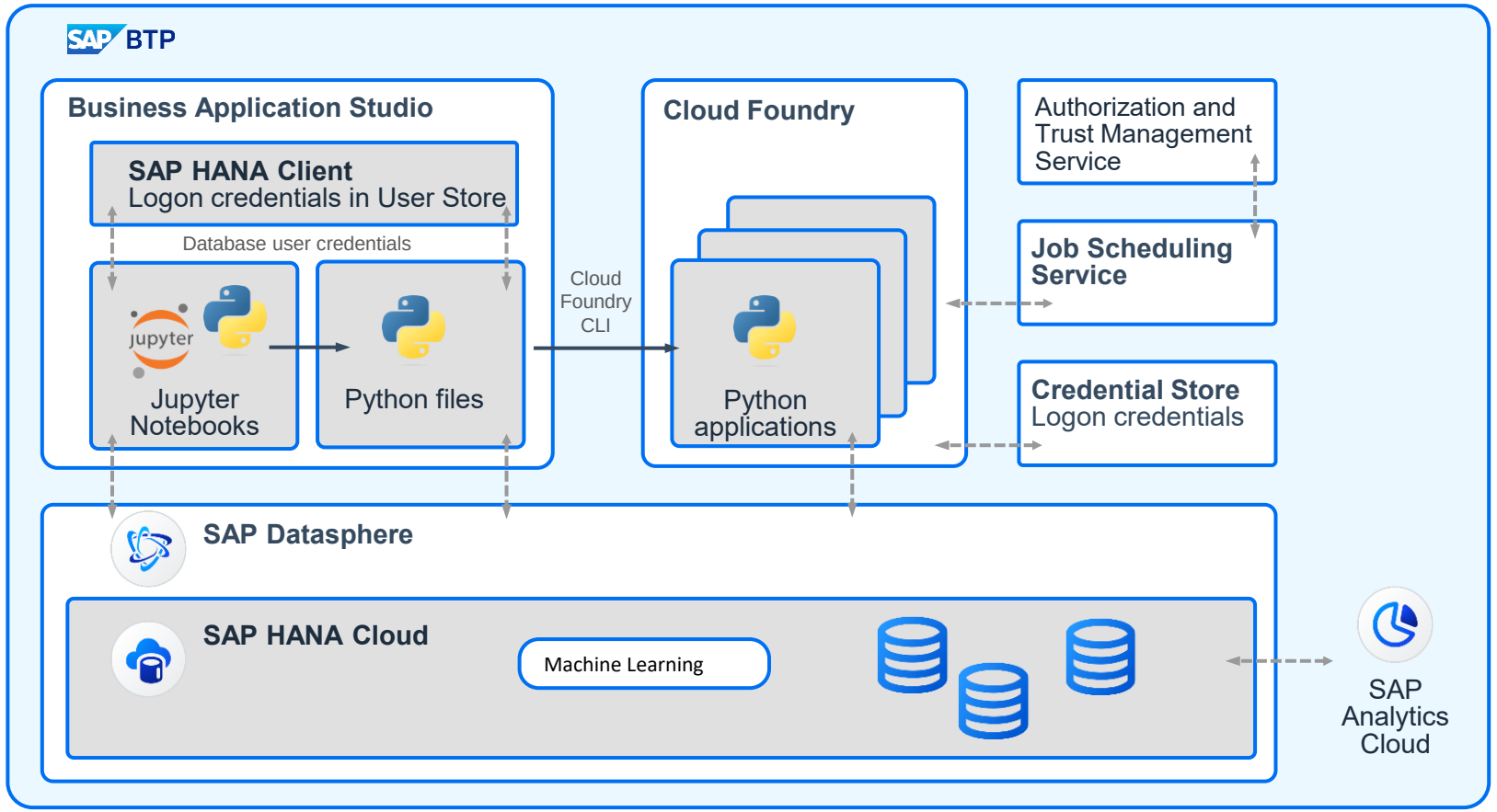
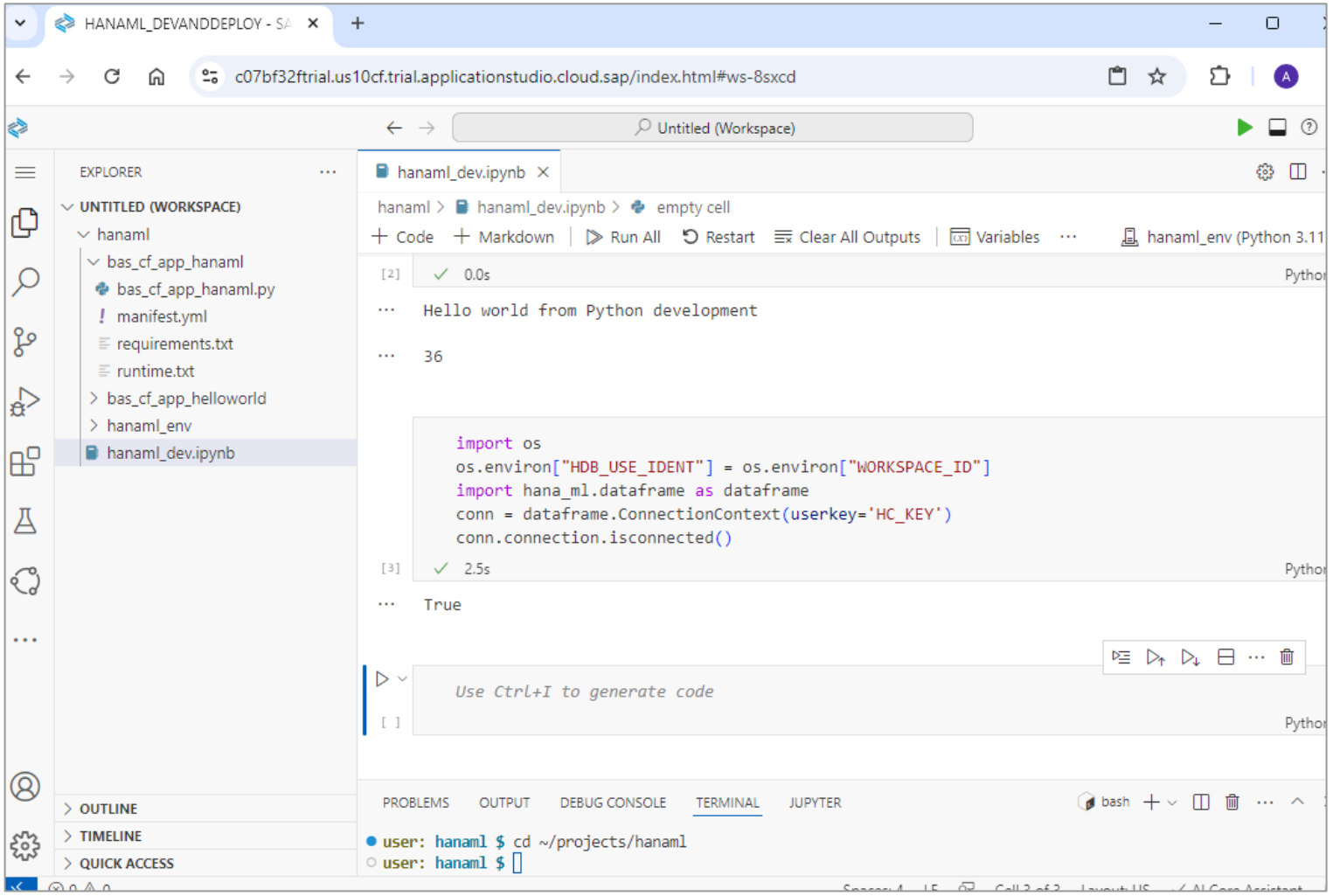
SAP BTP

