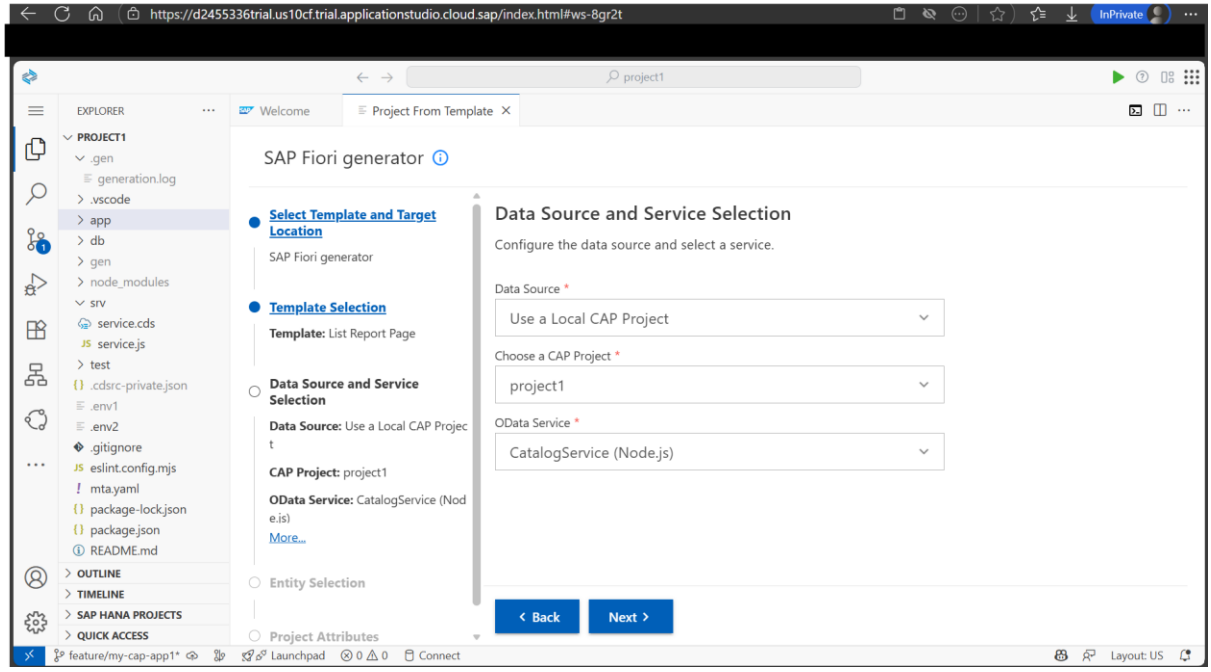
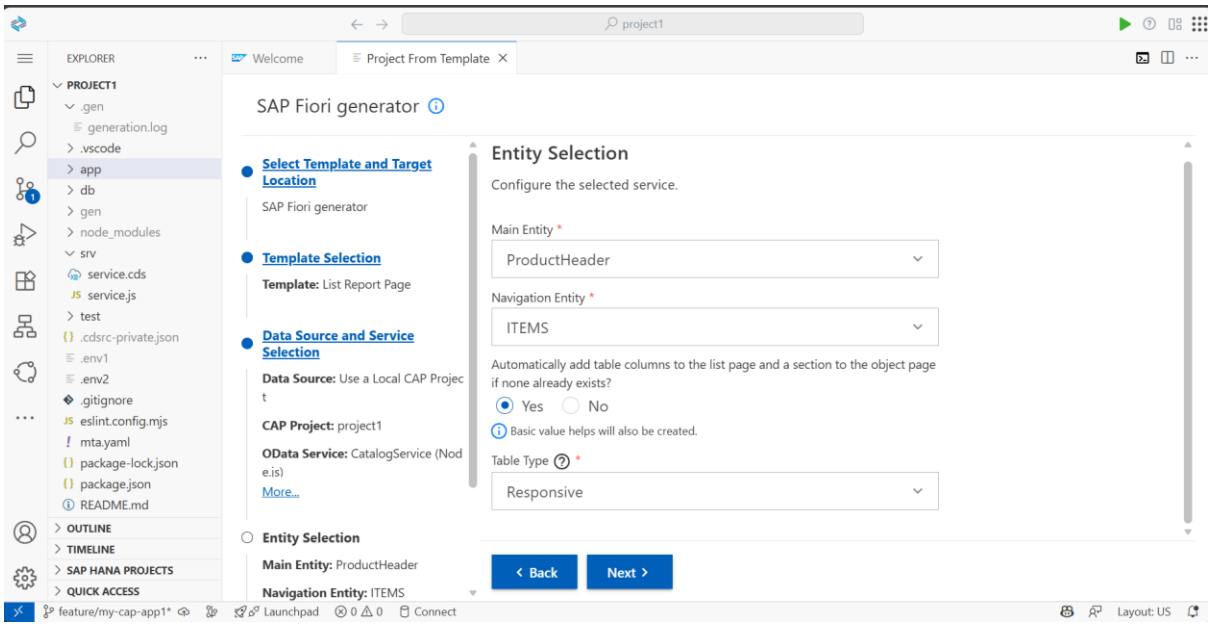
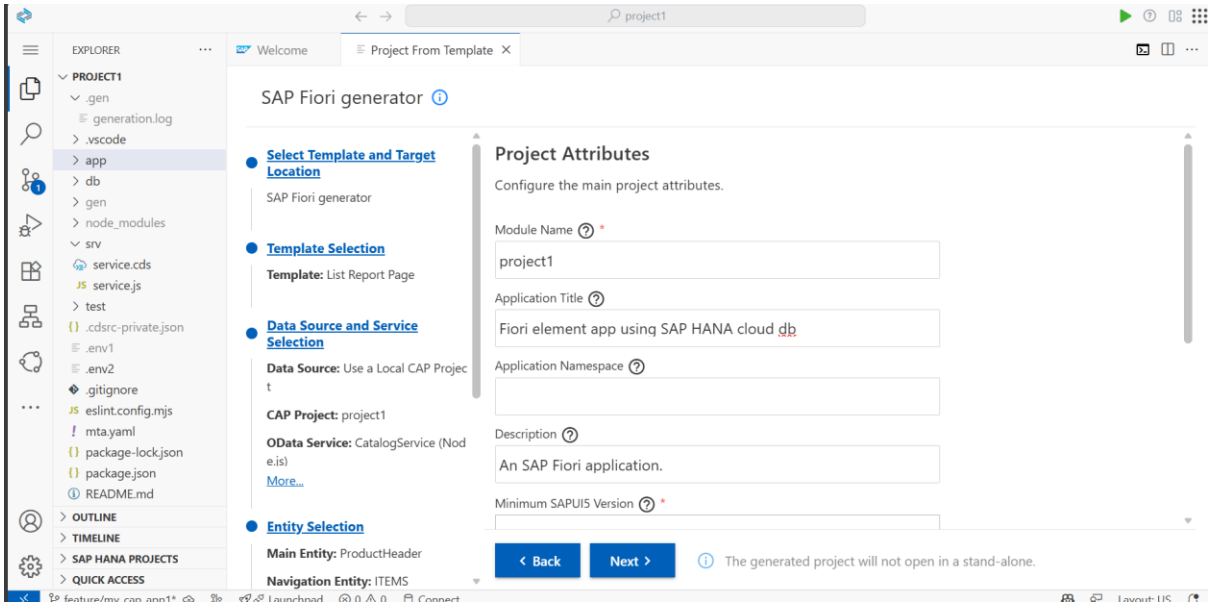
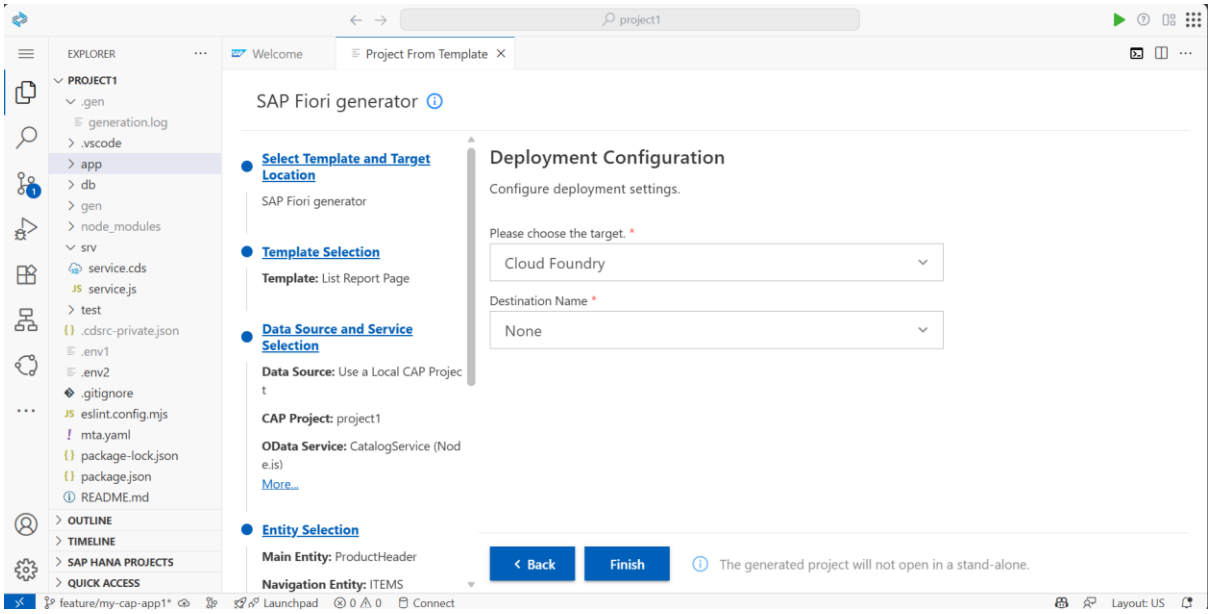
SAP Fiori element apps using SAP CAP data model and integrating HANA cloud database for storage.






project1
EXPLORER
Welcome
Project From Template
PROJECT1
.gen
generation.log
.vscode
app
db
gen
node_modules
srv
service.cds
service.js
test
.cdsrc-private.json
.env1
.env2
.gitignore
eslint.config.mjs
mta.yaml
package-lock.json
package.json
README.md
OUTLINE
TIMELINE
SAP HANA PROJECTS
QUICK ACCESS
SAP Fiori generator
Select Template and Target Location
SAP Fiori generator
Template Selection
Template: List Report Page
Data Source and Service Selection
Data Source: Use a Local CAP Project
CAP Project: project1
OData Service: CatalogService (Node.js)
More...
