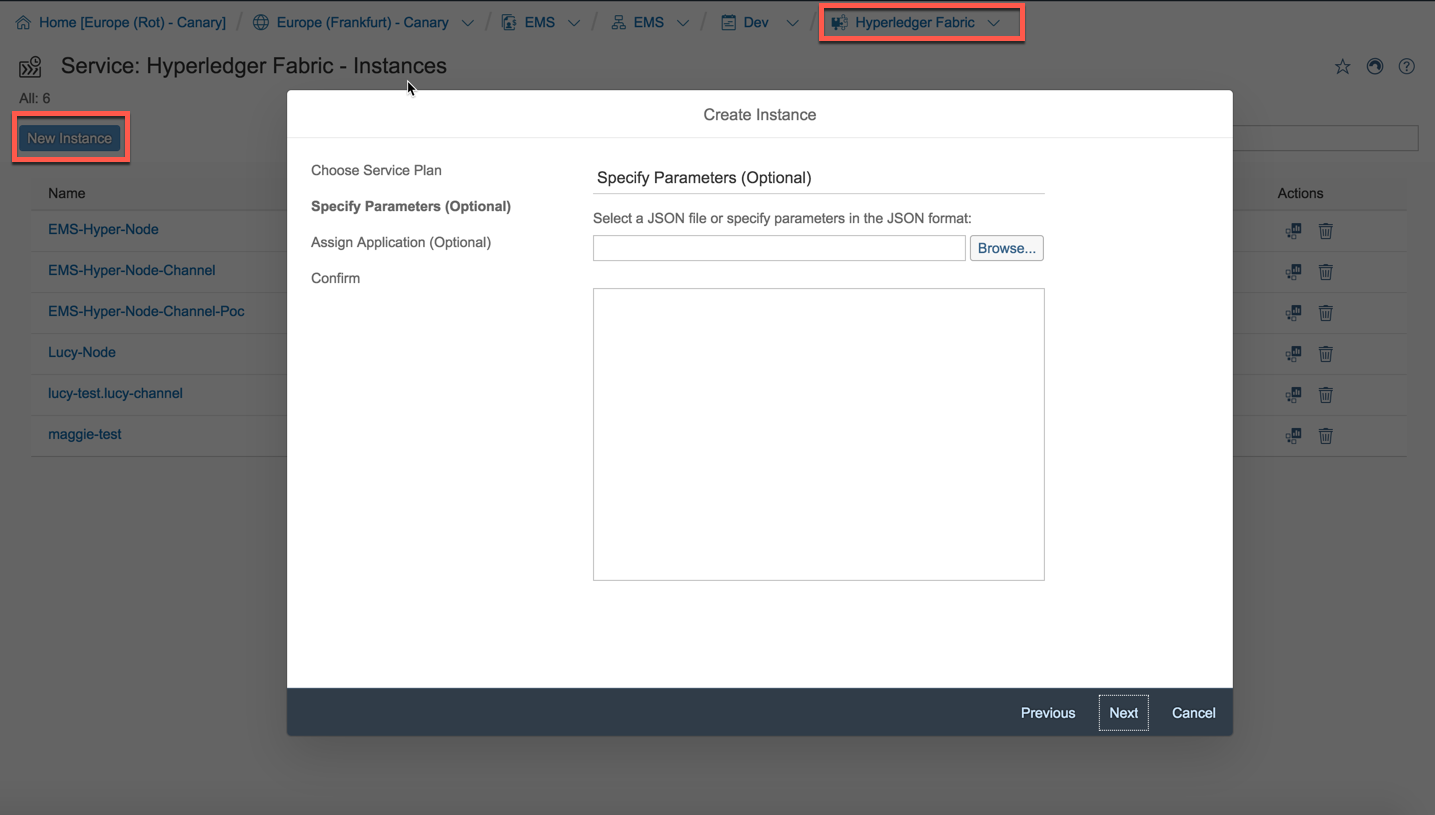
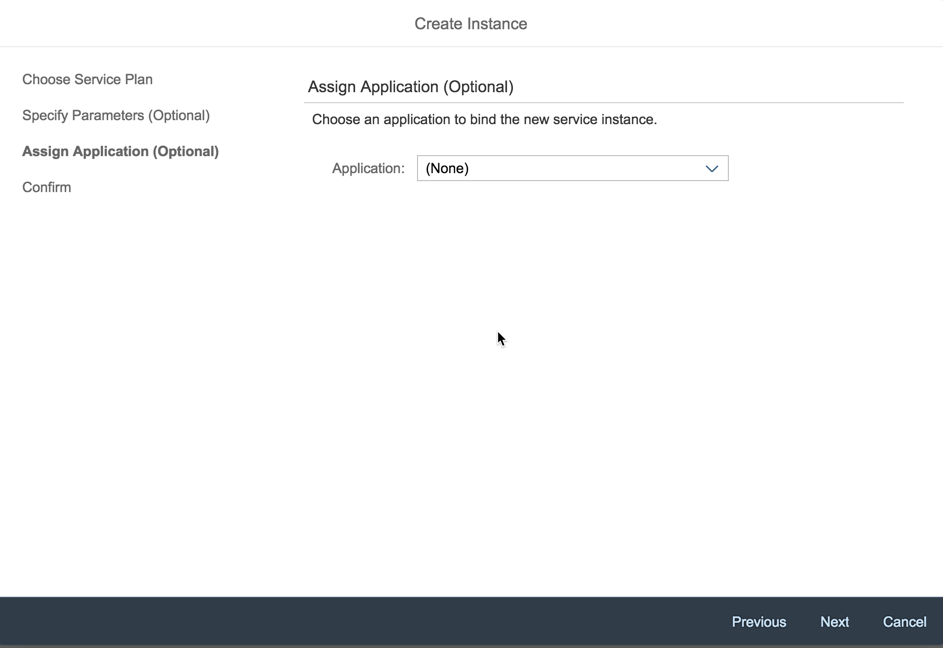
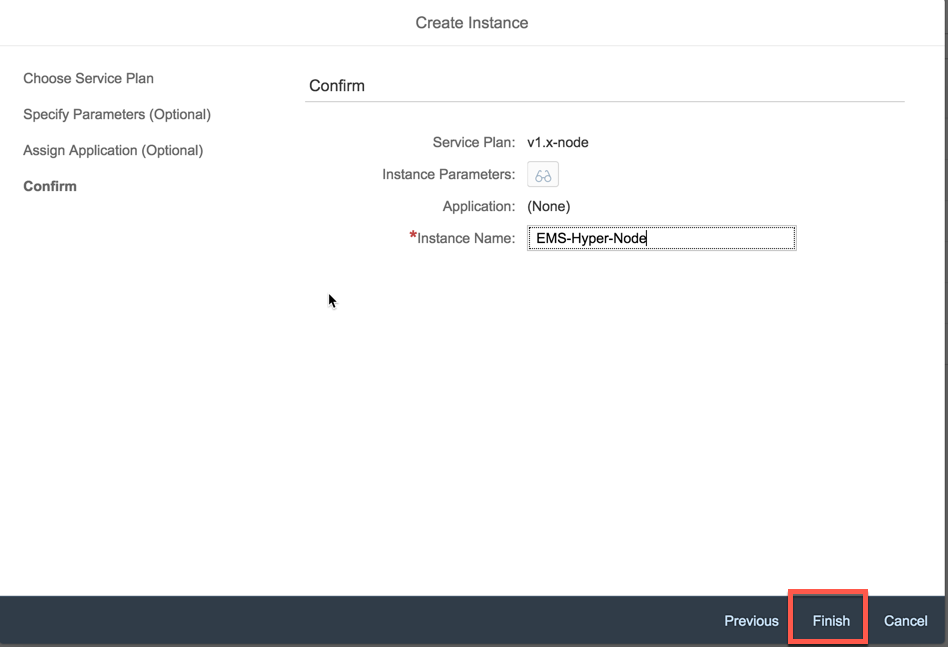
How to use hyperledger fabric