SAP Datasphere Machine Learning with Business Application Studio Architecture

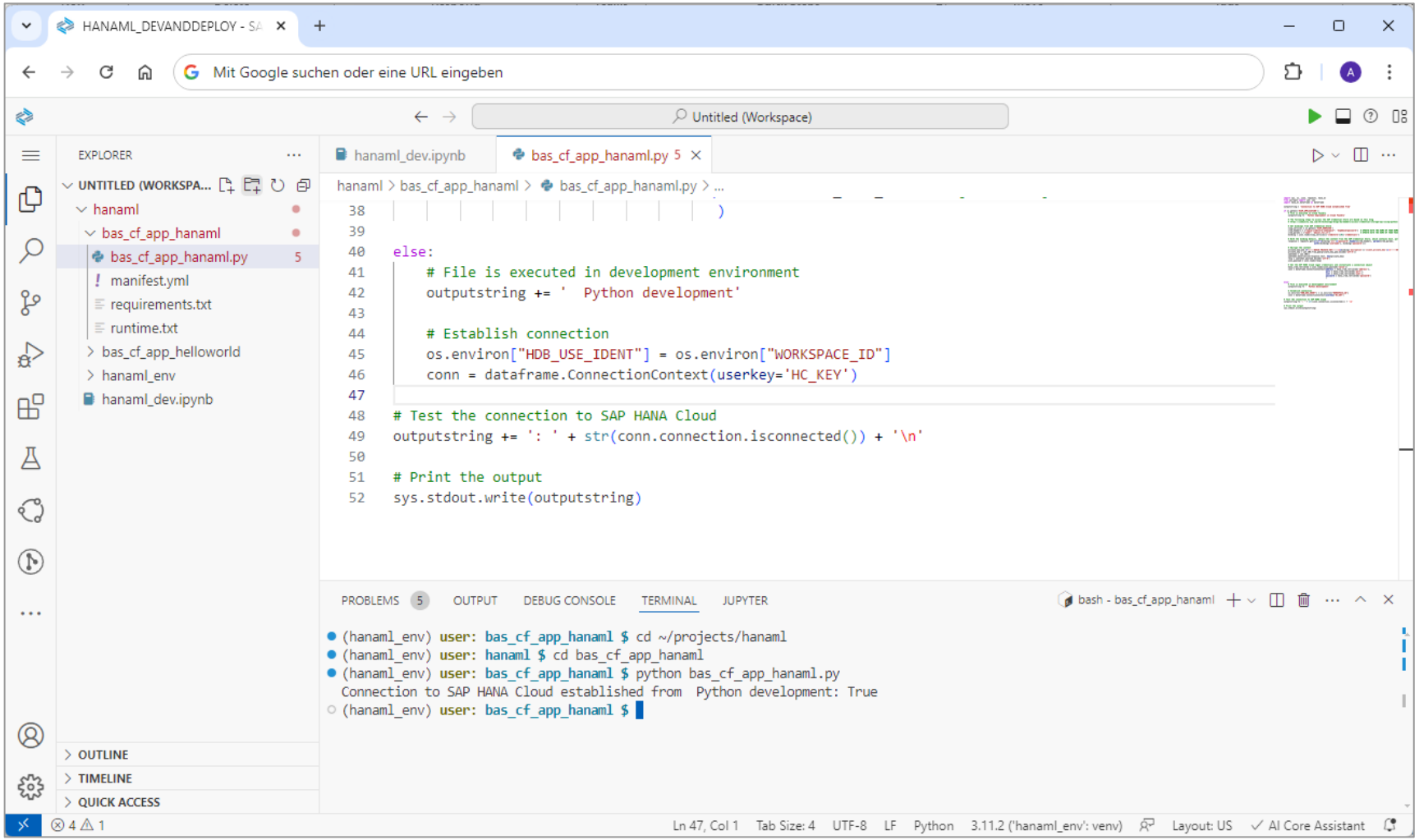


Jupyter Notebook in Business Application Studio
Logon credentials from the SAP HANA Client's User Store



