



SAP Intelligent Enterprise

PUBLIC

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SAP Cloud SDK



Leverage SAP solutions in your Cloud-native application to quickly achieve business requirements

SAP Cloud SDK ...



reduces development effort,

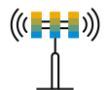


improves quality, and



helps adopting Cloud-native best practices.

Use the SAP Cloud SDK to ...



consume services and messages* of many SAP solutions from Java and JavaScript,



access services of SAP Cloud Platform, and



continuously deliver Cloud-native applications on SAP Cloud Platform.

S/4HANA Cloud SDK

Data Model for S/4HANA Connectivity

Manual way to OData

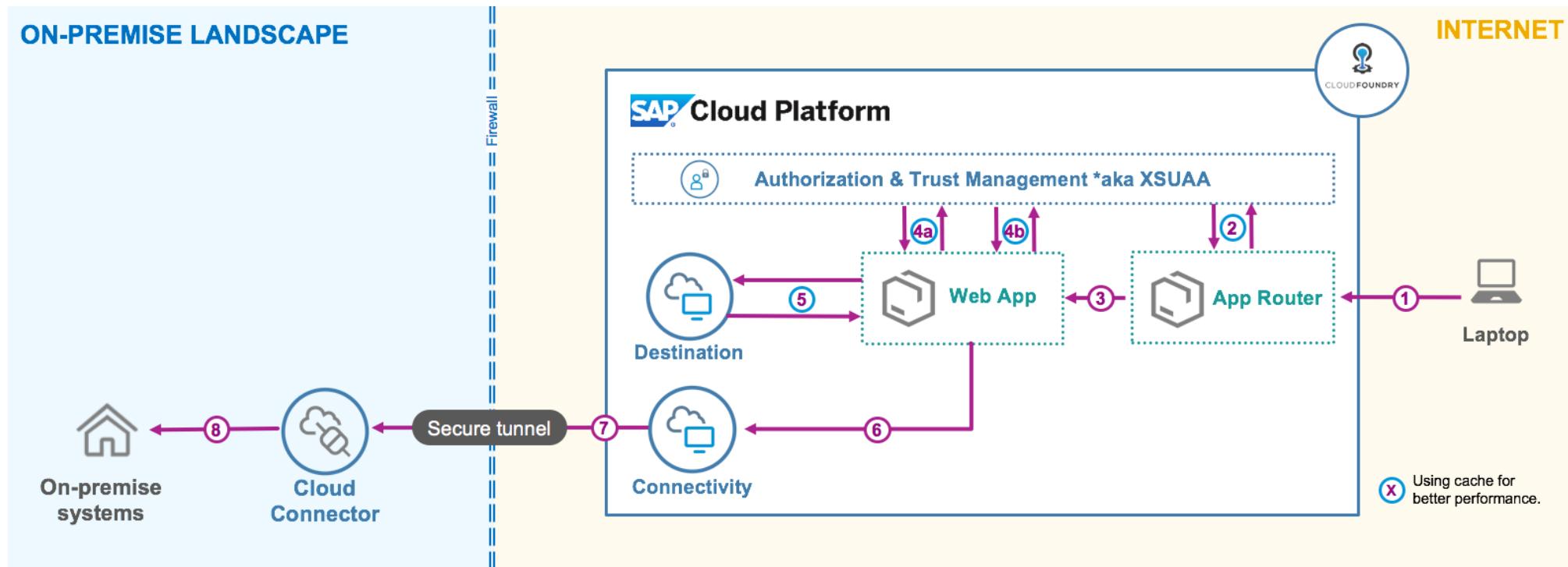
```
final ErpEndpoint endpoint = new ErpEndpoint();
final List<MyBusinessPartnerType> businessPartners = ODataQueryBuilder
    .withEntity("/sap/opu/odata/sap/API_BUSINESS_PARTNER",
        "A_BusinessPartner")
    .select("BusinessPartner",
        "LastName",
        "FirstName",
        "IsMale",
        "IsFemale",
        "CreationDate")
    .build()
    .execute(endpoint)
    .asList(MyBusinessPartnerType.class);
```