# Step by Step

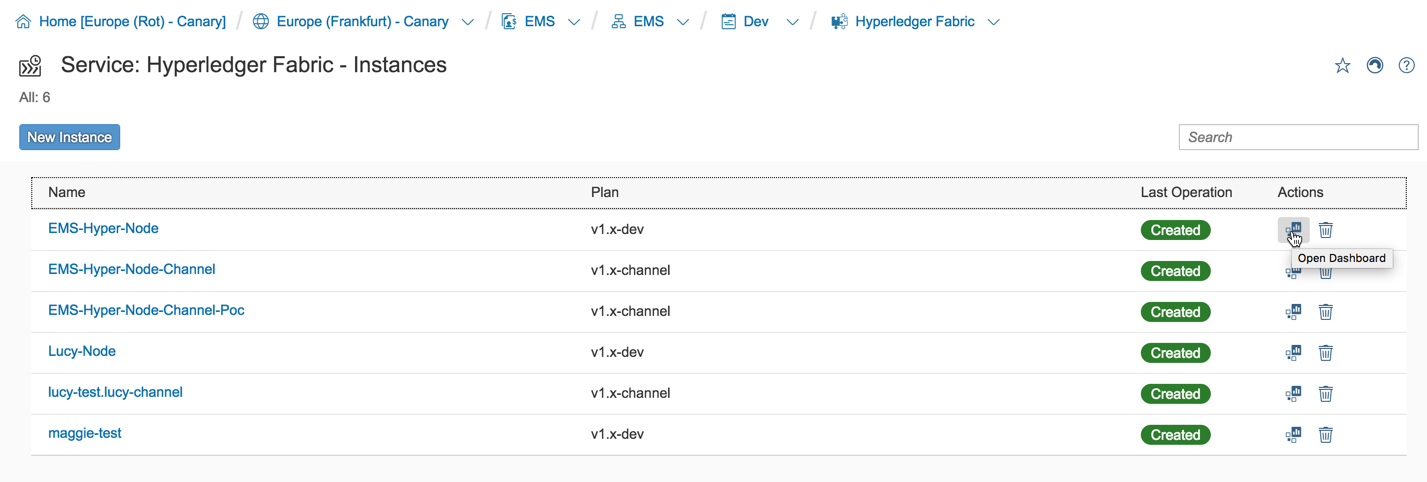
Create Developer Node

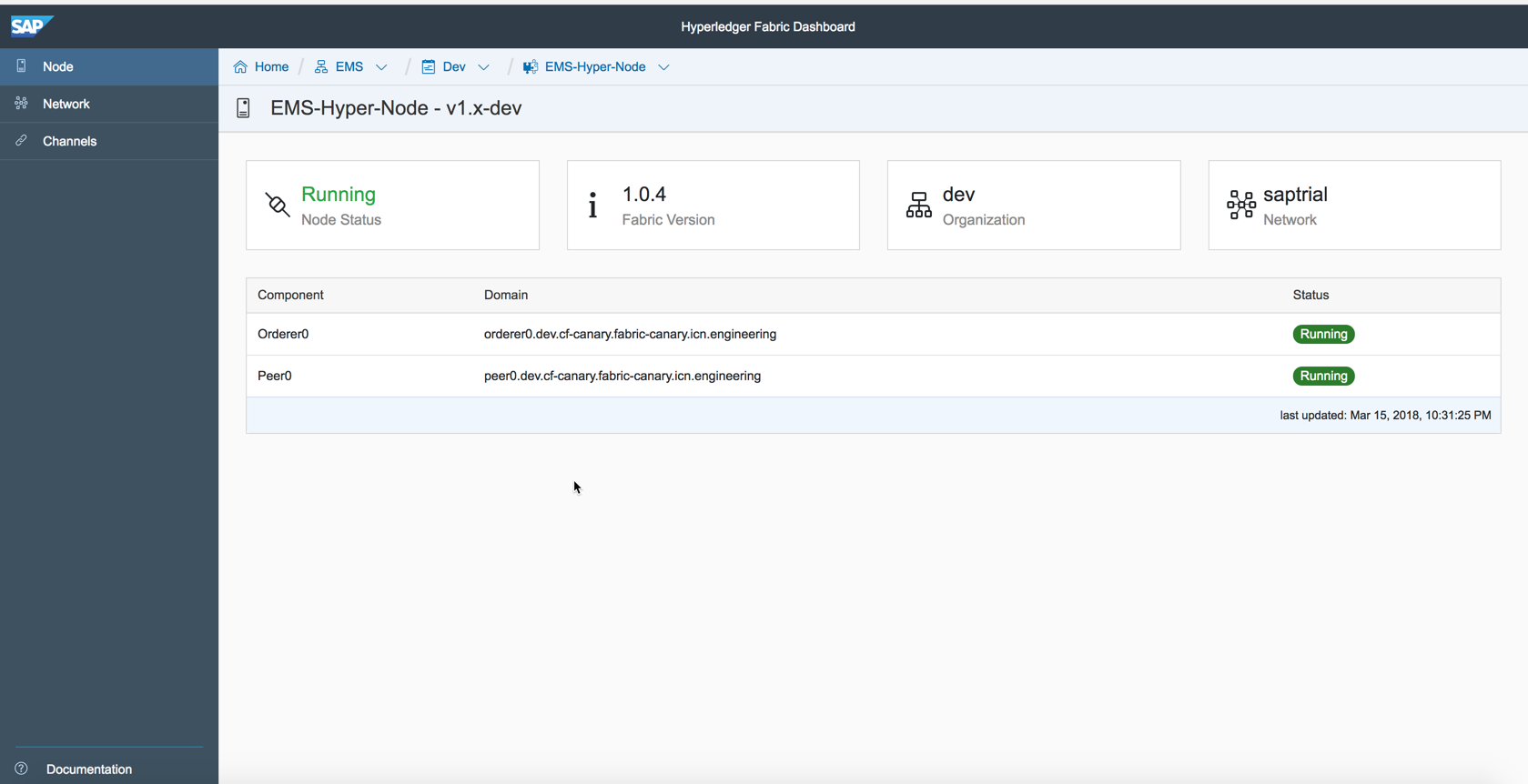




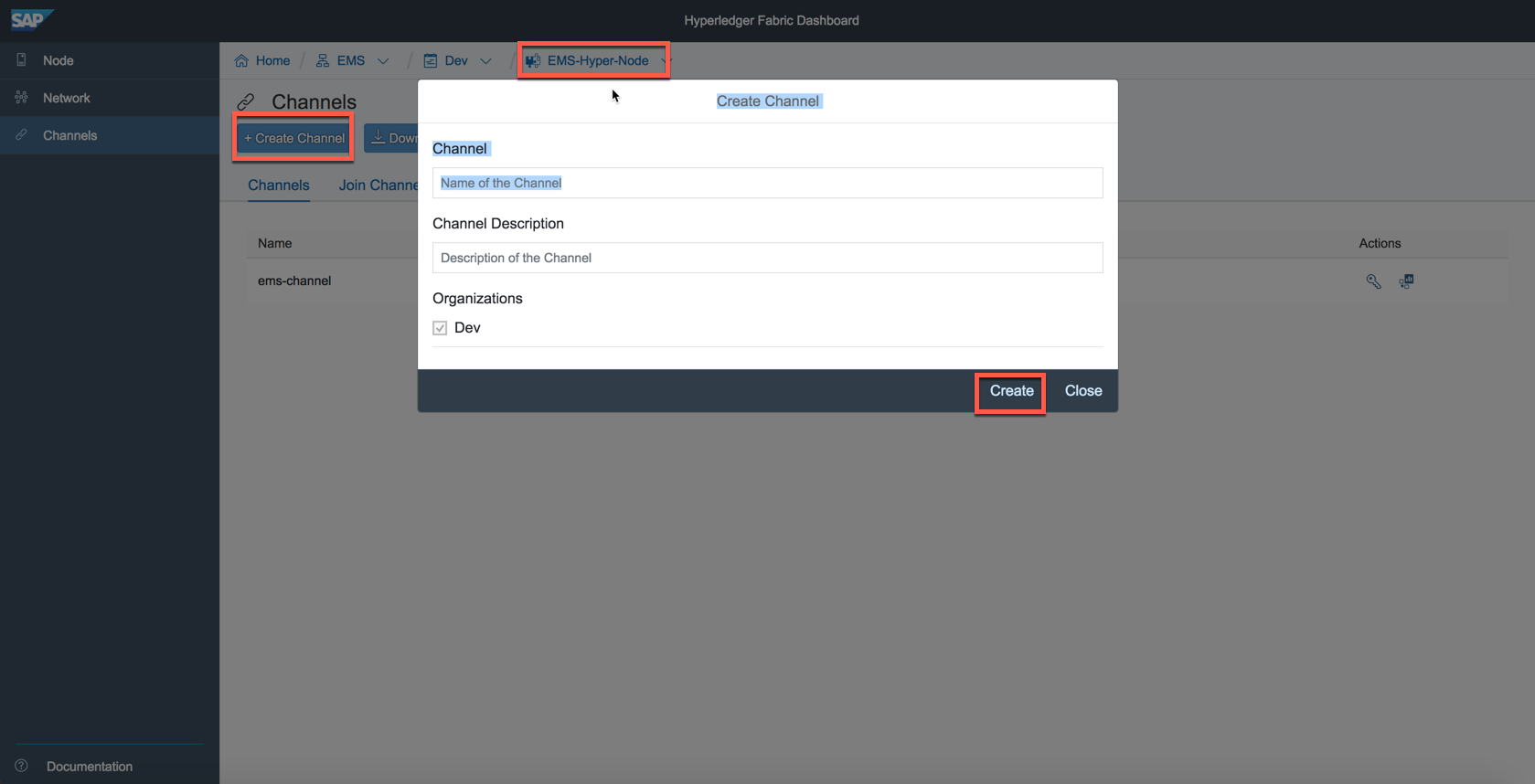


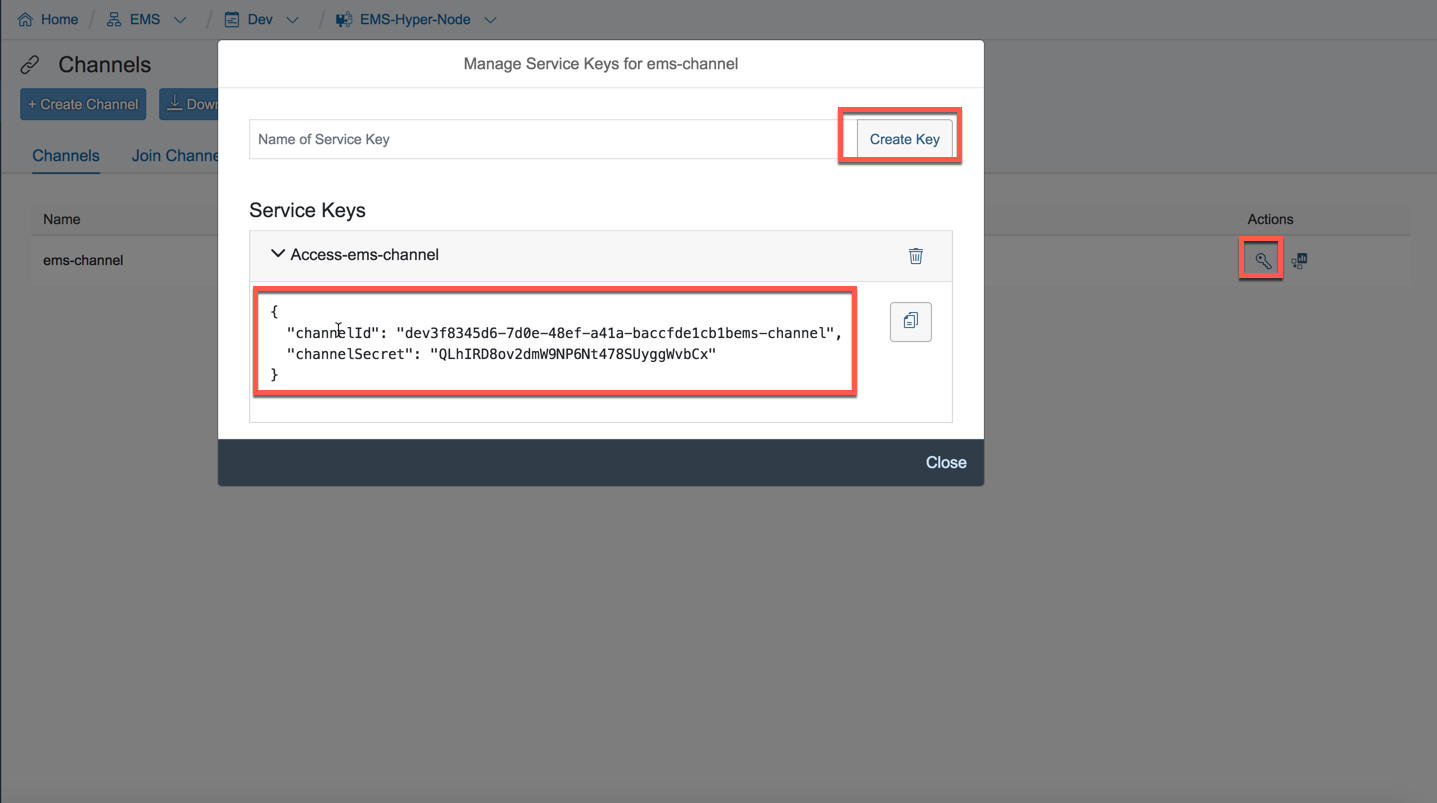
Open EMS-Hyper-Node via dashboard