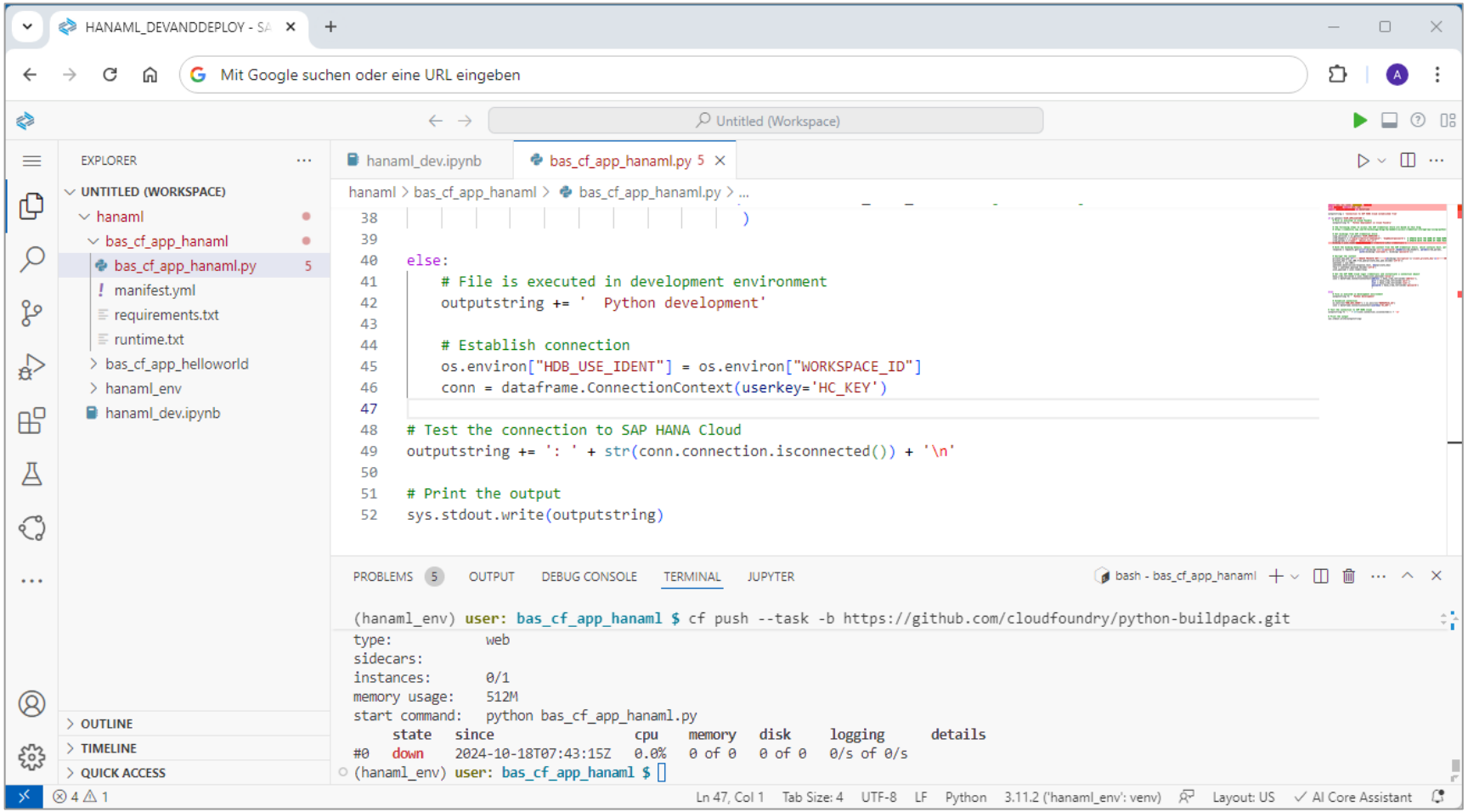
source hanaml_env/bin/activate

Python application in Business Application Studio
Logon credentials from the