Virtual Data Model: Simplicity and Type Safety

```
final List<BusinessPartner> businessPartners =
    new DefaultBusinessPartnerService()
        .getAllBusinessPartner()
        .select(BusinessPartner.BUSINESS_PARTNER,
            BusinessPartner.LAST_NAME,
            BusinessPartner.FIRST_NAME,
            BusinessPartner.IS_MALE,
            BusinessPartner.IS_FEMALE,
            BusinessPartner.CREATION_DATE)
        .execute();
```

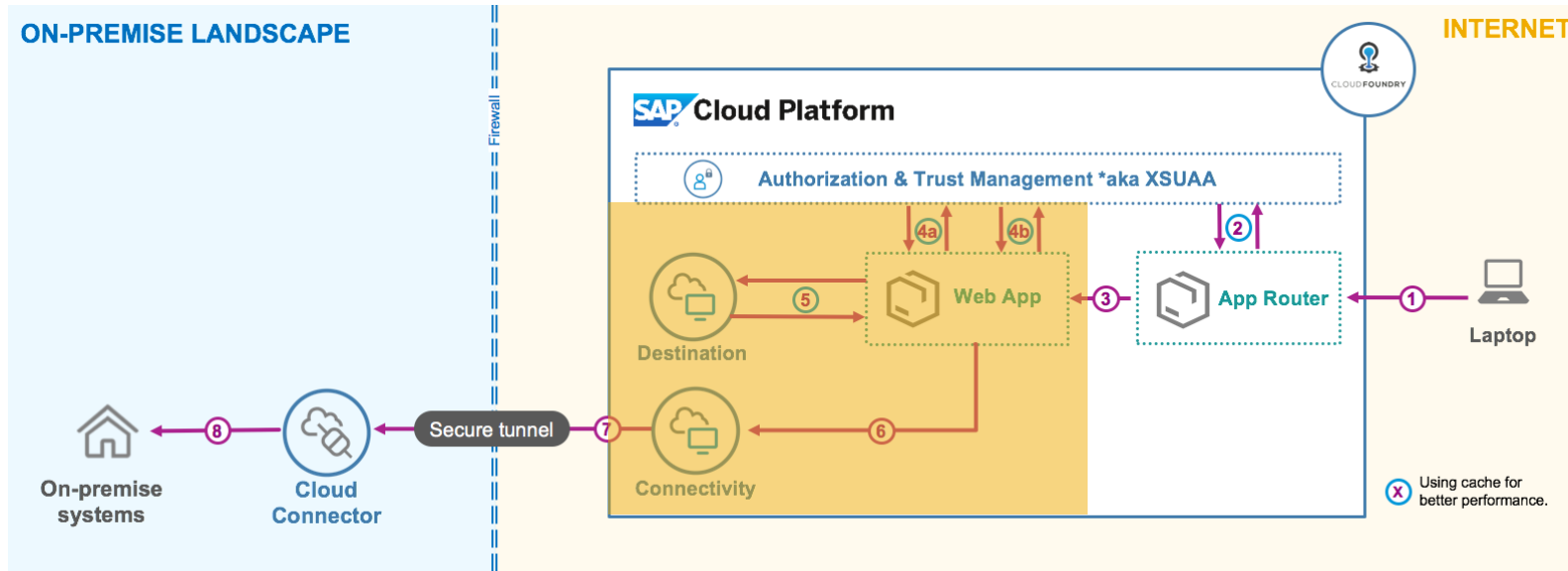
SAP Cloud Platform, Cloud Foundry

S/4HANA Connectivity



S/4HANA Cloud SDK

Simplification of the S/4HANA Connectivity

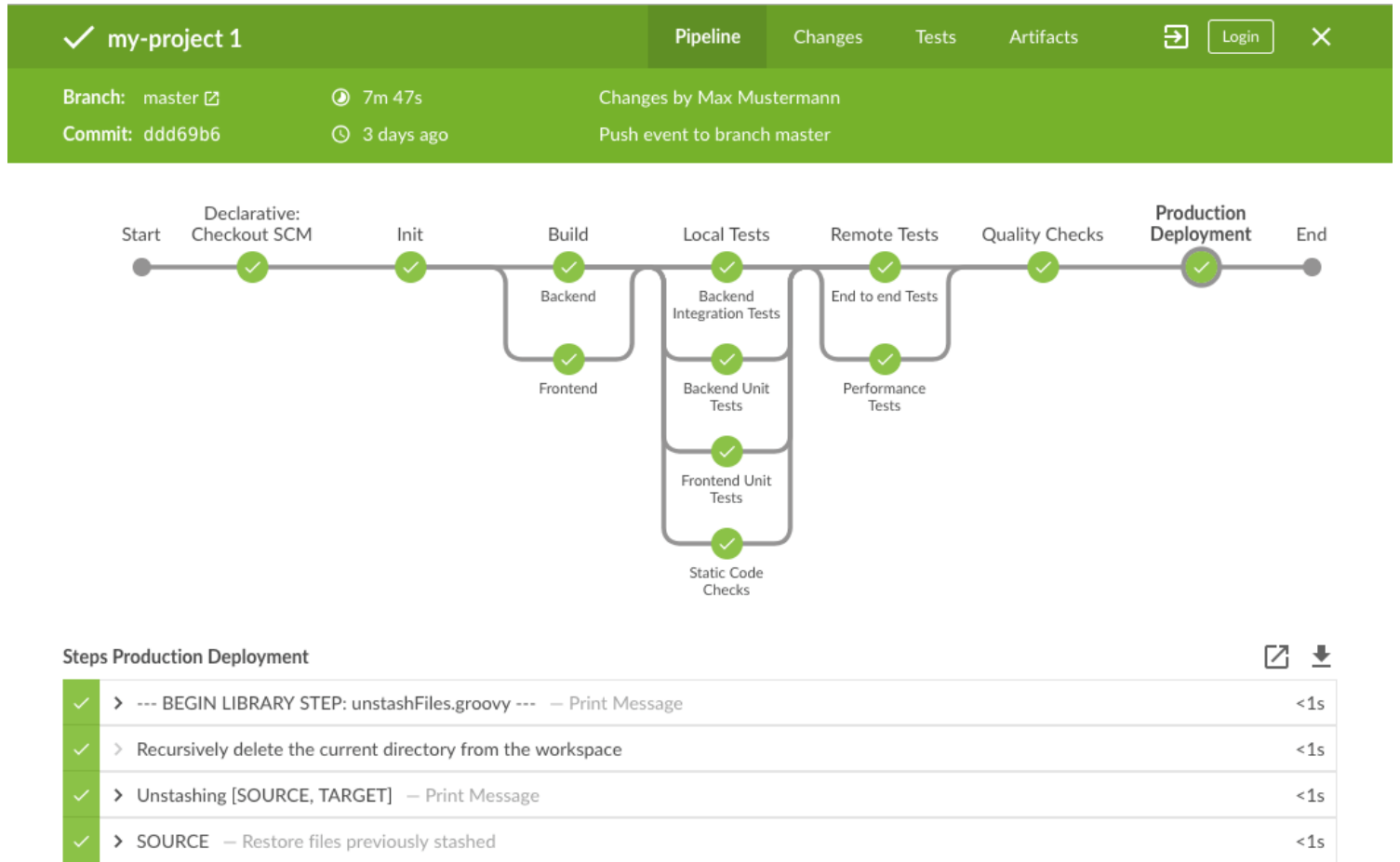


The SDK handles the steps *4a*, *4b*, *5*, and *6* when calling the *execute()* of a query

```
final List<BusinessPartner> businessPartners =  
    new DefaultBusinessPartnerService()  
        .getAllBusinessPartner()  
        .select(BusinessPartner.BUSINESS_PARTNER,  
            BusinessPartner.LAST_NAME,  
            BusinessPartner.FIRST_NAME,  
            BusinessPartner.IS_MALE,  
            BusinessPartner.IS_FEMALE,  
            BusinessPartner.CREATION_DATE)  
        .execute();
```

SAP S/4HANA Cloud SDK Continuous Delivery Infrastructure for Partners

- **Rapid DevOps productivity** for partners starting development of S/4HANA extension apps using the S/4HANA Cloud SDK
- **Compliance to SAP guidelines, quality standards**, legal regulations, and continuous delivery best practices