Create Channel in the EMS-Hyper-Node



Create service keys 

Copy service keys

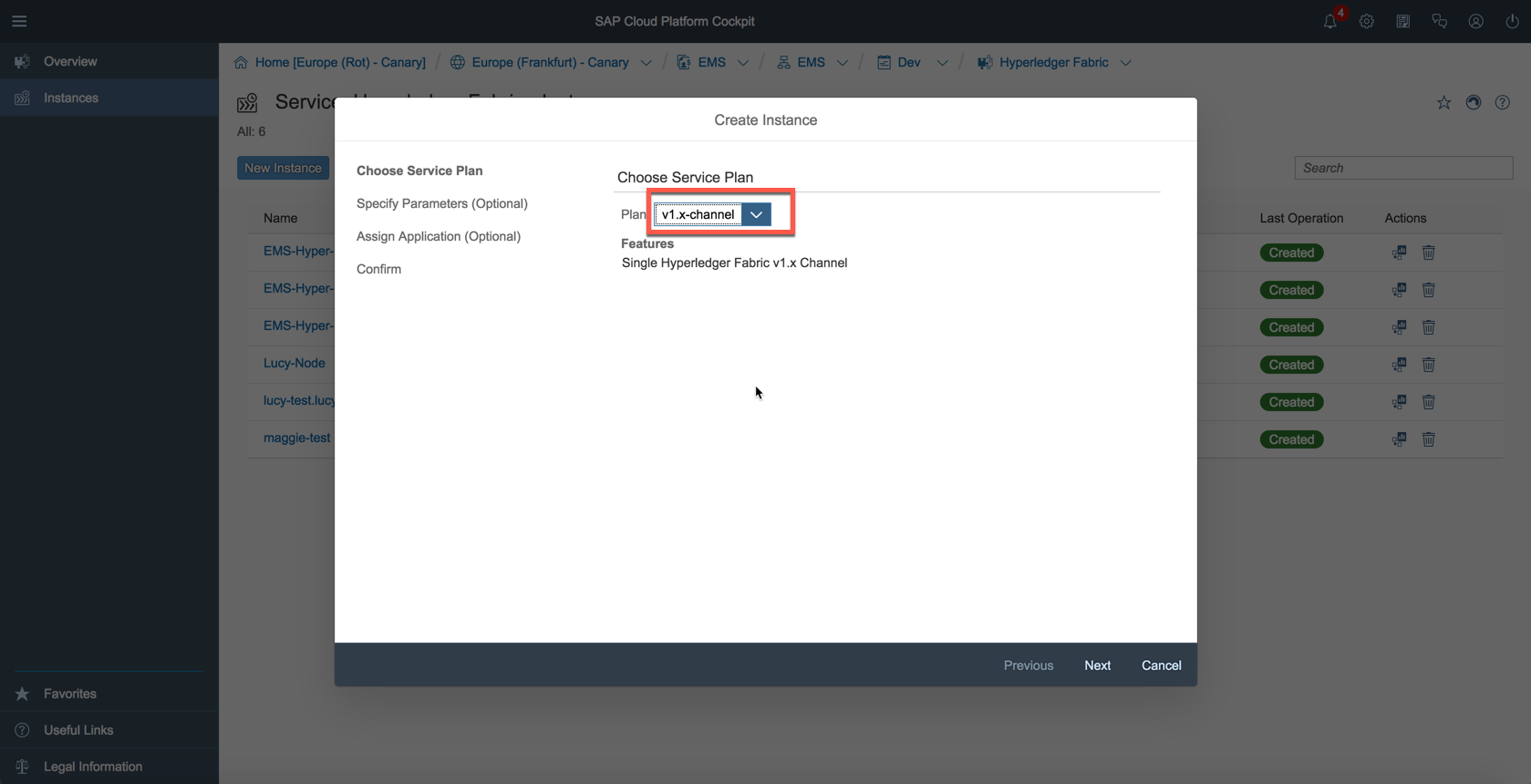
{

"channelId": "dev3f8345d6-7d0e-48ef-a41a-baccfde1cb1bems-channel",

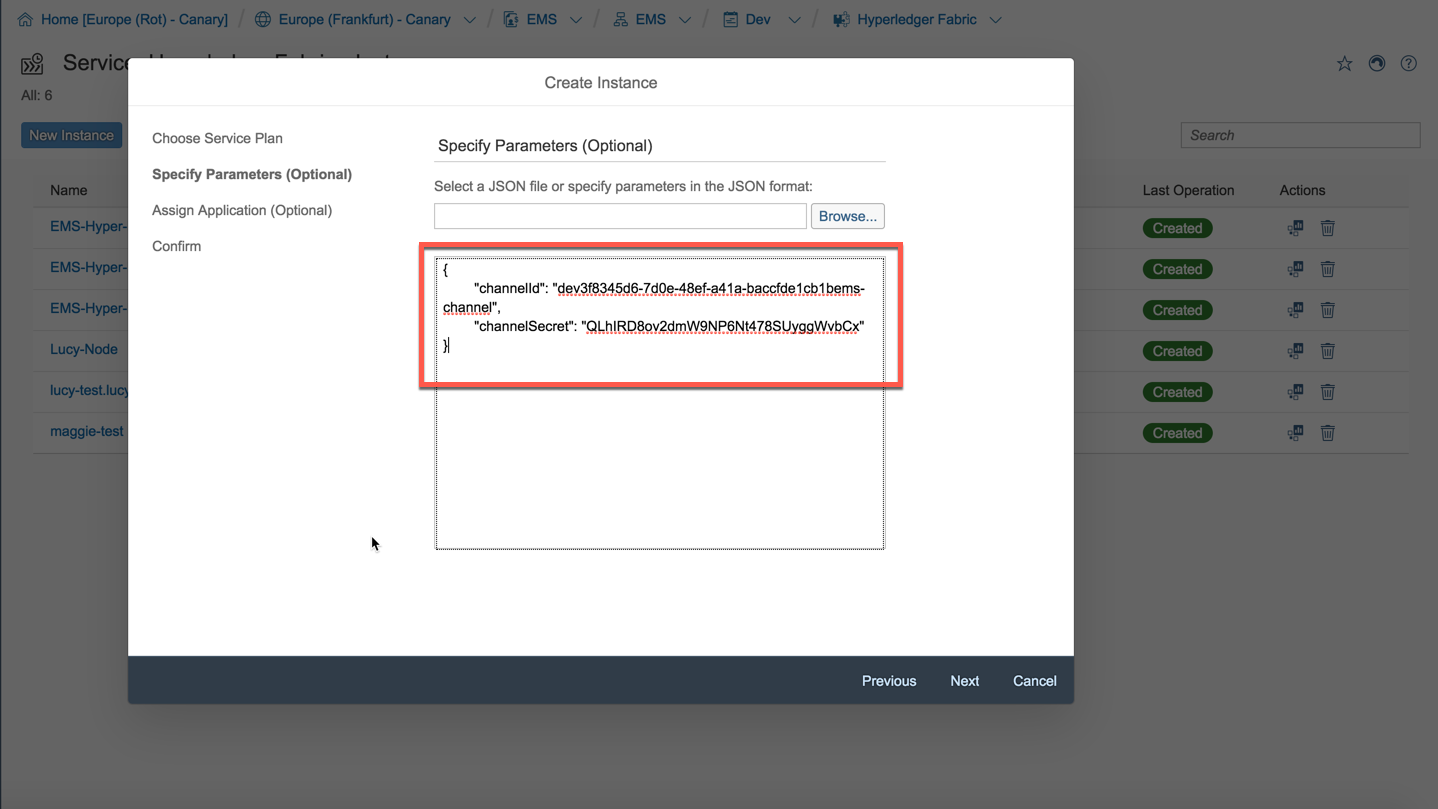
"channelSecret": "QLhIRD8ov2dmW9NP6Nt478SUyggWvbCx"