SAP HANA Client's User Store



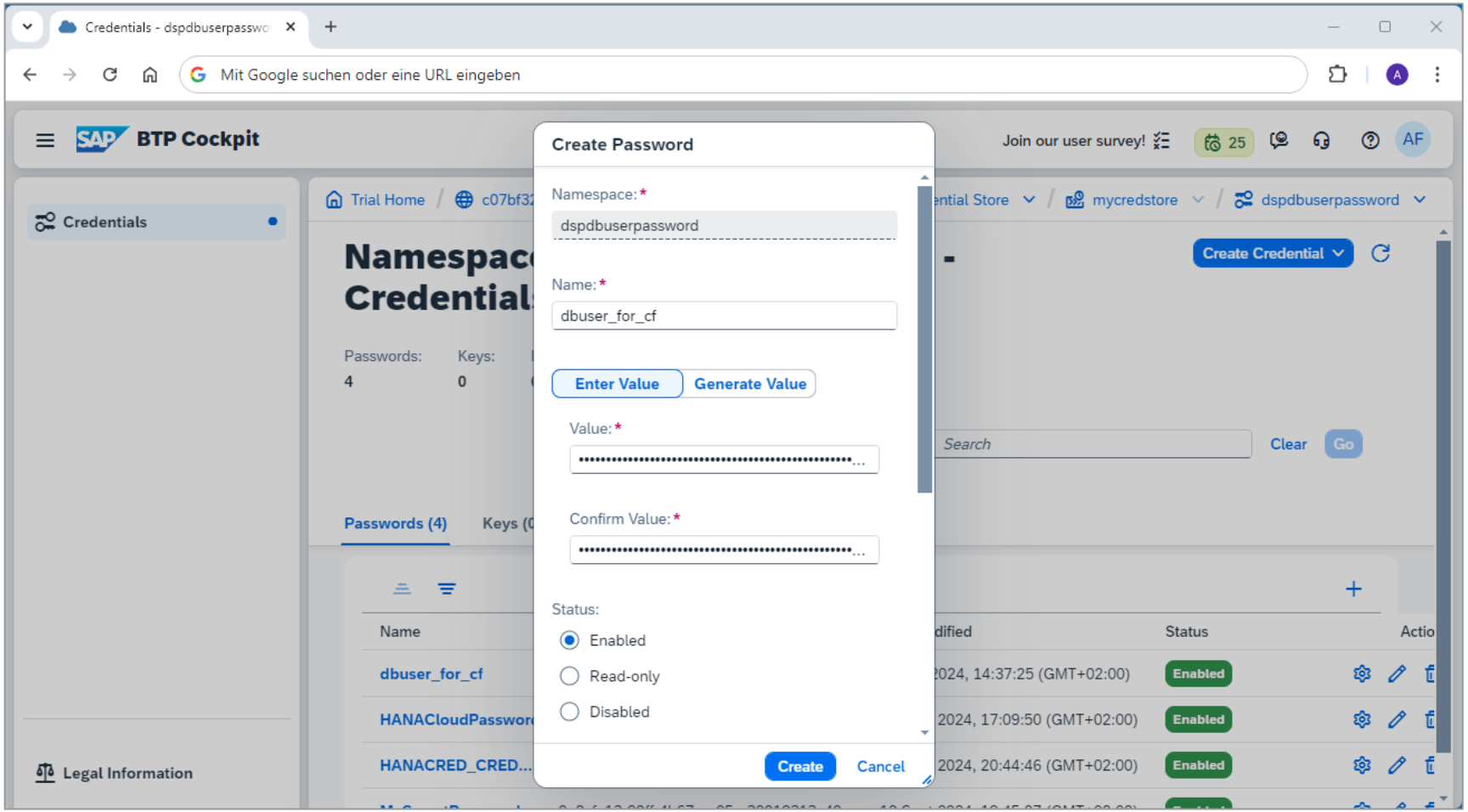

```
cd ~/projects/hanaml
cd bas_cf_app_hanaml
python bas_cf_app_hanaml.py
```