Entity Selection
Main Entity: ProductHeader
Navigation Entity: ITEMS
Project Attributes
Configure the main project attributes.
Module Name *
project1
Application Title
Fiori element app usinq SAP HANA cloud db
Application Namespace
Description
An SAP Fiori application.
Minimum SAPUI5 Version *
Back
Next
The generated project will not open in a stand-alone.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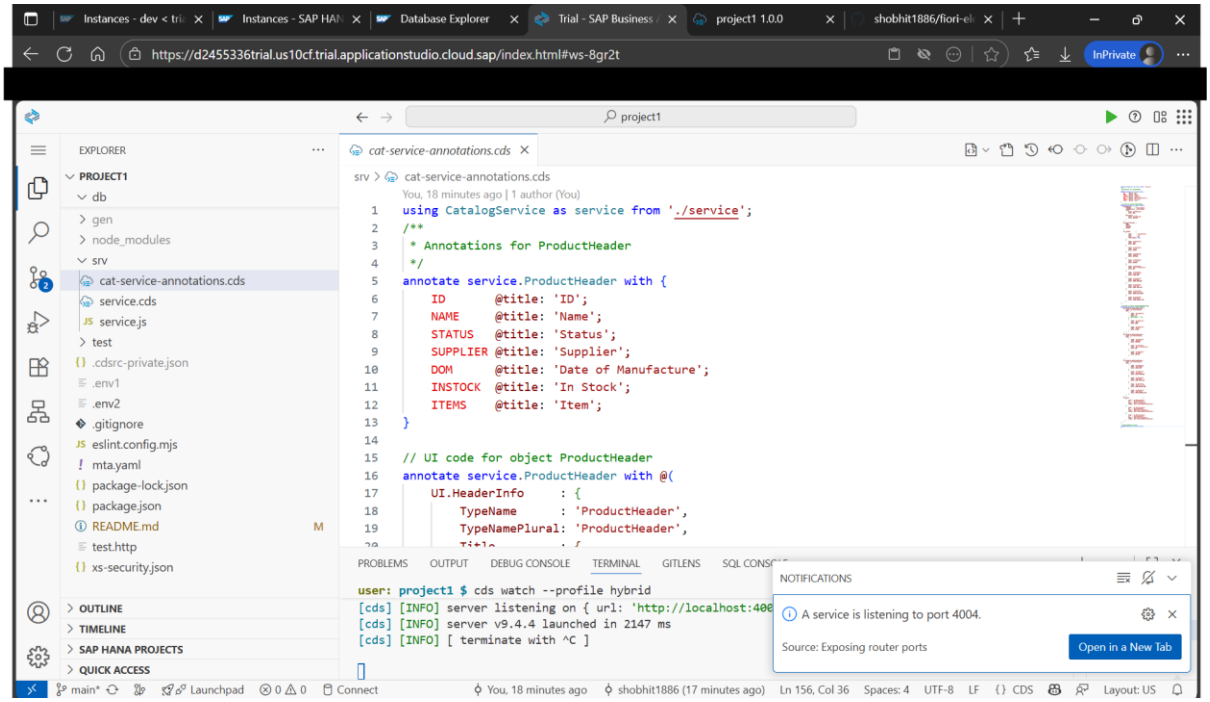
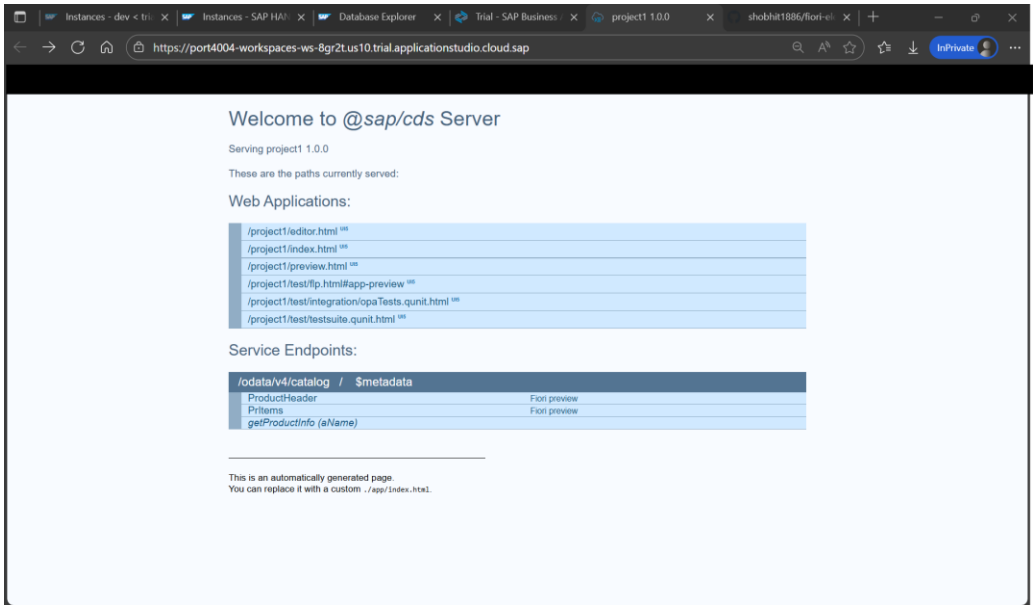
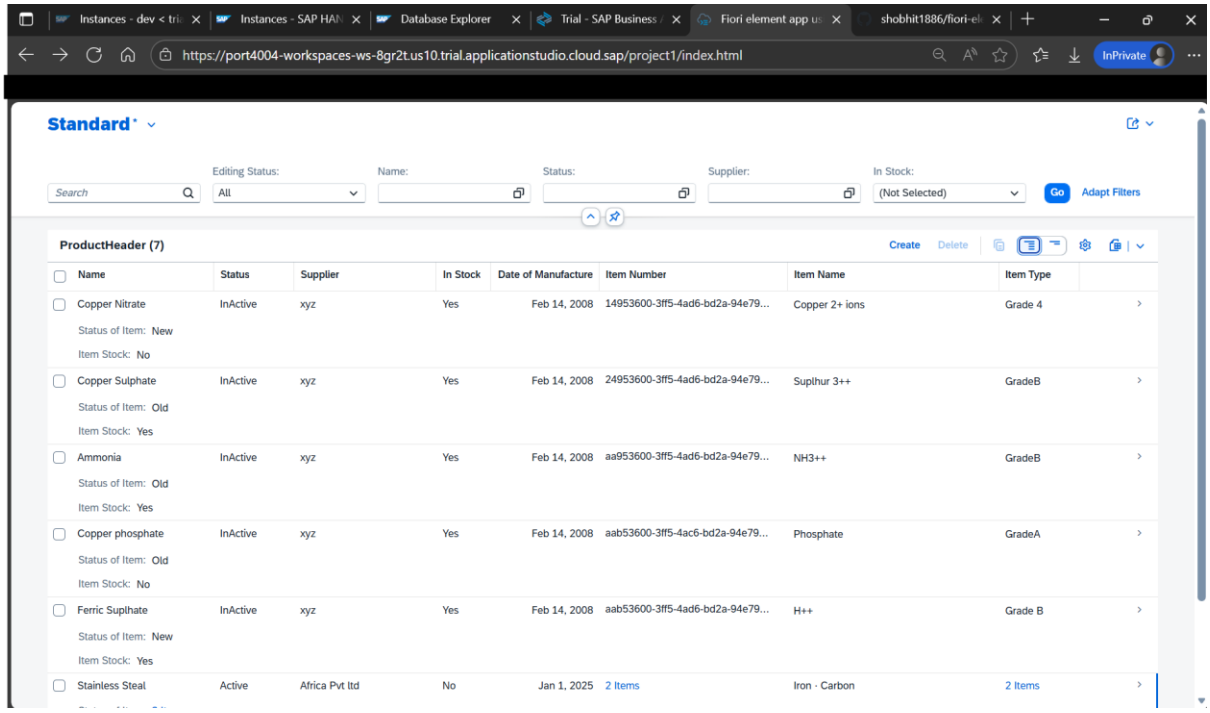
Select Template and Target Location
SAP Fiori generator