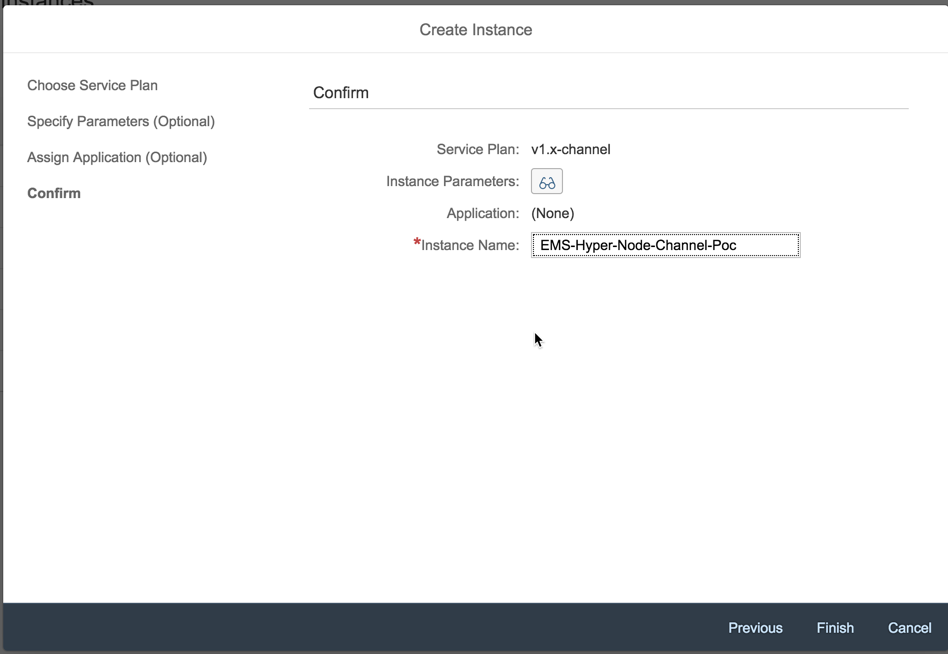
}

Create and Expose a Channel

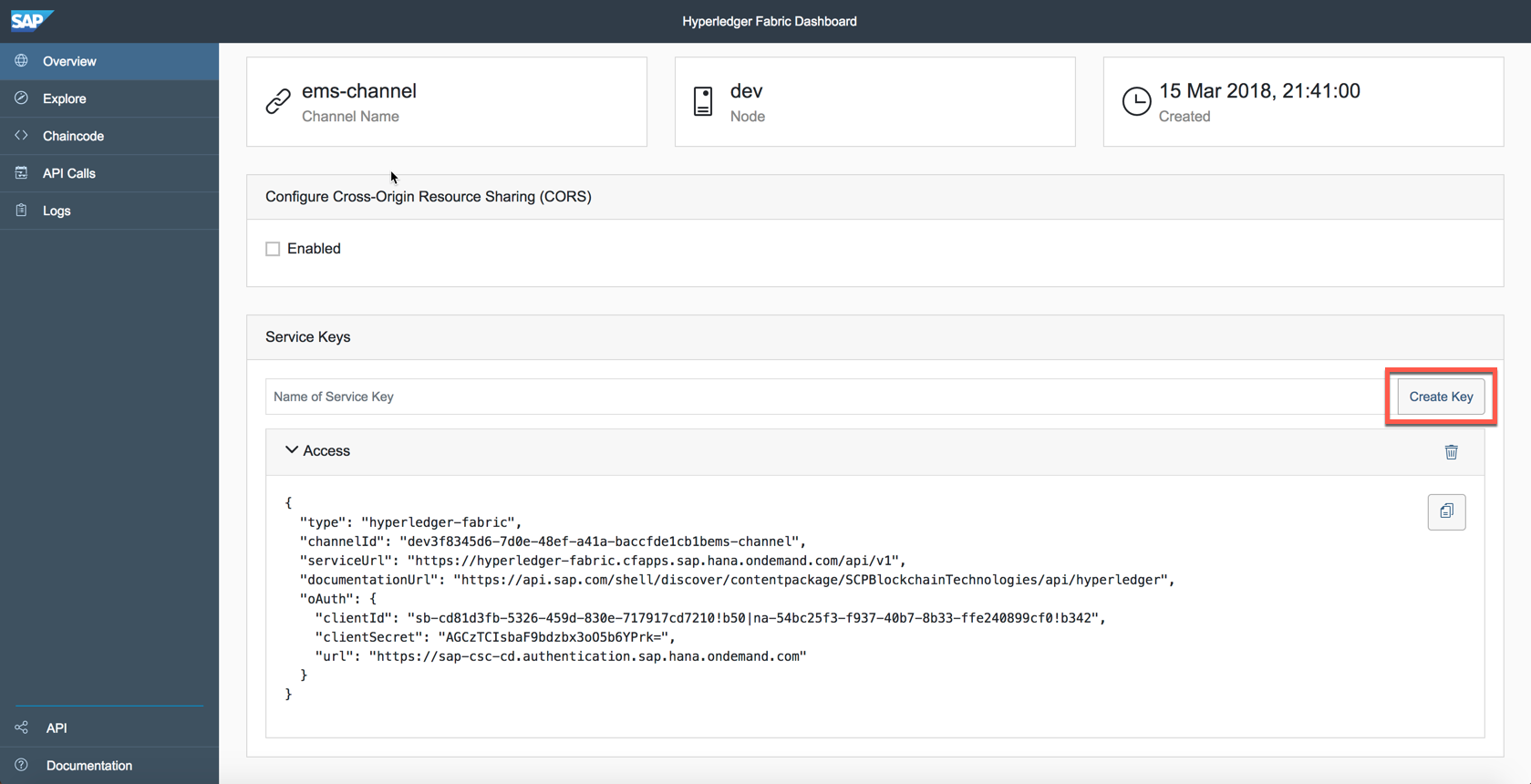


Copy previous service keys to the dialog

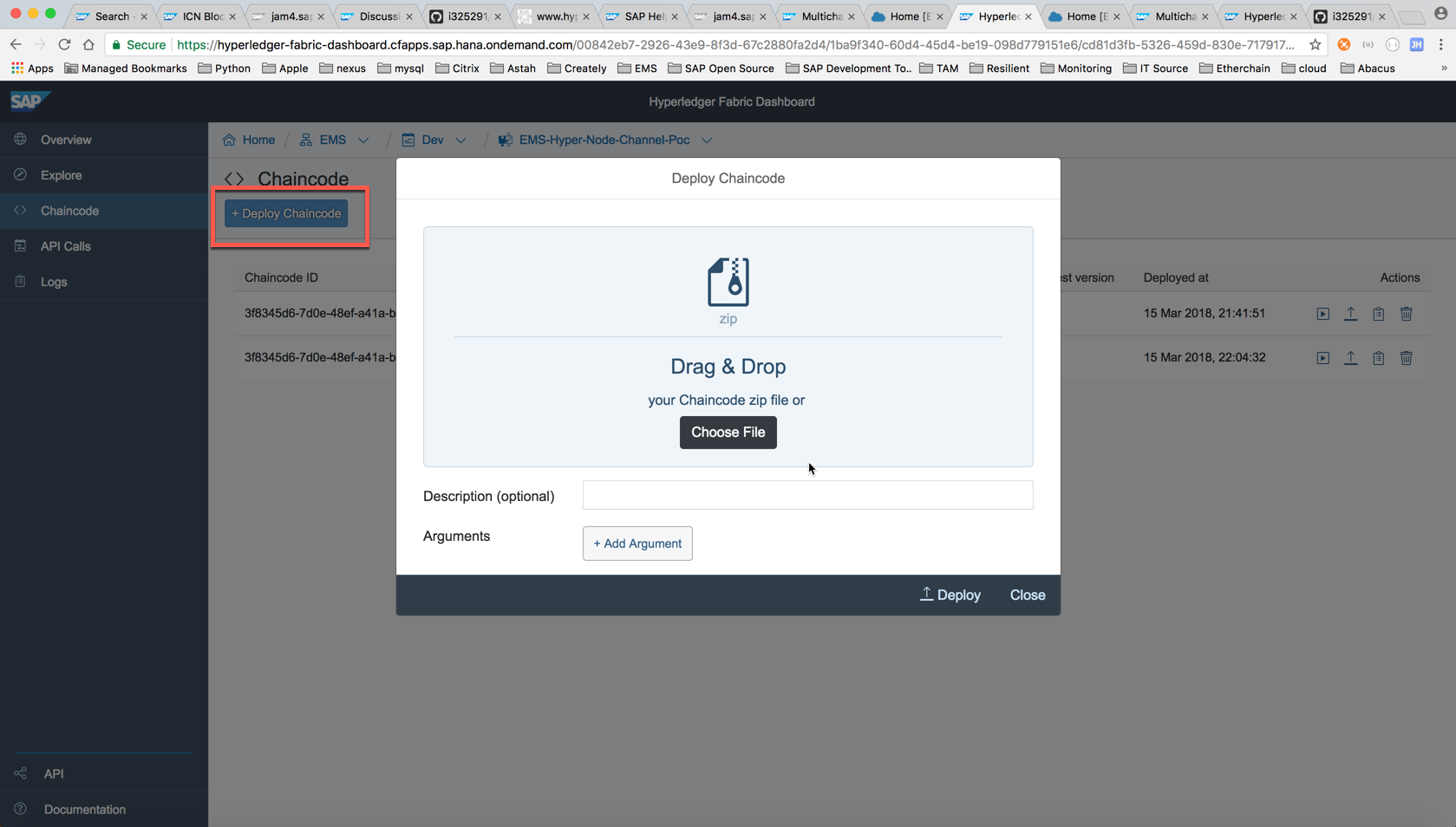




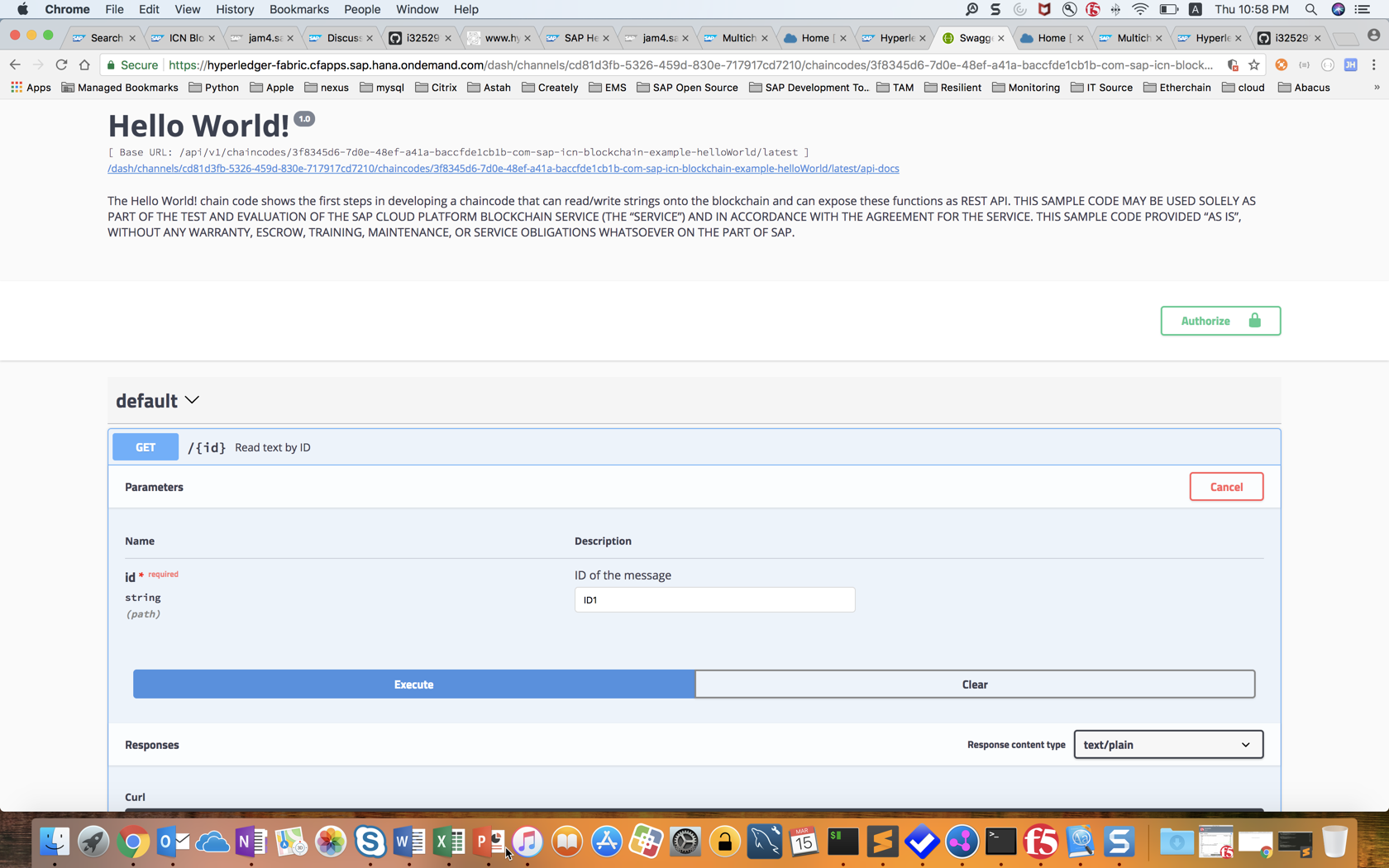
Open EMS-Hyper-Node-Channel-Poc



Develop and Develop Chaincode



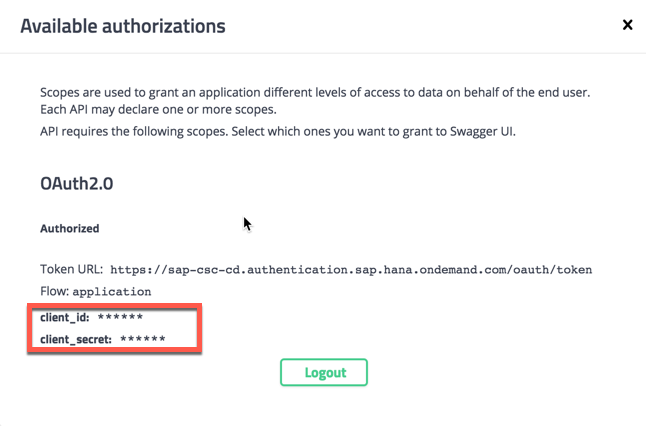
Test



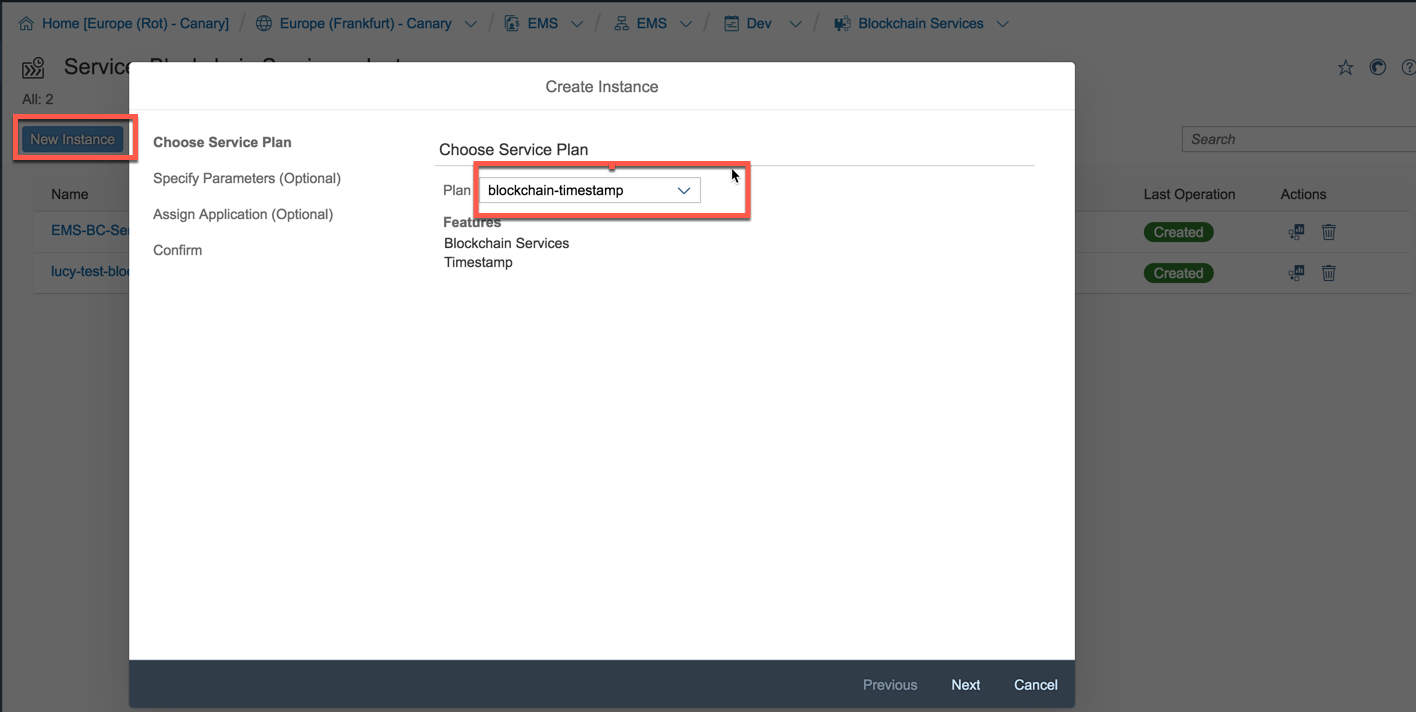
Copy service keys clientId and clientSecret

"clientId": "sb-cd81d3fb-5326-459d-830e-717917cd7210!b50|na-54bc25f3-f937-40b7-8b33-ffe240899cf0!b342",

"clientSecret": "AGCzTCIsbaF9bdzbx3oO5b6YPrk=",



Create blockchain Services



Copy [EMS-Hyper-Node-Channel-Poc](https://account.int.sap.hana.ondemand.com/cockpit#/region/cf-eu10-canary/globalaccount/c6b51d6e-b568-8a05-2c50-b0e77f5f4bc4/subaccount/sap-csc-cd/org/00842eb7-2926-43e9-8f3d-67c2880fa2d4/space/1ba9f340-60d4-45d4-be19-098d779151e6/service/46f22deb-5a2f-46d3-b116-67308b7bb801/instance/cd81d3fb-5326-459d-83) service keys

{

"type": "hyperledger-fabric",

"channelId": "dev3f8345d6-7d0e-48ef-a41a-baccfde1cb1bems-channel",

"serviceUrl": "https://hyperledger-fabric.cfapps.sap.hana.ondemand.com/api/v1",

"documentationUrl": "https://api.sap.com/shell/discover/contentpackage/SCPBlockchainTechnologies/api/hyperledger",

"oAuth": {

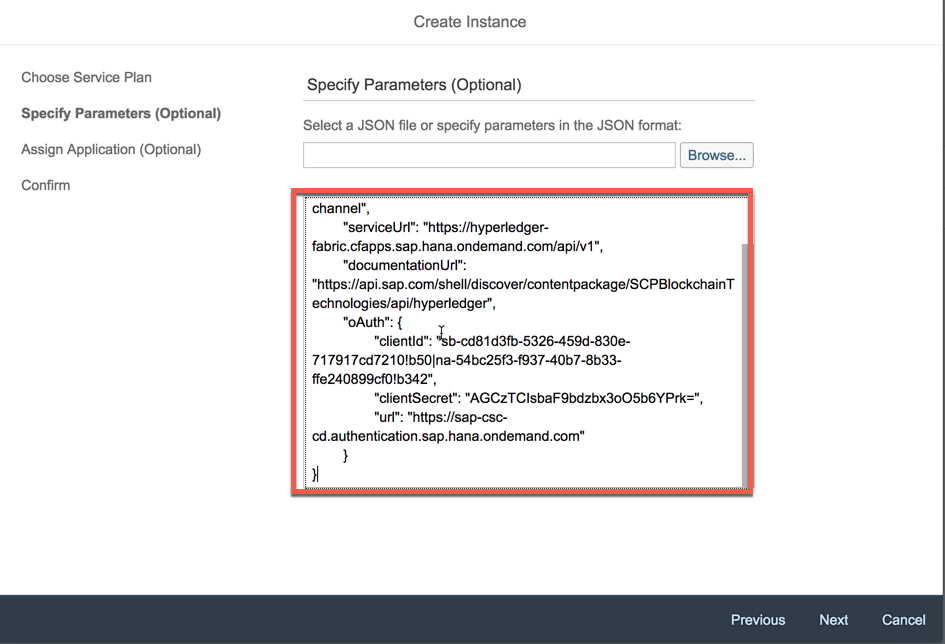
"clientId": "sb-cd81d3fb-5326-459d-830e-717917cd7210!b50|na-54bc25f3-f937-40b7-8b33-ffe240899cf0!b342",

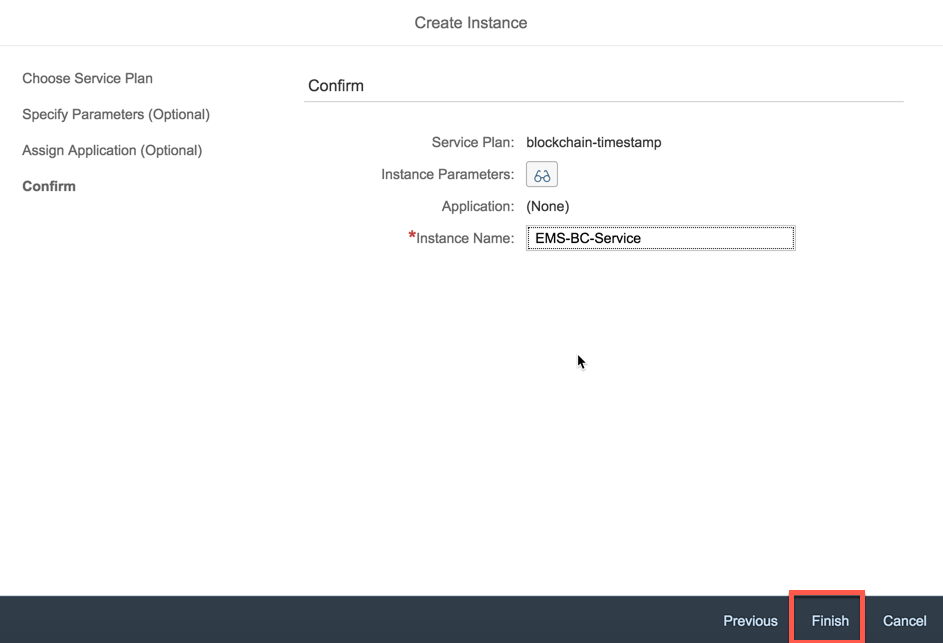
"clientSecret": "AGCzTCIsbaF9bdzbx3oO5b6YPrk=",