Python application in Business Application Studio
Deploy as application to Cloud Foundry



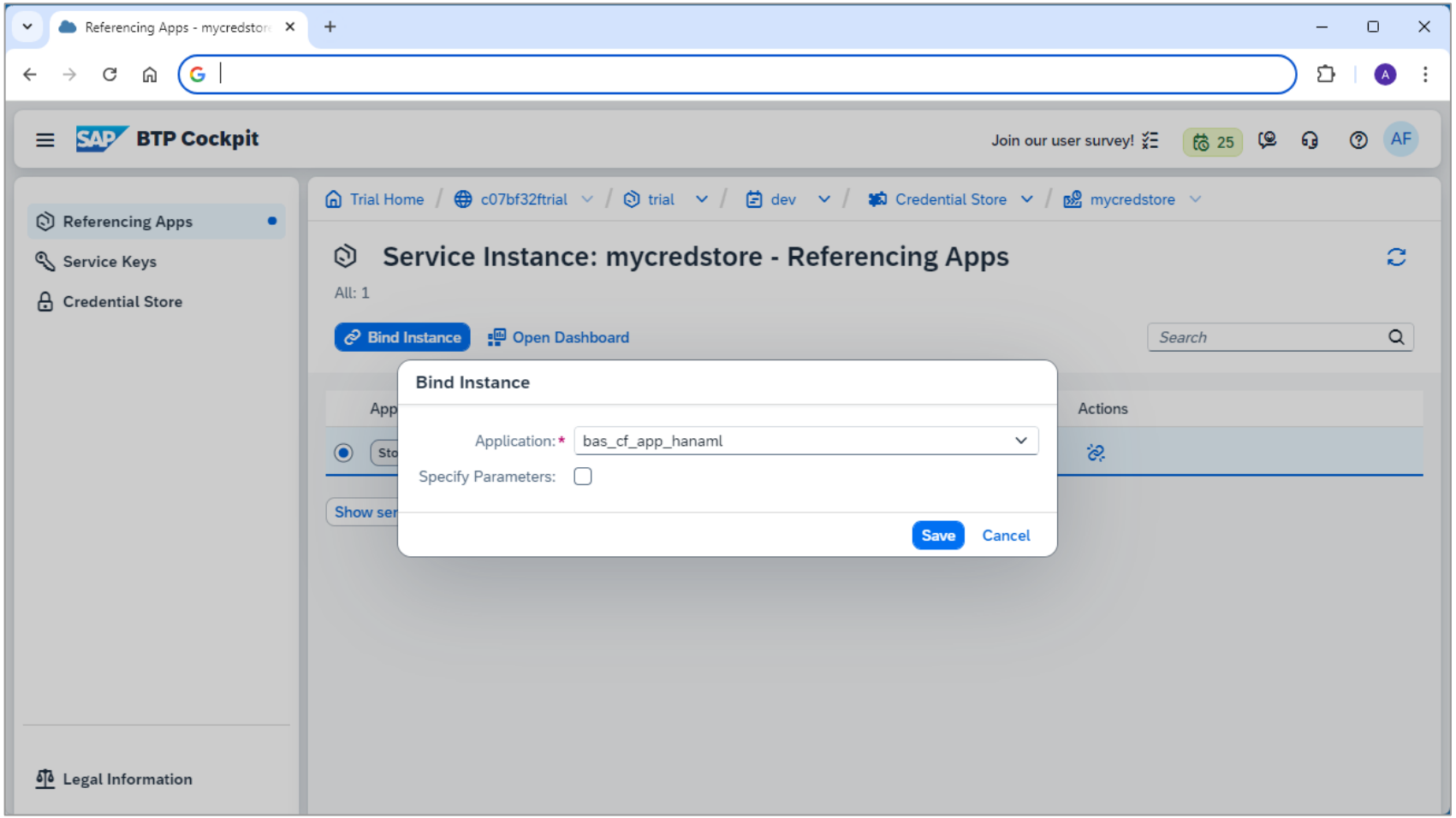
cf login
cf push --task -b https://github.com/cloudfoundry/python-buildpack.git