Template Selection
Template: List Report Page
Data Source and Service Selection
Data Source: Use a Local CAP Project
CAP Project: project1
OData Service: CatalogService (Node.js)
More...
Entity Selection
Main Entity: ProductHeader
Navigation Entity: ITEMS
Deployment Configuration
Configure deployment settings.
Please choose the target. *
Cloud Foundry
Destination Name *
None
Back
Finish
The generated project will not open in a stand-alone.
feature/my-cap-app1*
Launchpad
Connect
Layout: US

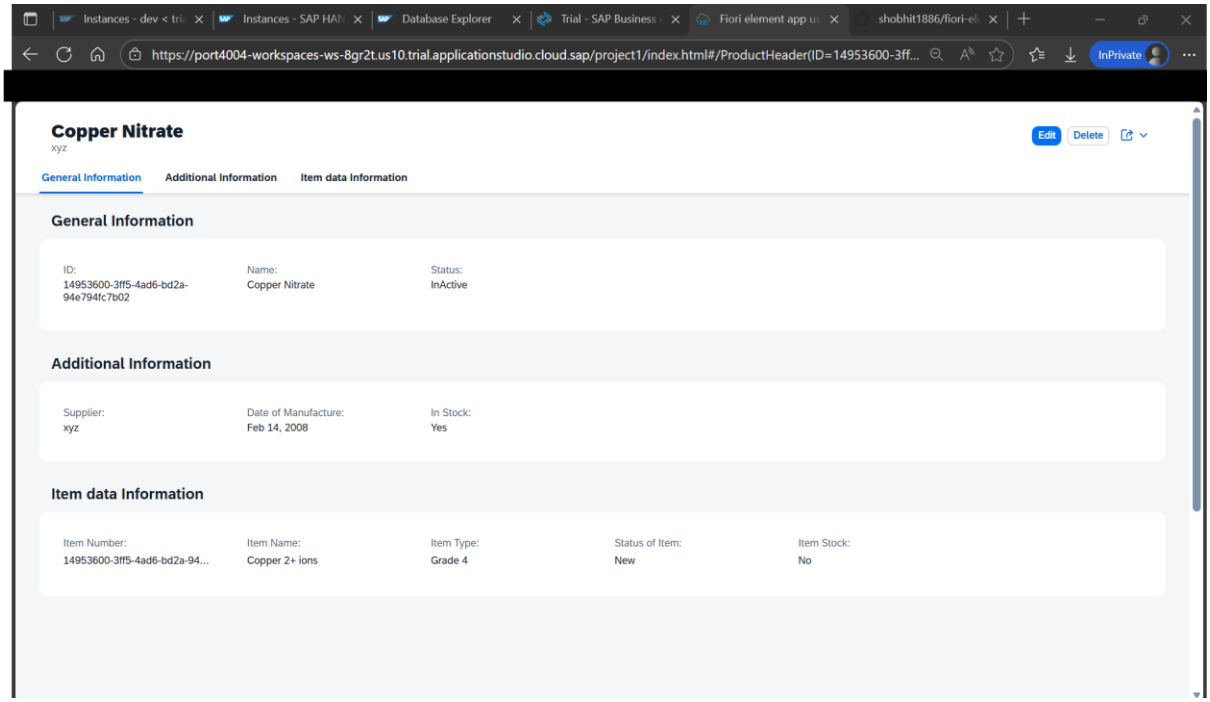


The fiori element app is generated. Now add annotations in cds file.