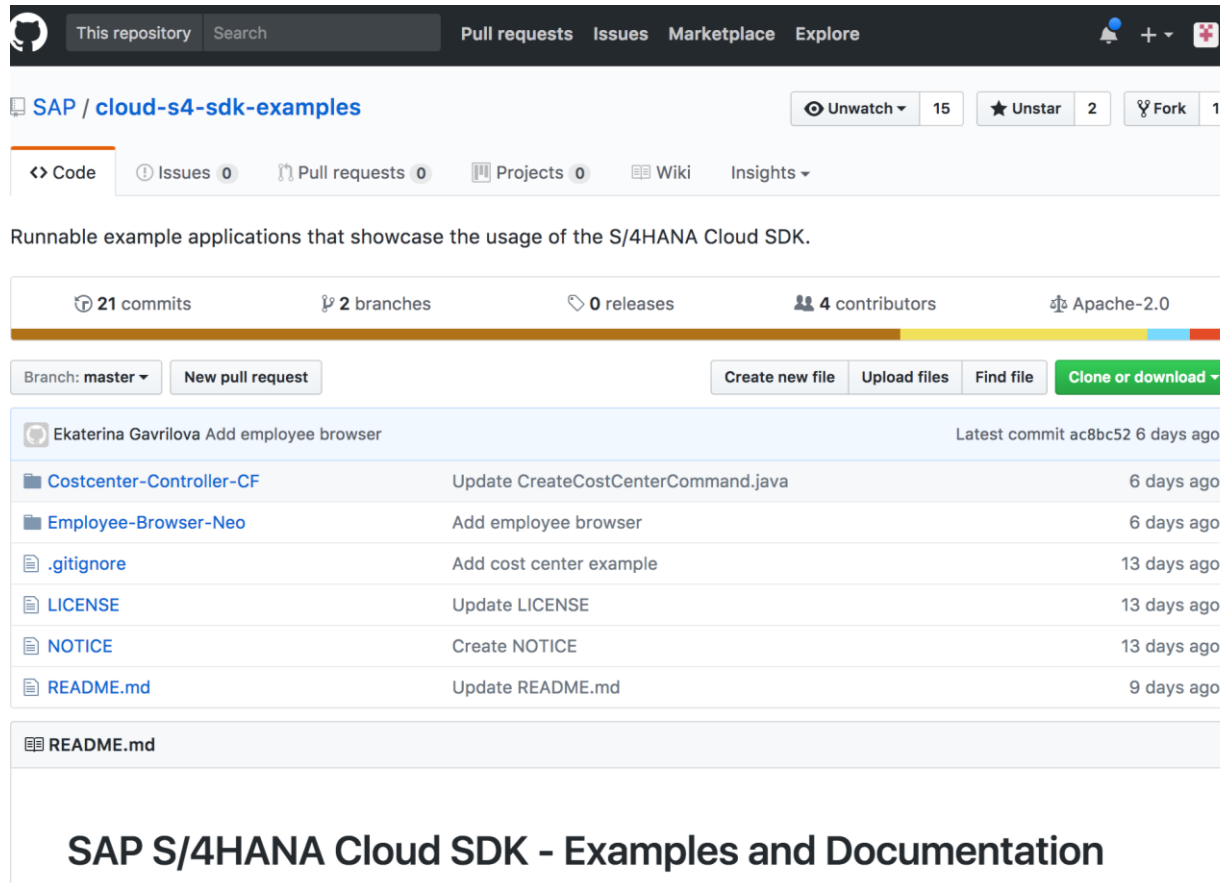


<https://github.com/SAP/cloud-s4-sdk-pipeline>

<https://hub.docker.com/r/s4sdk/>

S/4HANA Cloud SDK

Easy to start with



The screenshot shows the GitHub repository for SAP S/4HANA Cloud SDK examples. The repository is named "cloud-s4-sdk-examples" and is owned by SAP. It has 15 watchers, 2 stars, and 1 fork. The repository is licensed under Apache-2.0 and has 21 commits, 2 branches, and 4 contributors. The latest commit is by Ekaterina Gavrilova, titled "Add employee browser", and is dated 6 days ago. The repository contains several files and folders, including "Costcenter-Controller-CF", "Employee-Browser-Neo", ".gitignore", "LICENSE", "NOTICE", and "README.md". The README.md file is highlighted, showing the title "SAP S/4HANA Cloud SDK - Examples and Documentation".