Python application in Cloud Foundry
Store database user credentials in Credential Store

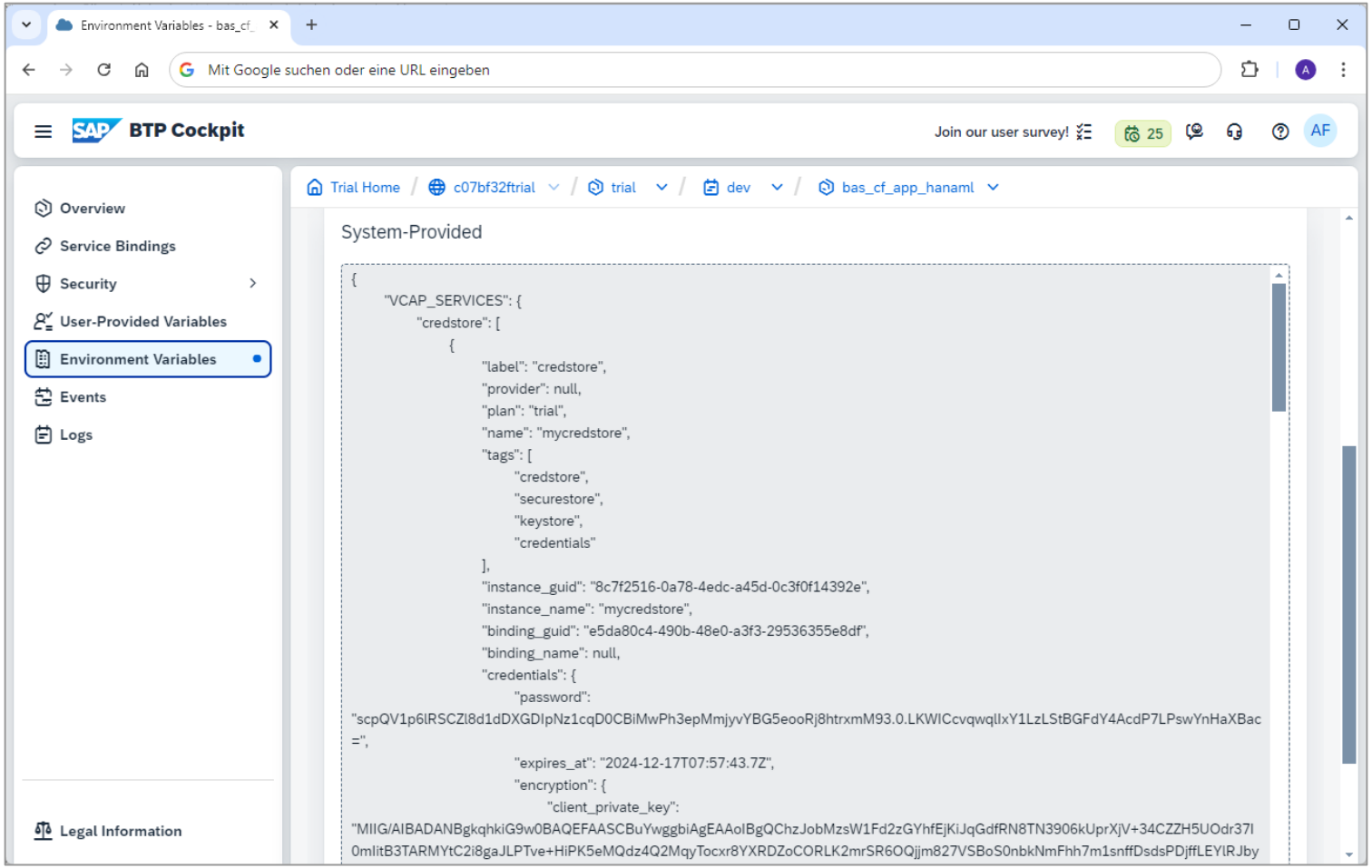


{"address": "REPLACEWITHYOURHANASERVER", "port": 443, "user": "REPLACEWITHYOURUSER", "password": "REPLACEWITHYOURPASSWORD"}