The output response of app after cds build, cds deploy.




Instances - dev < tri
Instances - SAP HAN
Database Explorer
Trial - SAP Business
Fiori element app us
shobhit1886/fiori-el
https://port4004-workspaces-ws-8gr2t.us10.trial.applicationstudio.cloud.sap/project1/index.html
InPrivate
Standard
Editing Status:
Name:
Status:
Supplier:
In Stock:
Search
All
(Not Selected)
Go
Adapt Filters
ProductHeader (7)
Create
Delete
Name
Status
Supplier
In Stock
Date of Manufacture
Item Number
Item Name
Item Type
Copper Nitrate
InActive
xyz
Yes
Feb 14, 2008
14953600-3ff5-4ad6-bd2a-94e79...
Copper 2+ ions
Grade 4
Status of Item: New
Item Stock: No
Copper Sulphate
InActive
xyz
Yes
Feb 14, 2008
24953600-3ff5-4ad6-bd2a-94e79...
Suplhur 3++
GradeB
Status of Item: Old
Item Stock: Yes
Ammonia
InActive
xyz
Yes
Feb 14, 2008
aa953600-3ff5-4ad6-bd2a-94e79...
NH3++
GradeB
Status of Item: Old
Item Stock: Yes
Copper phosphate
InActive
xyz
Yes
Feb 14, 2008
aab53600-3ff5-4ac6-bd2a-94e79...
Phosphate
GradeA
Status of Item: Old
Item Stock: No
Ferric Suplhate
InActive
xyz
Yes
Feb 14, 2008
aab53600-3ff5-4ad6-bd2a-94e79...
H++
Grade B
Status of Item: New
Item Stock: Yes
Stainless Steal
Active
Africa Pvt ltd
No
Jan 1, 2025
2 Items
Iron · Carbon
2 Items


Instances - dev < tri
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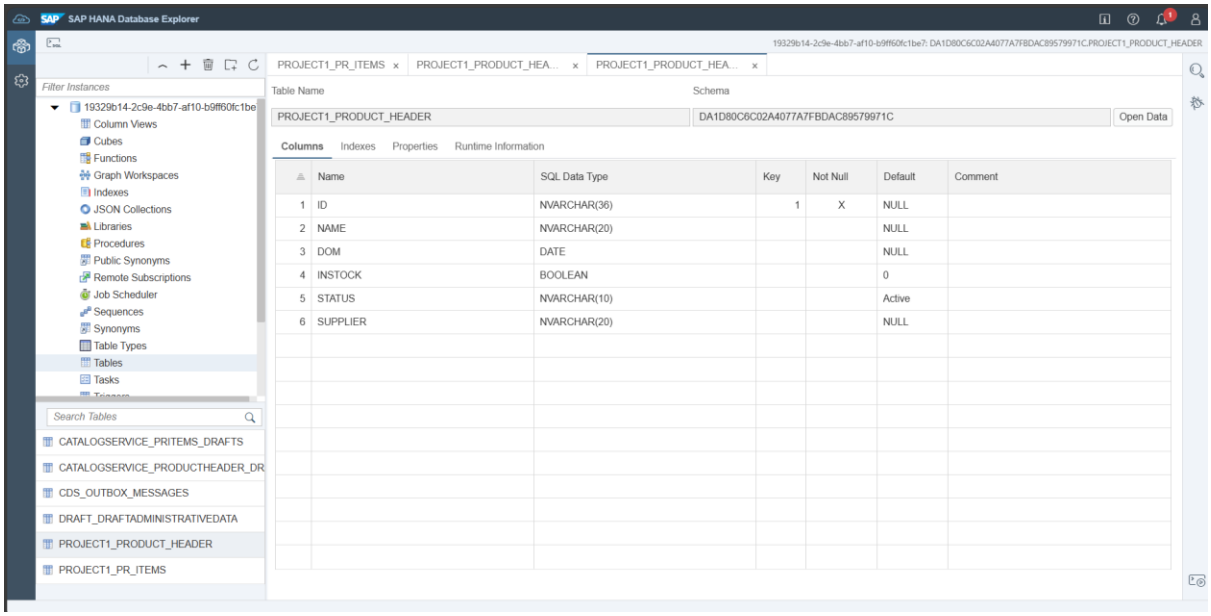
Trial - SAP Business
Fiori element app us
shobhit1886/fiori-el
https://port4004-workspaces-ws-8gr2t.us10.trial.applicationstudio.cloud.sap/project1/index.html#/ProductHeader(ID=14953600-3ff...