"url": "https://sap-csc-cd.authentication.sap.hana.ondemand.com"

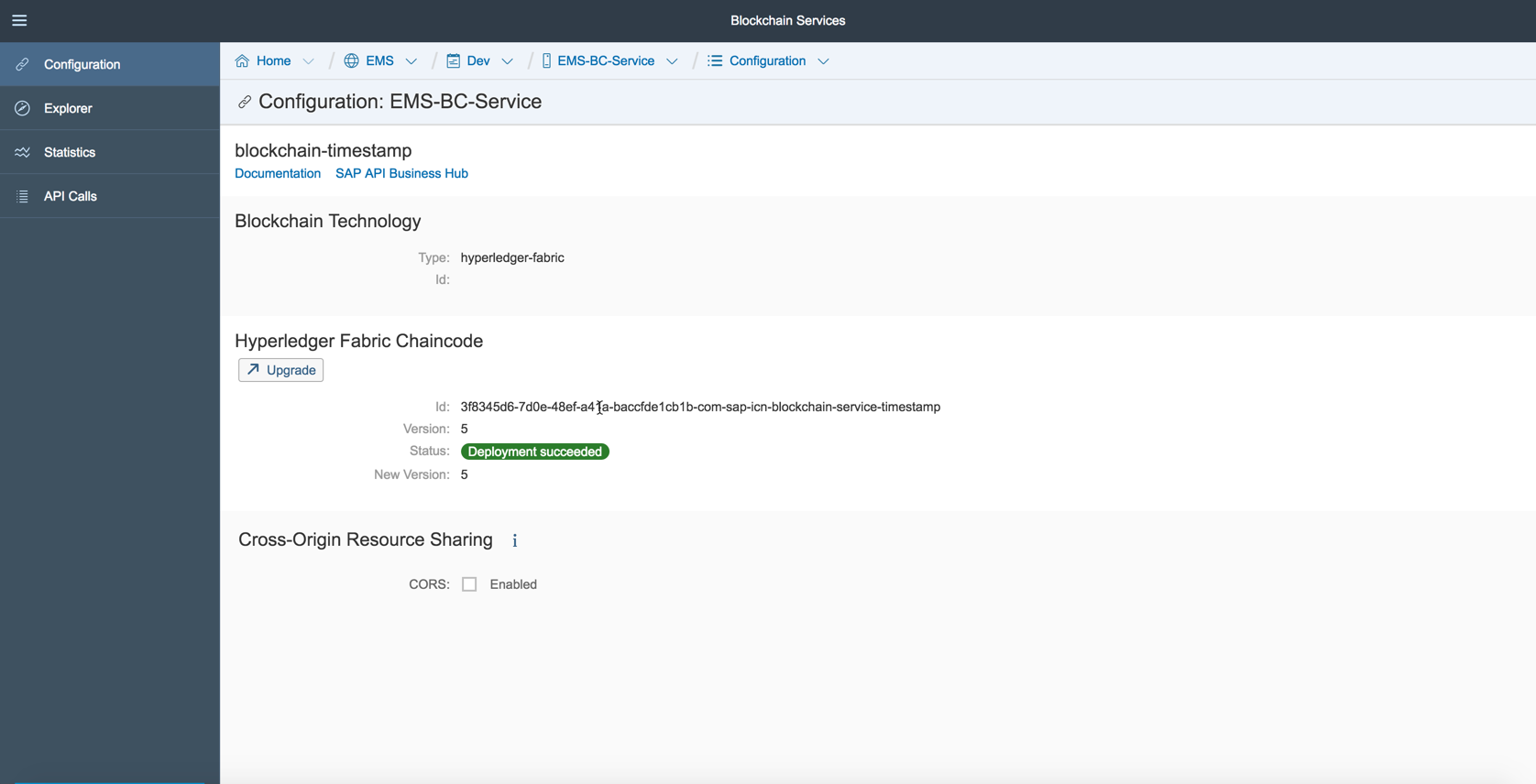
}

}

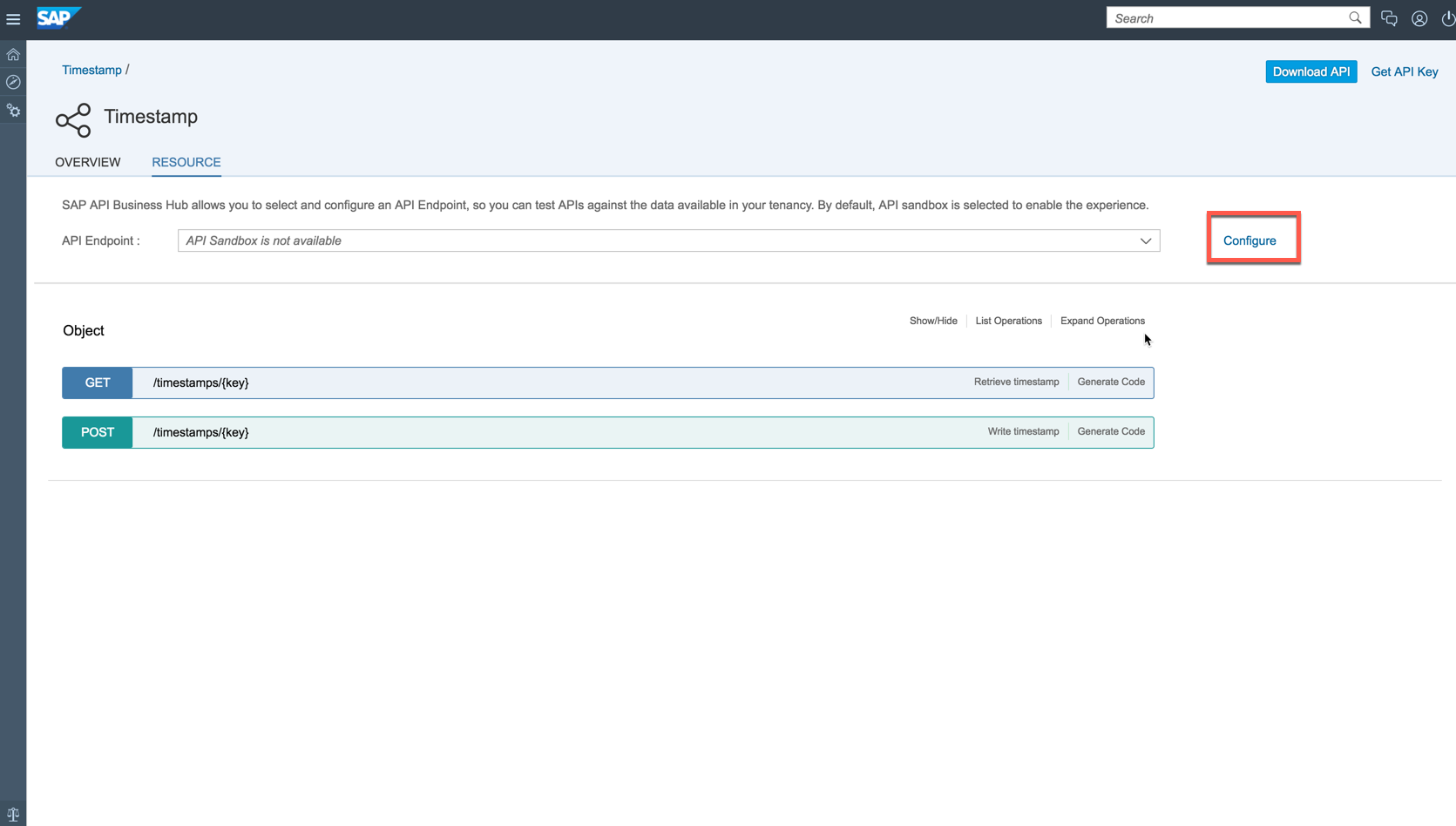


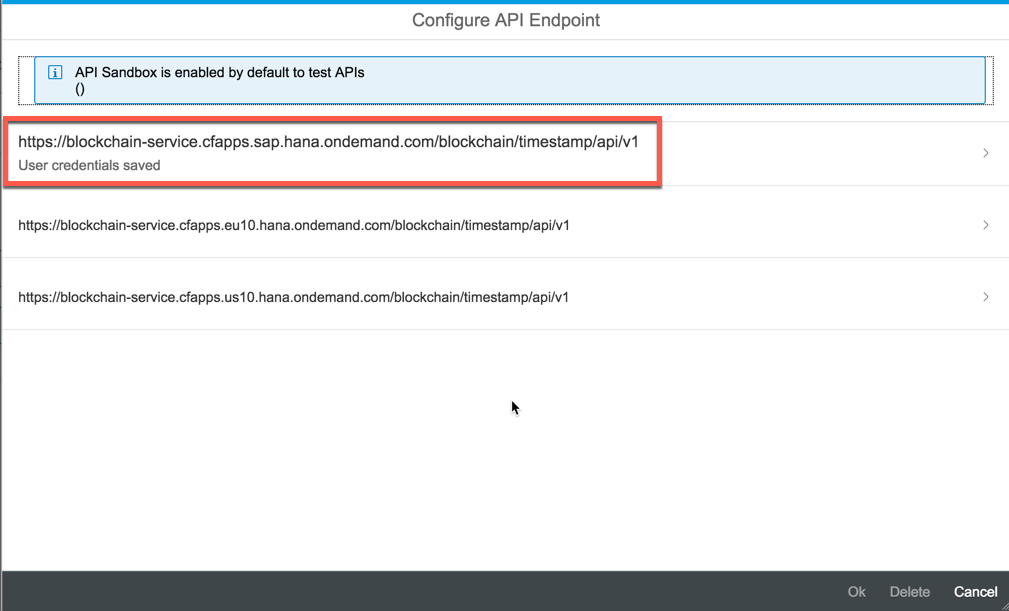


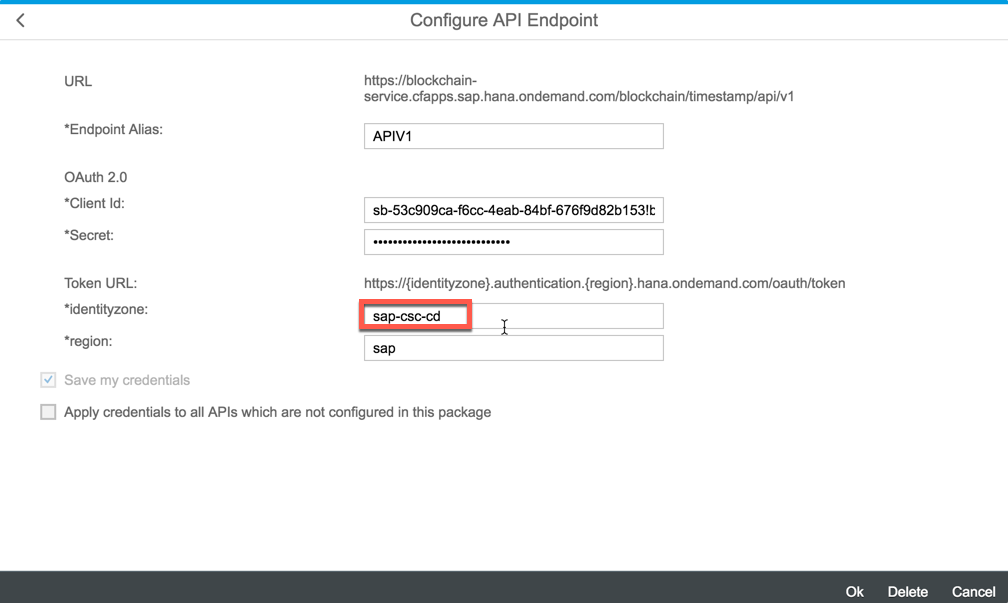
Open EMS-BC-Services dashboard



Configure







Above information ,please refer below

EMS-BC-Service

Service Key

{

"serviceUrl": "https://blockchain-service.cfapps.sap.hana.ondemand.com/blockchain/timestamp/api/v1/",