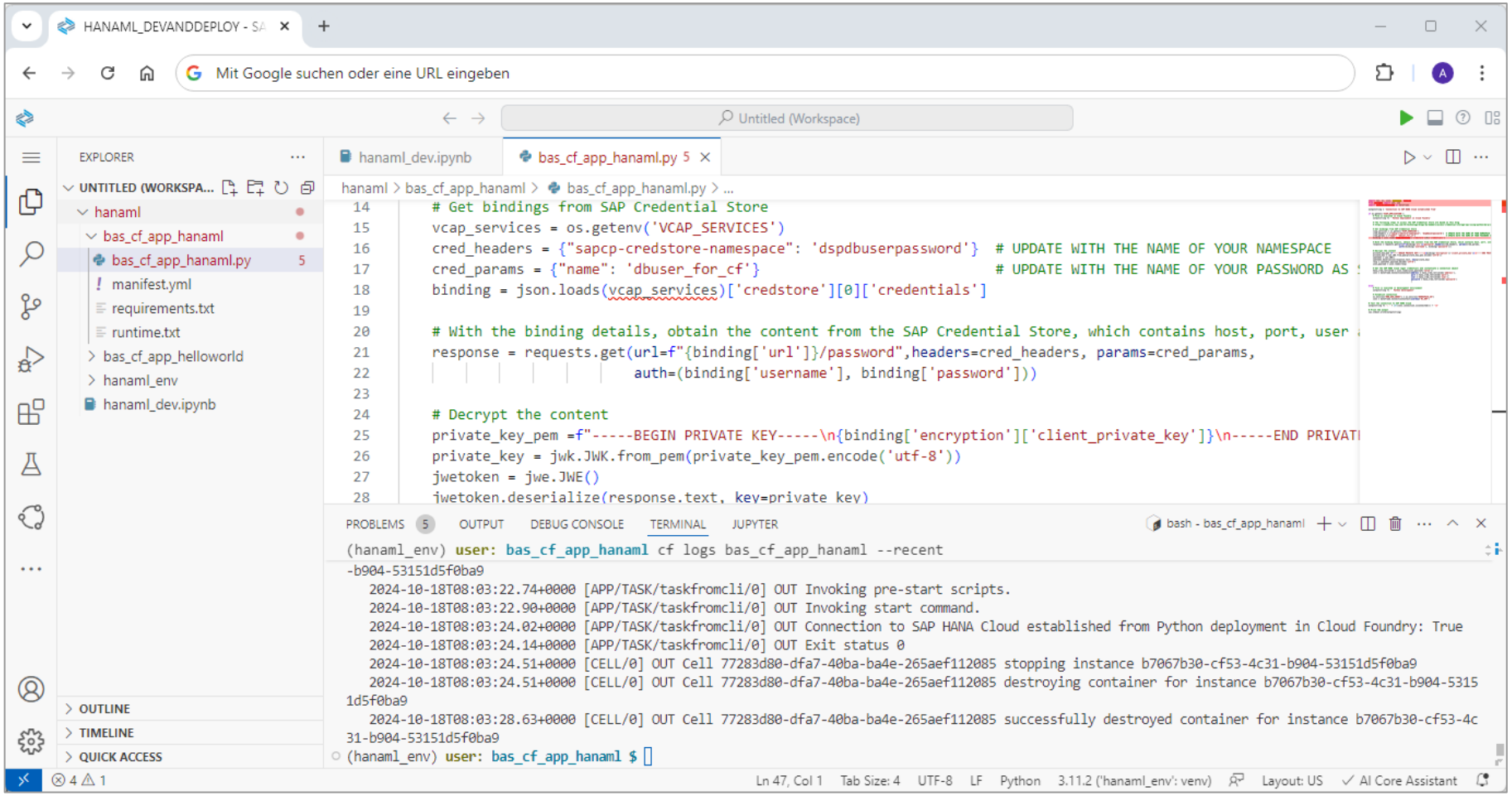
Python application in Cloud Foundry
Bind instance of Credential Store to the Cloud Foundry Python application