Runnable example applications that showcase the usage of the S/4HANA Cloud SDK.

File/Folder	Commit Message	Time Ago
Costcenter-Controller-CF	Update CreateCostCenterCommand.java	6 days ago
Employee-Browser-Neo	Add employee browser	6 days ago
.gitignore	Add cost center example	13 days ago
LICENSE	Update LICENSE	13 days ago
NOTICE	Create NOTICE	13 days ago
README.md	Update README.md	9 days ago

SAP S/4HANA Cloud SDK - Examples and Documentation

FAQ

[SAP S/4HANA Cloud SDK: FAQ](#)

Tutorials

[Step 1 with SAP S/4HANA Cloud SDK: Set up](#)

[Step 2 with SAP S/4HANA Cloud SDK: HelloWorld on SCP Neo](#)

[Step 3 with SAP S/4HANA Cloud SDK: HelloWorld on SCP CloudFoundry](#)

[Step 4 with SAP S/4HANA Cloud SDK: Calling an OData Service](#)

[Step 5 with SAP S/4HANA Cloud SDK: Resilience with Hystrix](#)

[Step 6 with SAP S/4HANA Cloud SDK: Caching](#)

[Step 7 with SAP S/4HANA Cloud SDK: Secure your Application on SAP Cloud Platform, CloudFoundry](#)

[Step 8 with SAP S/4HANA Cloud SDK: Secure your Application on SAP Cloud Platform, Neo](#)

[Step 9 with SAP S/4HANA Cloud SDK: Implement and Deploy a Frontend Application](#)

[Step 10 with SAP S/4HANA Cloud SDK: Virtual Data Model for OData](#)

[Step 11 with SAP S/4HANA Cloud SDK: Virtual Data Model for BAPI](#)

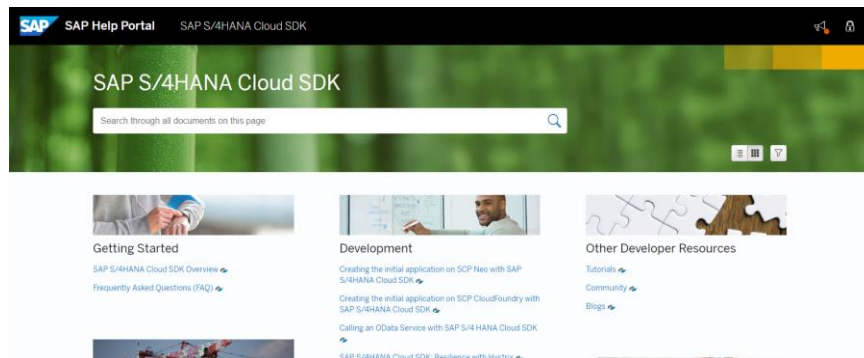
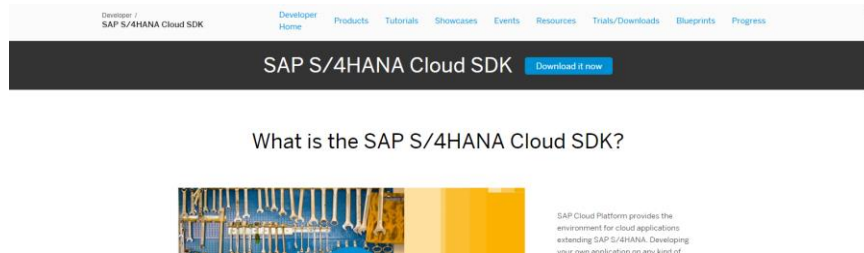
[Step 12 with SAP S/4HANA Cloud SDK: Logging with SAP S/4HANA Cloud SDK](#)

[Step 13 with SAP S/4HANA Cloud SDK: Automated Testing](#)

[Step 14 with SAP S/4HANA Cloud SDK: Continuous integration and delivery](#)

Information Resources

SAP S/4HANA Cloud SDK



Official website of SAP S/4HANA Cloud SDK on sap.com

www.sap.com/s4sdk

Official help page

help.sap.com > S/4HANA Cloud SDK

Stack Overflow: [s4sdk](https://stackoverflow.com/questions/tagged/s4sdk)

Central contact address:
s4sdk@sap.com

Questions & answers



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