"authentication": {

"url": "https://sap-csc-cd.authentication.sap.hana.ondemand.com",

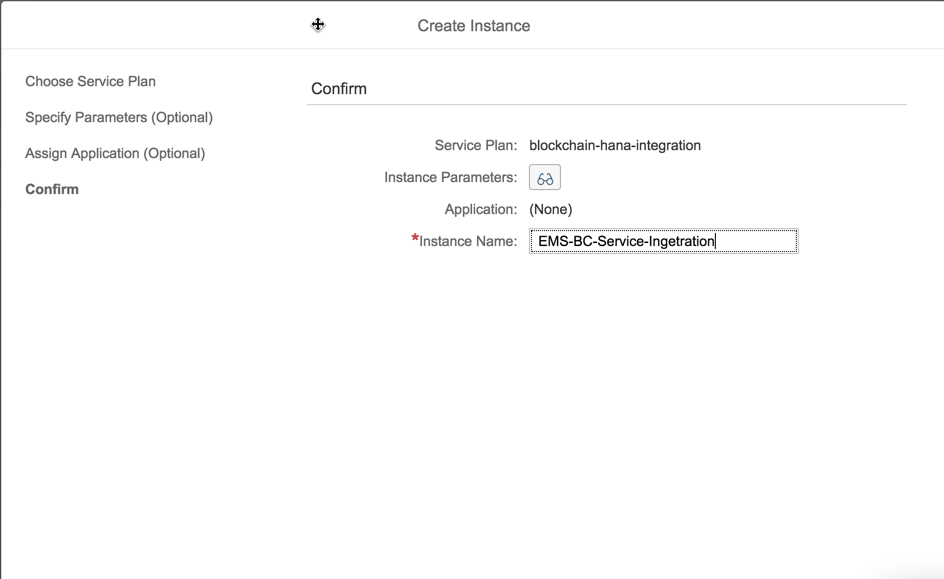
"clientId": "sb-53c909ca-f6cc-4eab-84bf-676f9d82b153!b50|na-54bc25f3-f937-40b7-8b33-ffe240899cf0!b342",

"clientSecret": "/Gln64VQxJI1zwHB4nrW5F8AvuE="

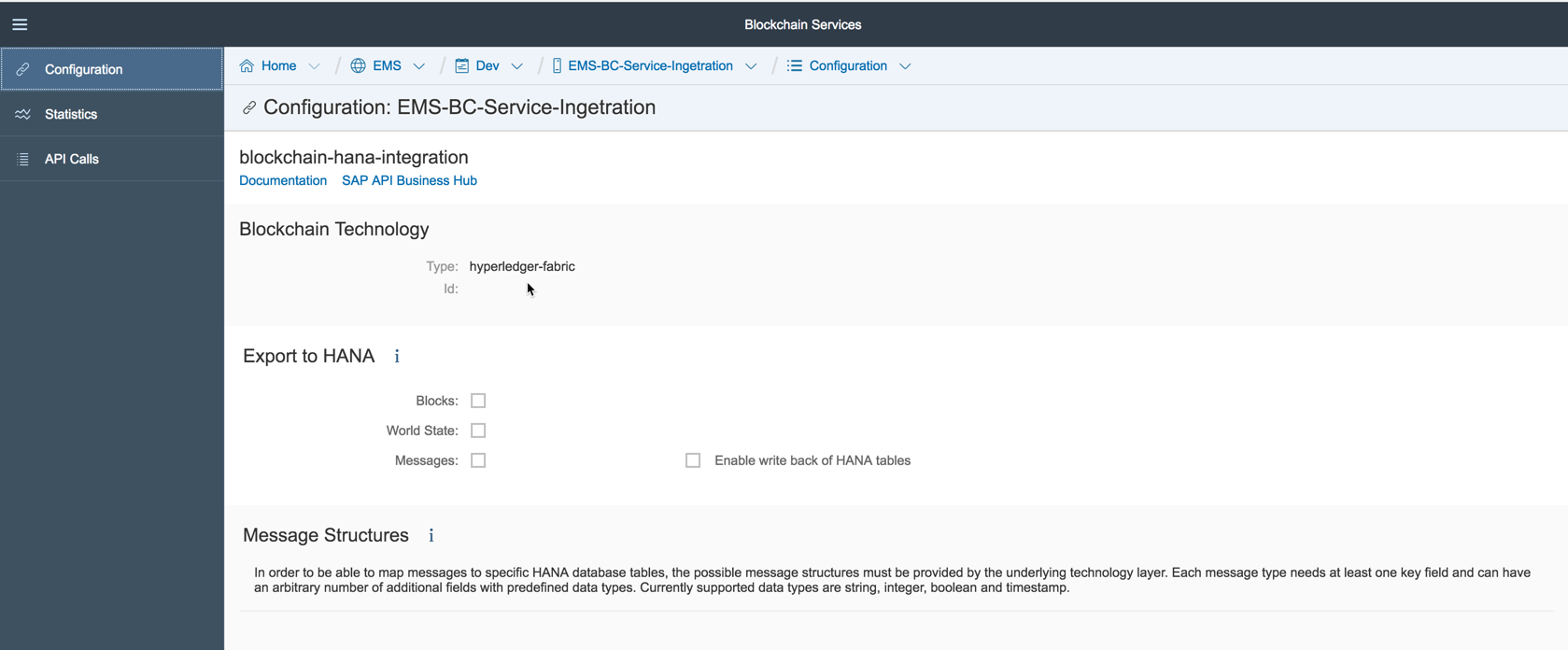
}

}

Create blockchain-hana-integration



Open hana integration dashboard



Click SAP API Business Hub