Python application in Cloud Foundry
Environment variable of the application now allow access to the Credential Store

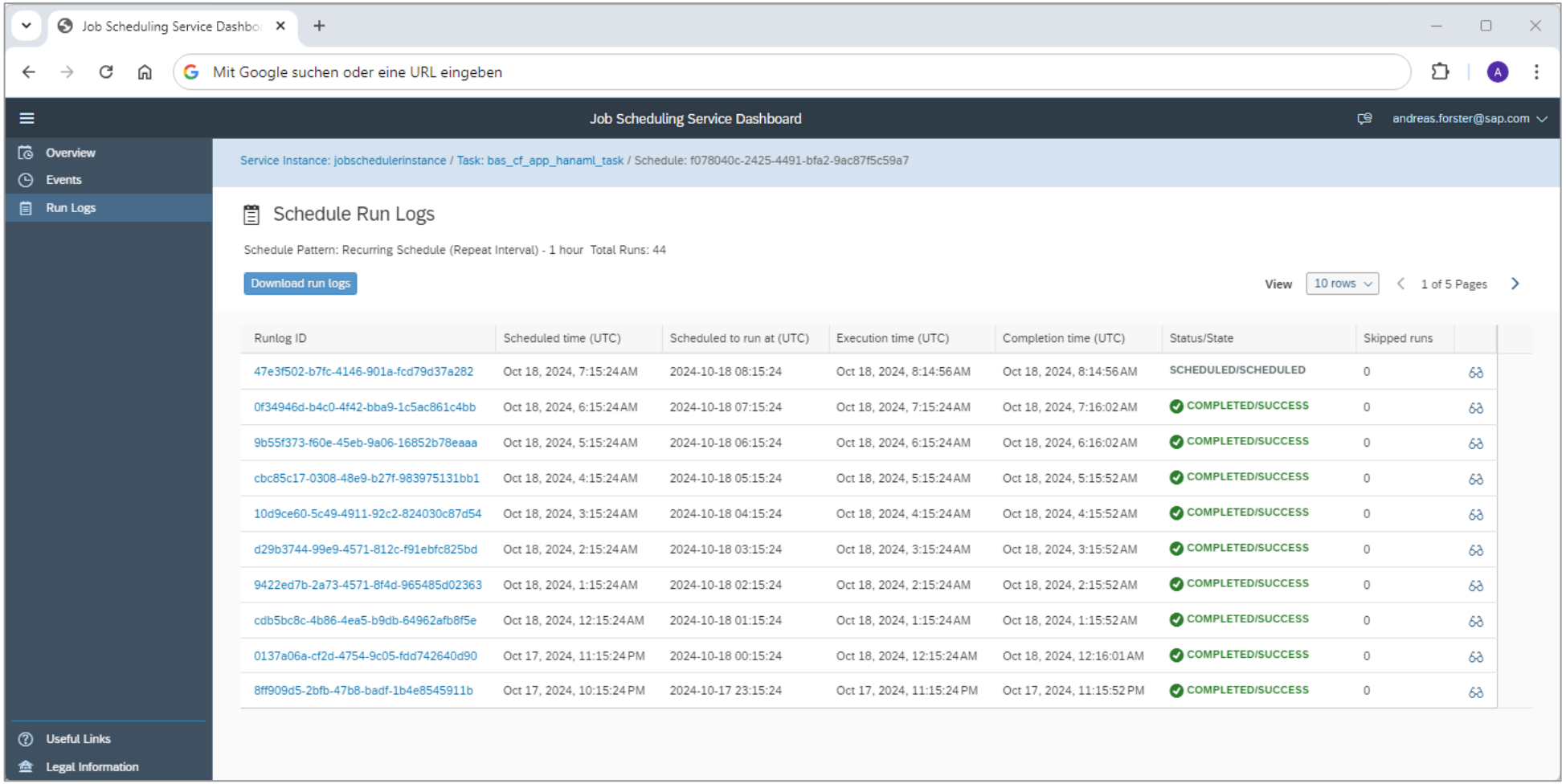


Python application in Cloud Foundry
Run application via Cloud Foundry CLI



cf run-task bas_cf_app_hanaml --command "python bas_cf_app_hanaml.py" --name taskfromcli
cf logs bas_cf_app_hanaml --recent

Python application in Cloud Foundry
Schedule application with Job Scheduling Service



https://community.sap.com/t5/technology-blogs-by-sap/scheduling-python-code-on-cloud-foundry/ba-p/13503697

Thank you.

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