InPrivate
Copper Nitrate
xyz
Edit
Delete
General Information
Additional Information
Item data Information
General Information
ID:
14953600-3ff5-4ad6-bd2a-94e794fc7b02
Name:
Copper Nitrate
Status:
InActive
Additional Information
Supplier:
xyz
Date of Manufacture:
Feb 14, 2008
In Stock:
Yes
Item data Information
Item Number:
14953600-3ff5-4ad6-bd2a-94...
Item Name:
Copper 2+ ions
Item Type:
Grade 4
Status of Item:
New
Item Stock:
No

The hana cloud DB:



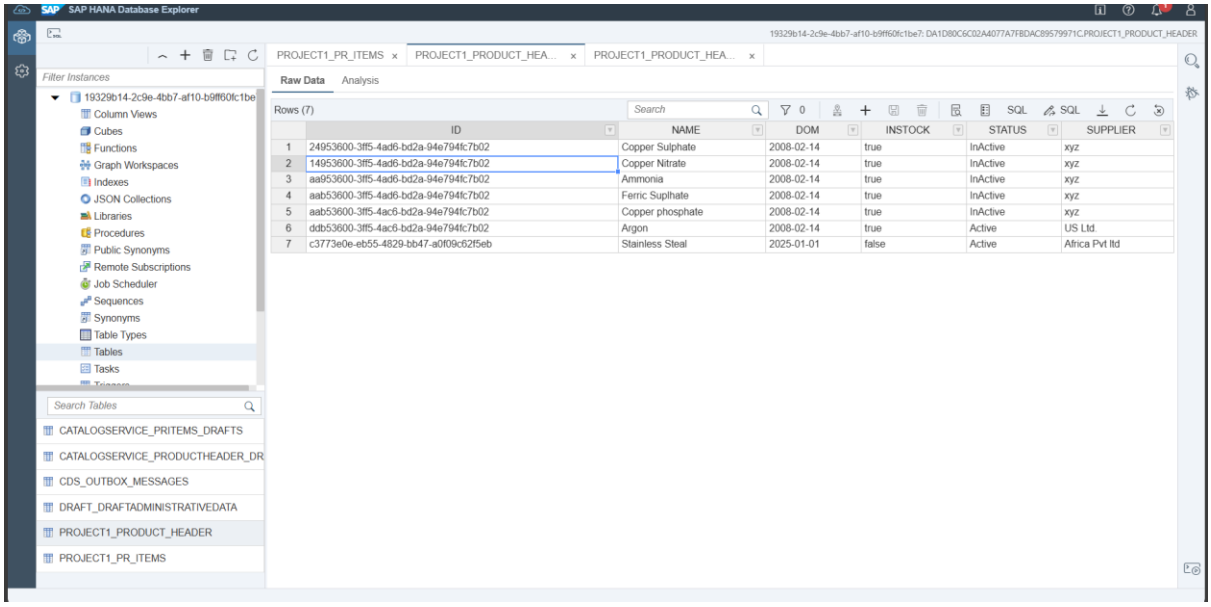
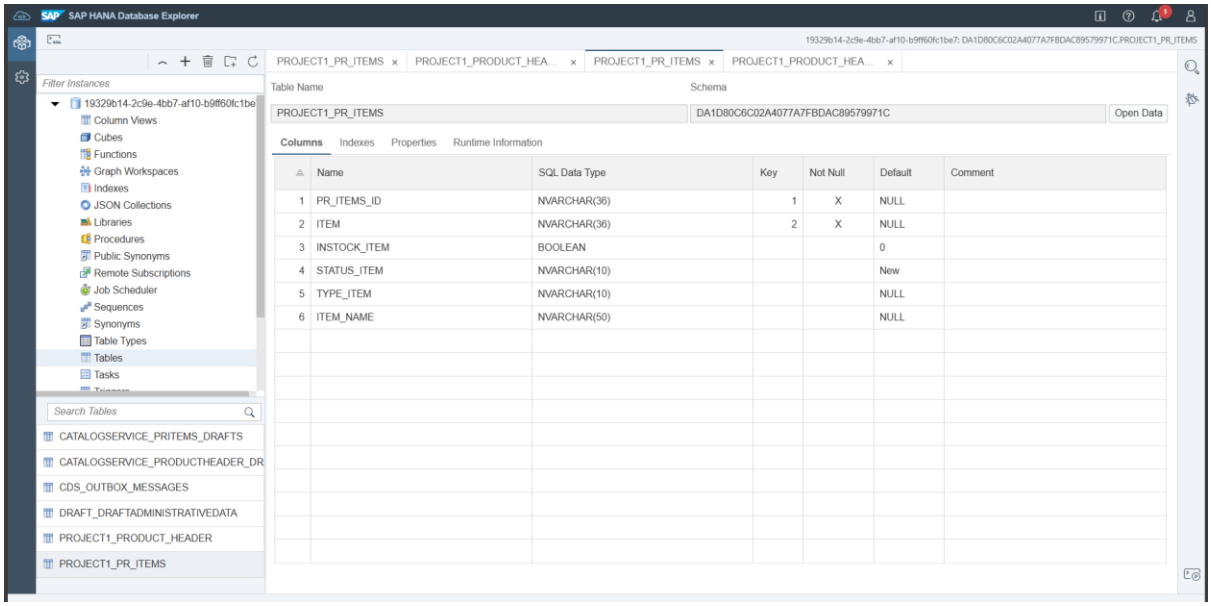
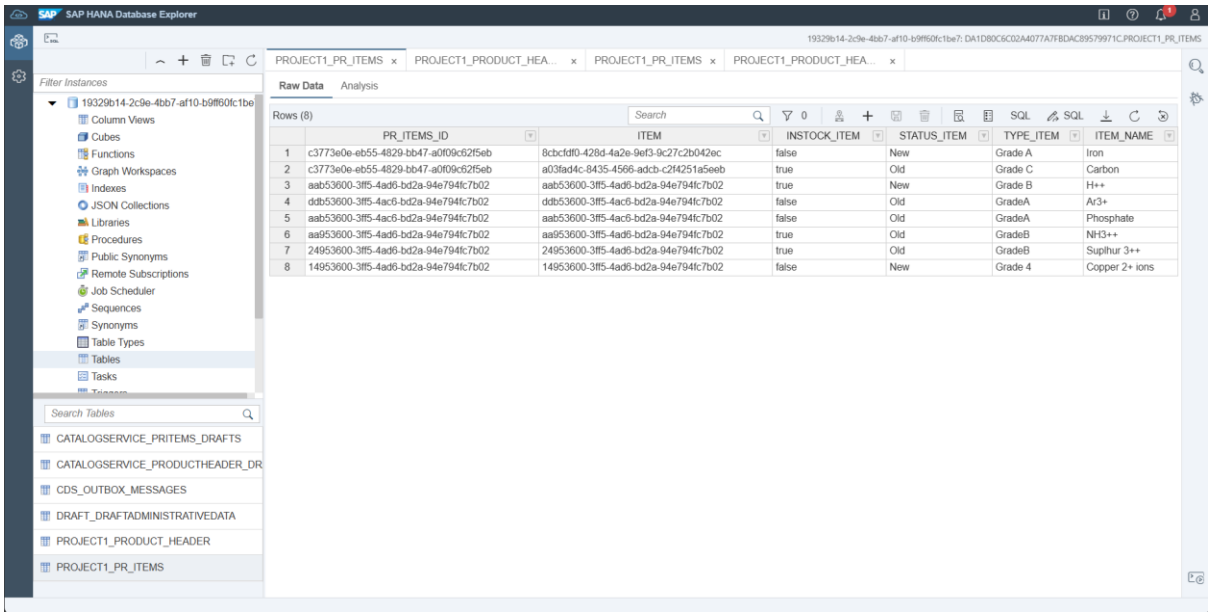
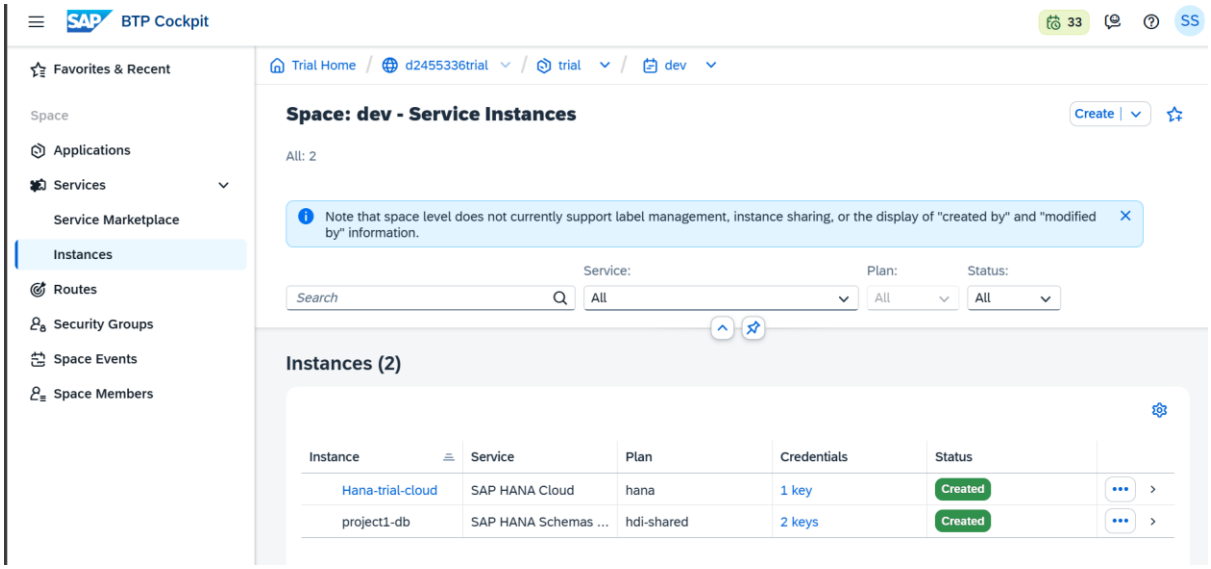
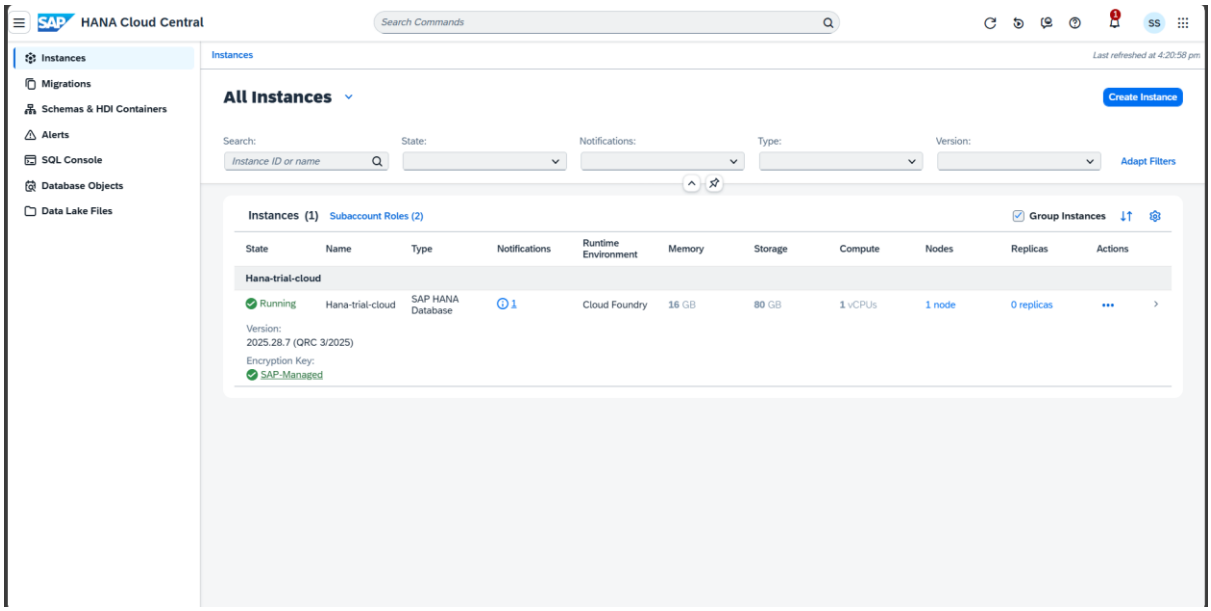


Table2:


SAP HANA Database Explorer
PROJECT1_PR_ITEMS
PROJECT1_PRODUCT_HEA...
Table Name
Schema
PROJECT1_PR_ITEMS
DA1D80C6C02A4077A7FBDAC89579971C
Open Data
Columns
Indexes
Properties
Runtime Information
Name
SQL Data Type
Key
Not Null
Default
Comment
1 PR_ITEMS_ID NVARCHAR(36) 1 X NULL
2 ITEM NVARCHAR(36) 2 X NULL
3 INSTOCK_ITEM BOOLEAN 0
4 STATUS_ITEM NVARCHAR(10) New
5 TYPE_ITEM NVARCHAR(10) NULL
6 ITEM_NAME NVARCHAR(50) NULL
Filter Instances
Search Tables
CATALOGSERVICE_PRITEMS_DRAFTS
CATALOGSERVICE_PRODUCTHEADER_DR
CDS_OUTBOX_MESSAGES
DRAFT_DRAFTADMINISTRATIVEDATA
PROJECT1_PRODUCT_HEADER
PROJECT1_PR_ITEMS


SAP HANA Database Explorer
PROJECT1_PR_ITEMS
PROJECT1_PRODUCT_HEA...
Raw Data
Analysis
Rows (8)
Search
PR_ITEMS_ID ITEM INSTOCK_ITEM STATUS_ITEM TYPE_ITEM ITEM_NAME
1 c3773e0e-eb55-4829-bb47-a0f09c62f5eb 8cbcfdf0-428d-4a2e-9ef3-9c27c2b042ec false New Grade A Iron
2 c3773e0e-eb55-4829-bb47-a0f09c62f5eb a03fad4c-8435-4566-adcb-c2f4251a5eeb true Old Grade C Carbon
3 aab53600-3ff5-4ad6-bd2a-94e794fc7b02 aab53600-3ff5-4ad6-bd2a-94e794fc7b02 true New Grade B H++
4 ddb53600-3ff5-4ac6-bd2a-94e794fc7b02 ddb53600-3ff5-4ac6-bd2a-94e794fc7b02 false Old GradeA Ar3+
5 aab53600-3ff5-4ac6-bd2a-94e794fc7b02 aab53600-3ff5-4ac6-bd2a-94e794fc7b02 false Old GradeA Phosphate
6 aa953600-3ff5-4ad6-bd2a-94e794fc7b02 aa953600-3ff5-4ad6-bd2a-94e794fc7b02 true Old GradeB NH3++
7 24953600-3ff5-4ad6-bd2a-94e794fc7b02 24953600-3ff5-4ad6-bd2a-94e794fc7b02 true Old GradeB Suplhur 3++
8 14953600-3ff5-4ad6-bd2a-94e794fc7b02 14953600-3ff5-4ad6-bd2a-94e794fc7b02 false New Grade 4 Copper 2+ ions
Filter Instances
Search Tables
CATALOGSERVICE_PRITEMS_DRAFTS
CATALOGSERVICE_PRODUCTHEADER_DR
CDS_OUTBOX_MESSAGES
DRAFT_DRAFTADMINISTRATIVEDATA
PROJECT1_PRODUCT_HEADER
PROJECT1_PR_ITEMS

SAP BTP :



SAP HANA cloud central: