Integration Troubleshooting in the SAP BTP, ABAP Environment

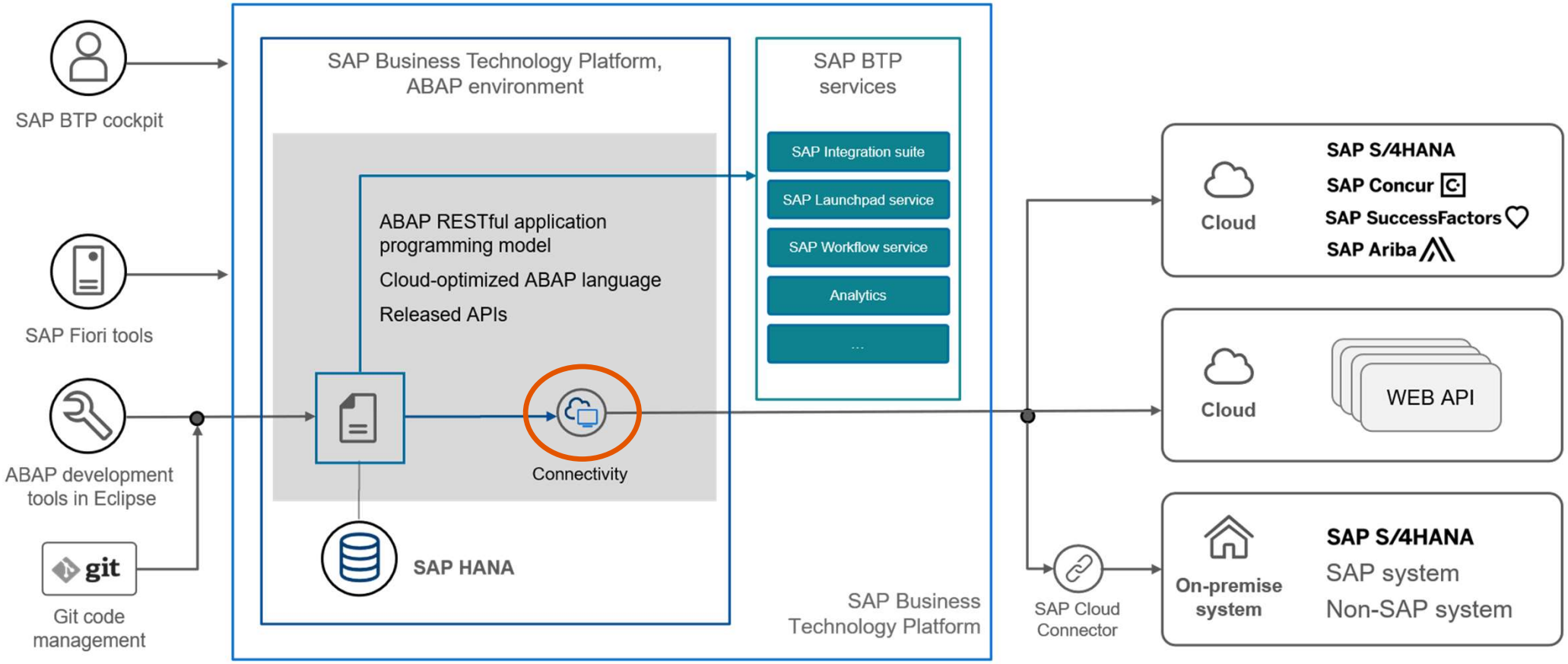
This session will offer an overview of troubleshooting capabilities within the Business Technology Platform (BTP) ABAP environment, specifically focusing on integration aspects.

You will see how to troubleshoot integration scenarios and discover different tools necessary for effectively addressing integration and security issues.

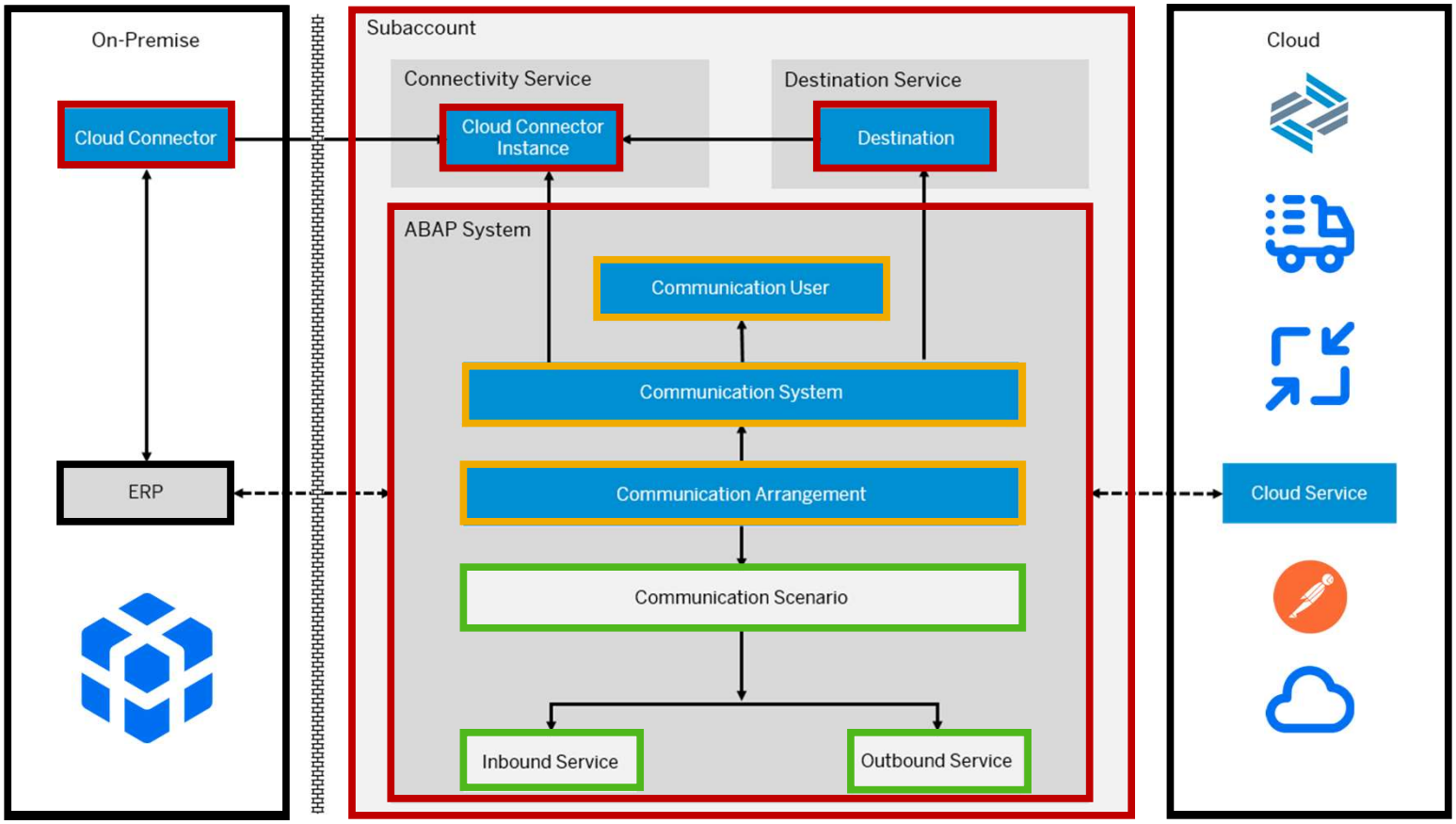
Agenda

- Overview and Basic Principals
- Troubleshooting Apps
- Inbound Scenarios
  - Basic, Certificate-based, SAML & OAuth2UserToken Authentication
- Outbound Scenarios
  - Steampunk – COTA - Steampunk
  - Steampunk – Cloud Connector – OnPremise
  - OnPremise – Cloud Connector – Steampunk
  - *Mail, SOAP, SQL Service*

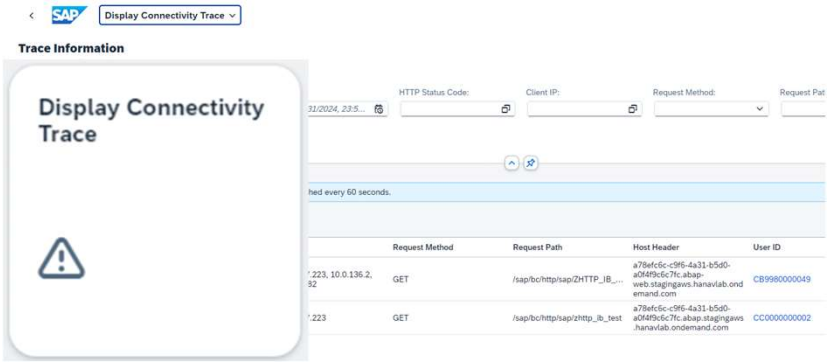
Overview

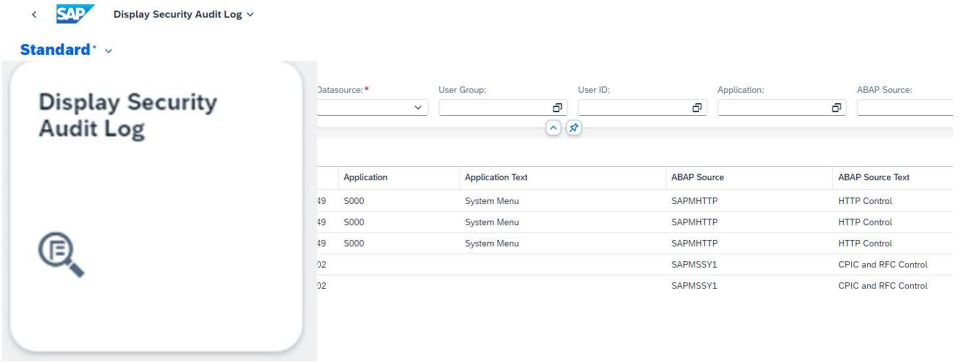

SAP BTP cockpit
SAP Fiori tools
ABAP development tools in Eclipse
git
Git code management
SAP Business Technology Platform, ABAP environment
ABAP RESTful application programming model
Cloud-optimized ABAP language
Released APIs
Connectivity
SAP HANA
SAP BTP services
SAP Integration suite
SAP Launchpad service
SAP Workflow service
Analytics
...
SAP Business Technology Platform
SAP Cloud Connector
Cloud
SAP S/4HANA
SAP Concur
SAP SuccessFactors
SAP Ariba
Cloud
WEB API
On-premise system
SAP S/4HANA
SAP system
Non-SAP system

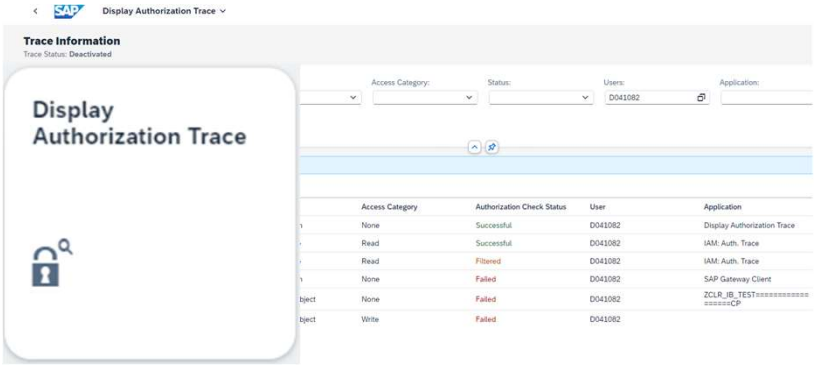
Basic Principals



Steampunk – Troubleshooting/Monitoring Apps







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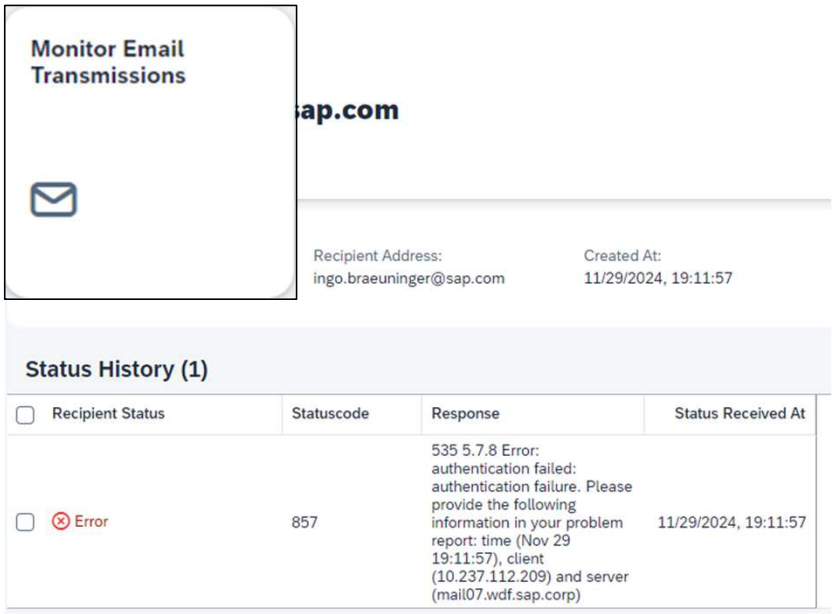

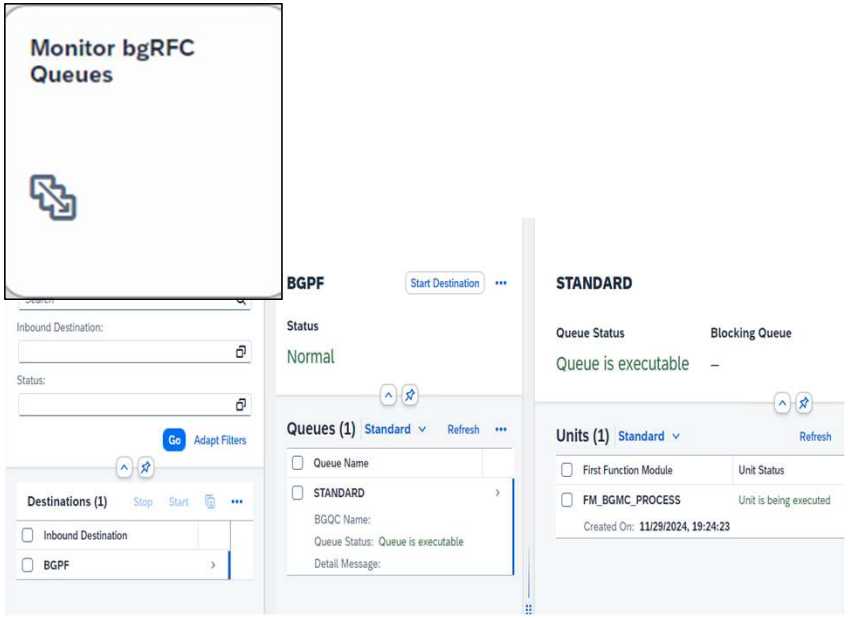

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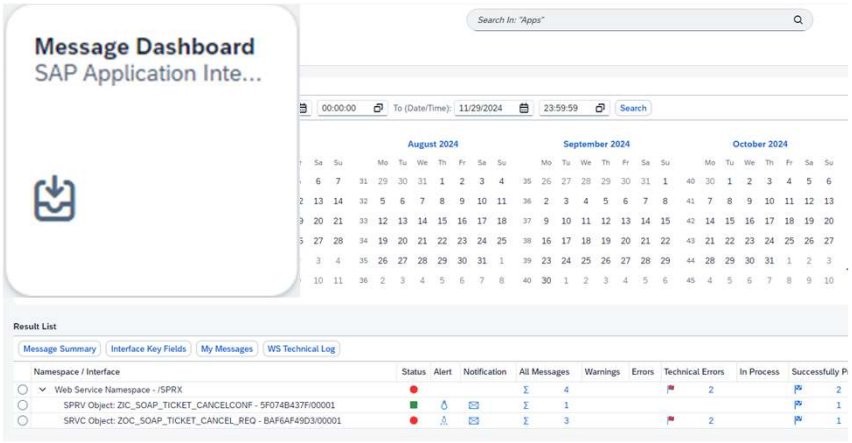
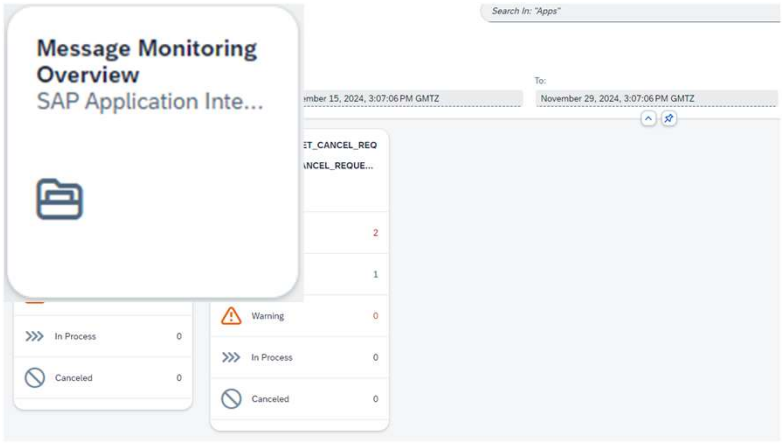
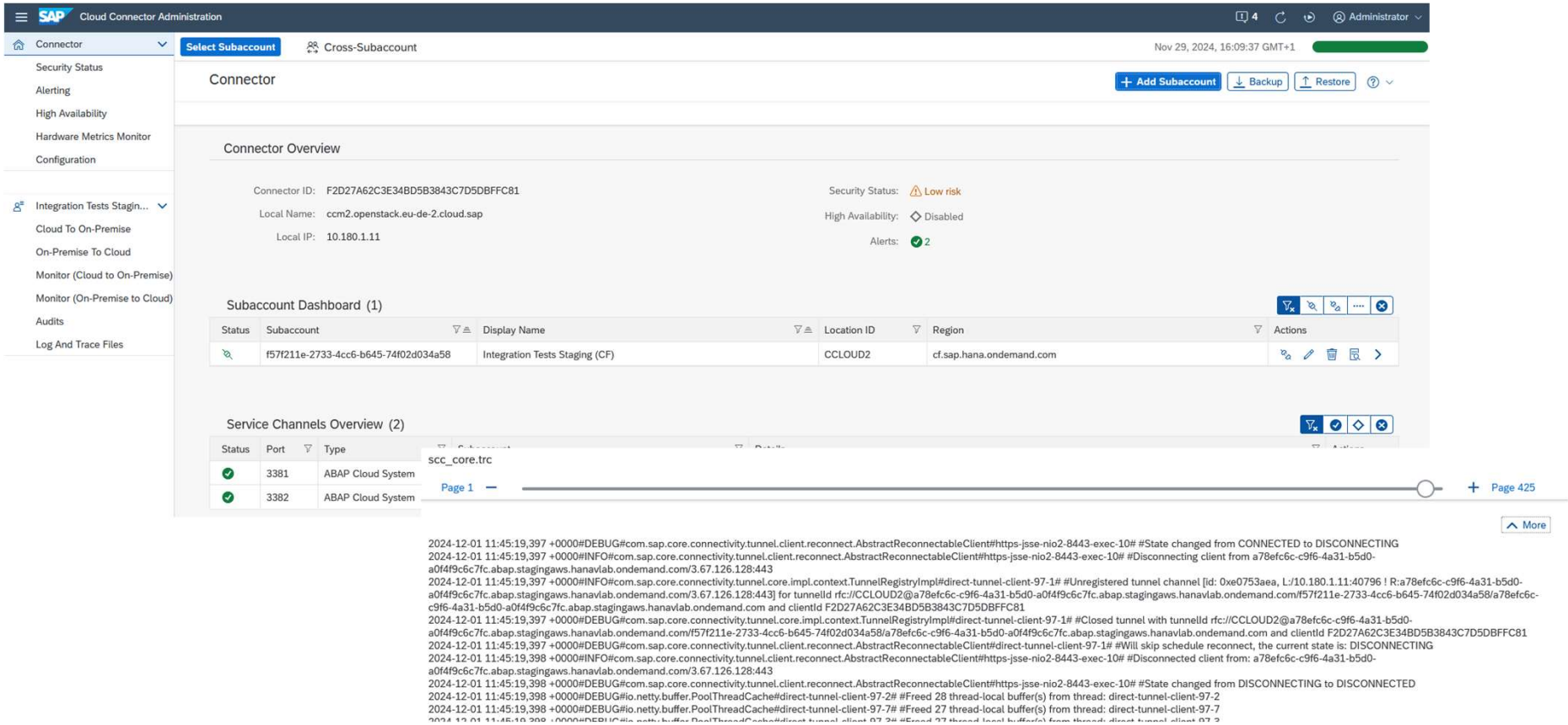
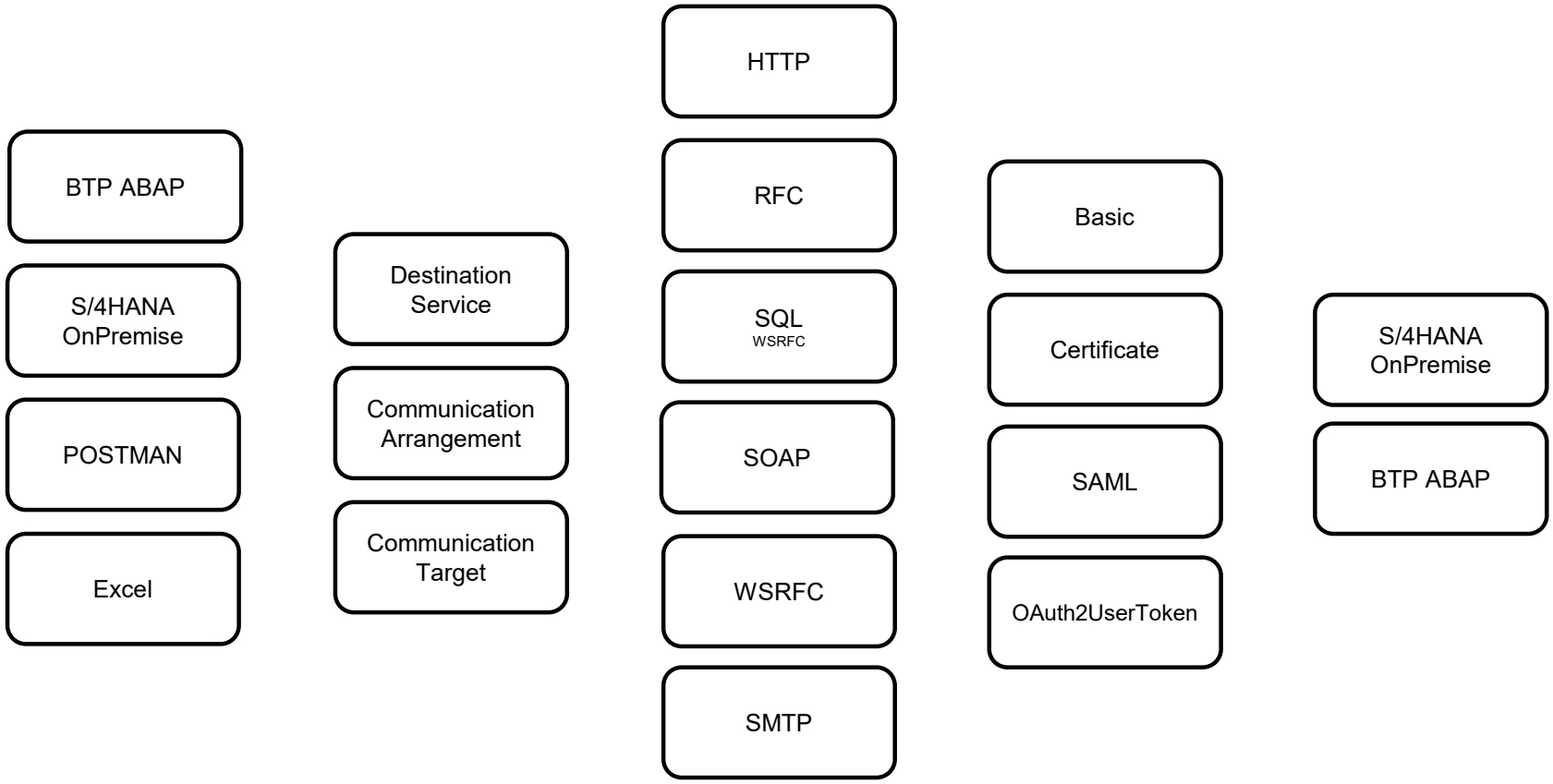




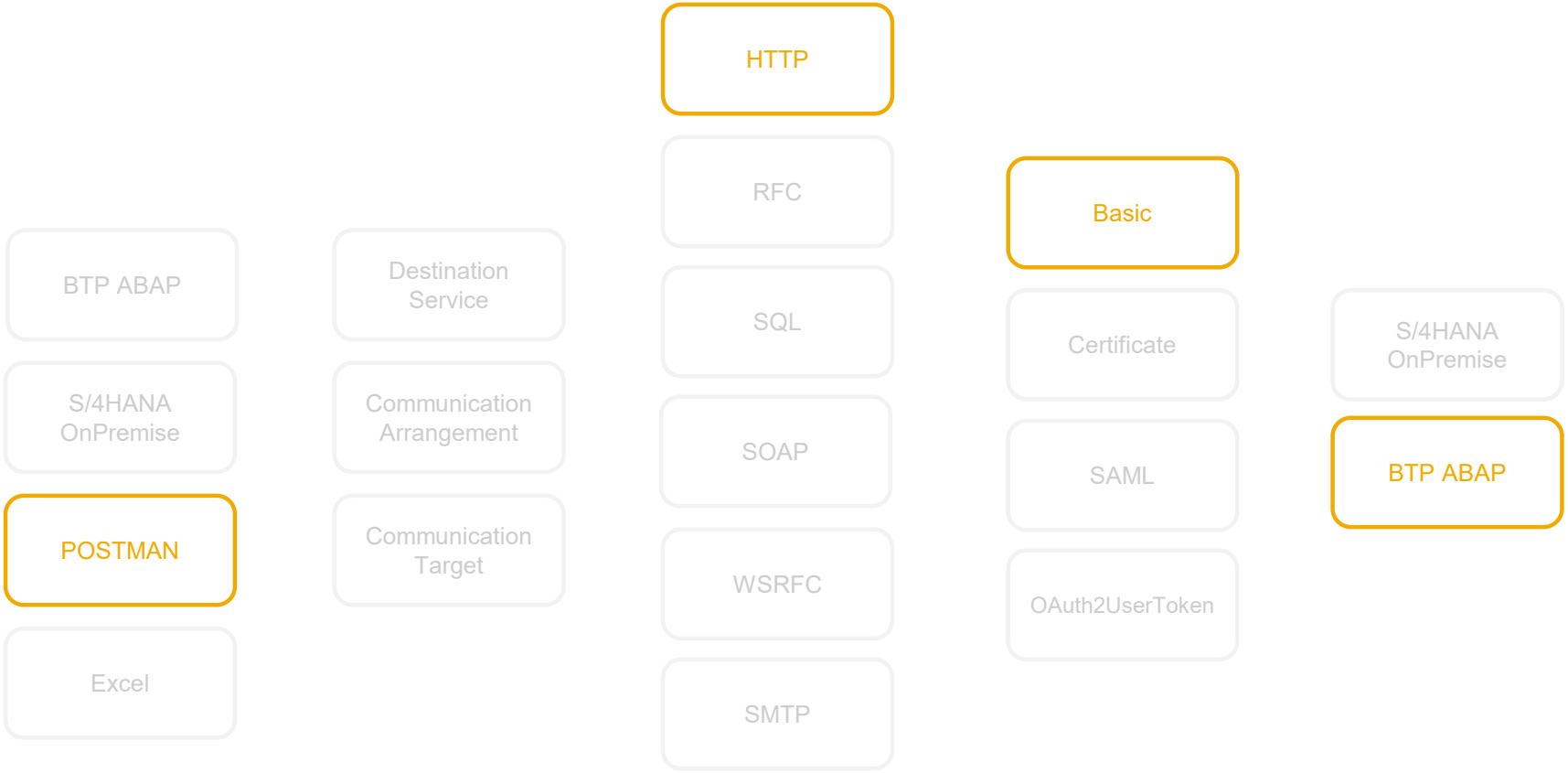
SAP Cloud Connector



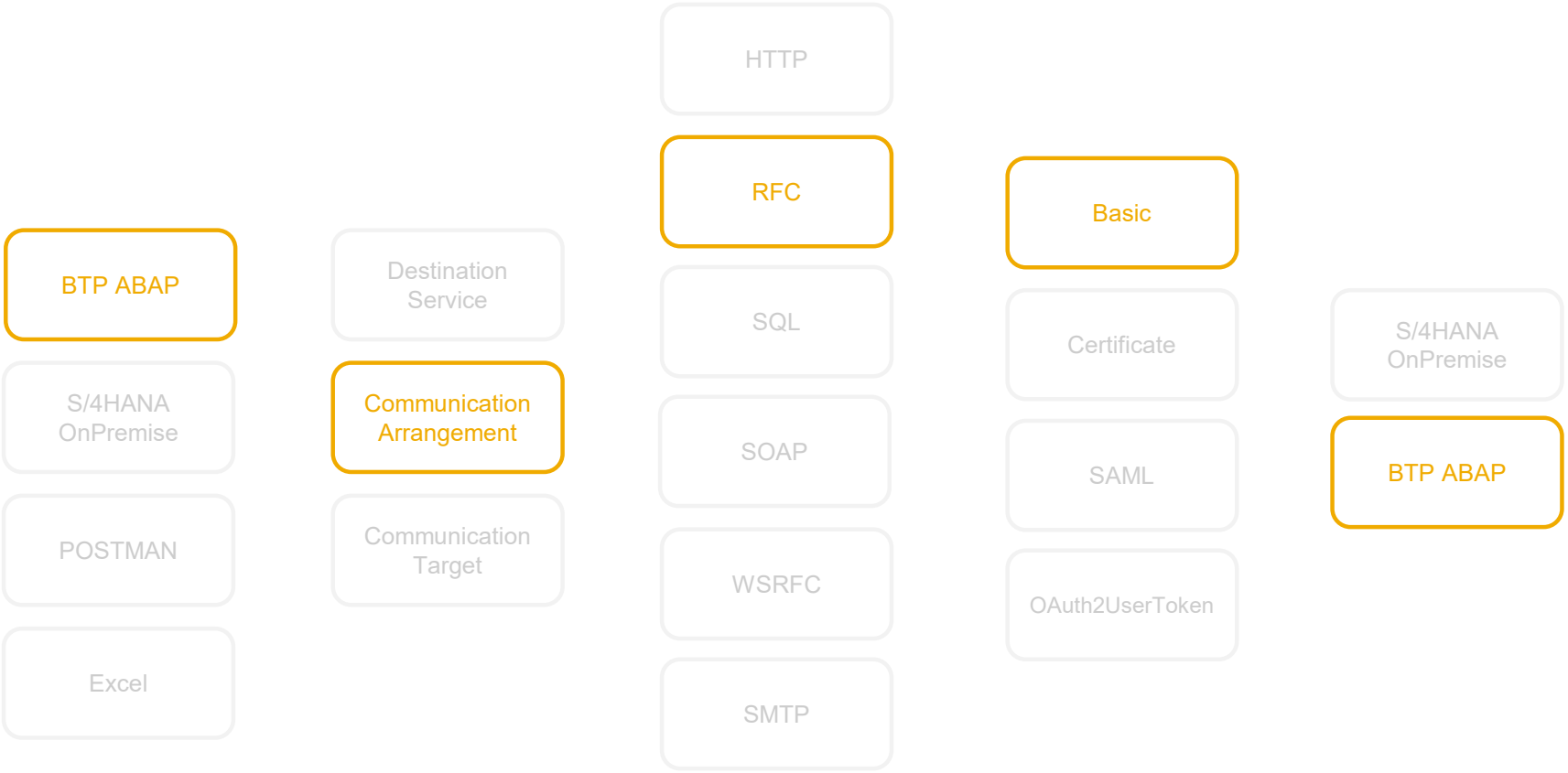
Systems – Protocols – Authentication Methods



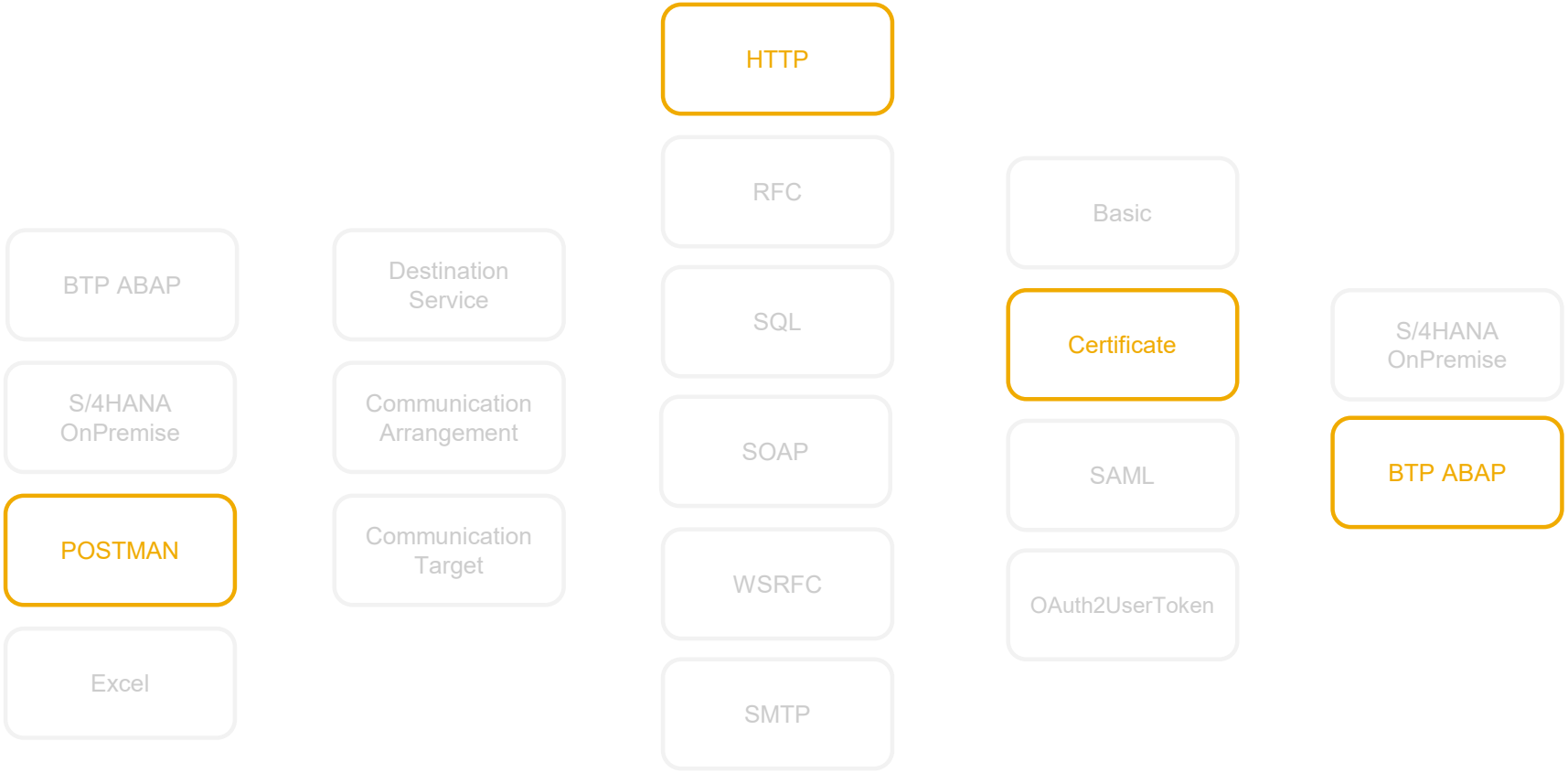
Basic Authentication



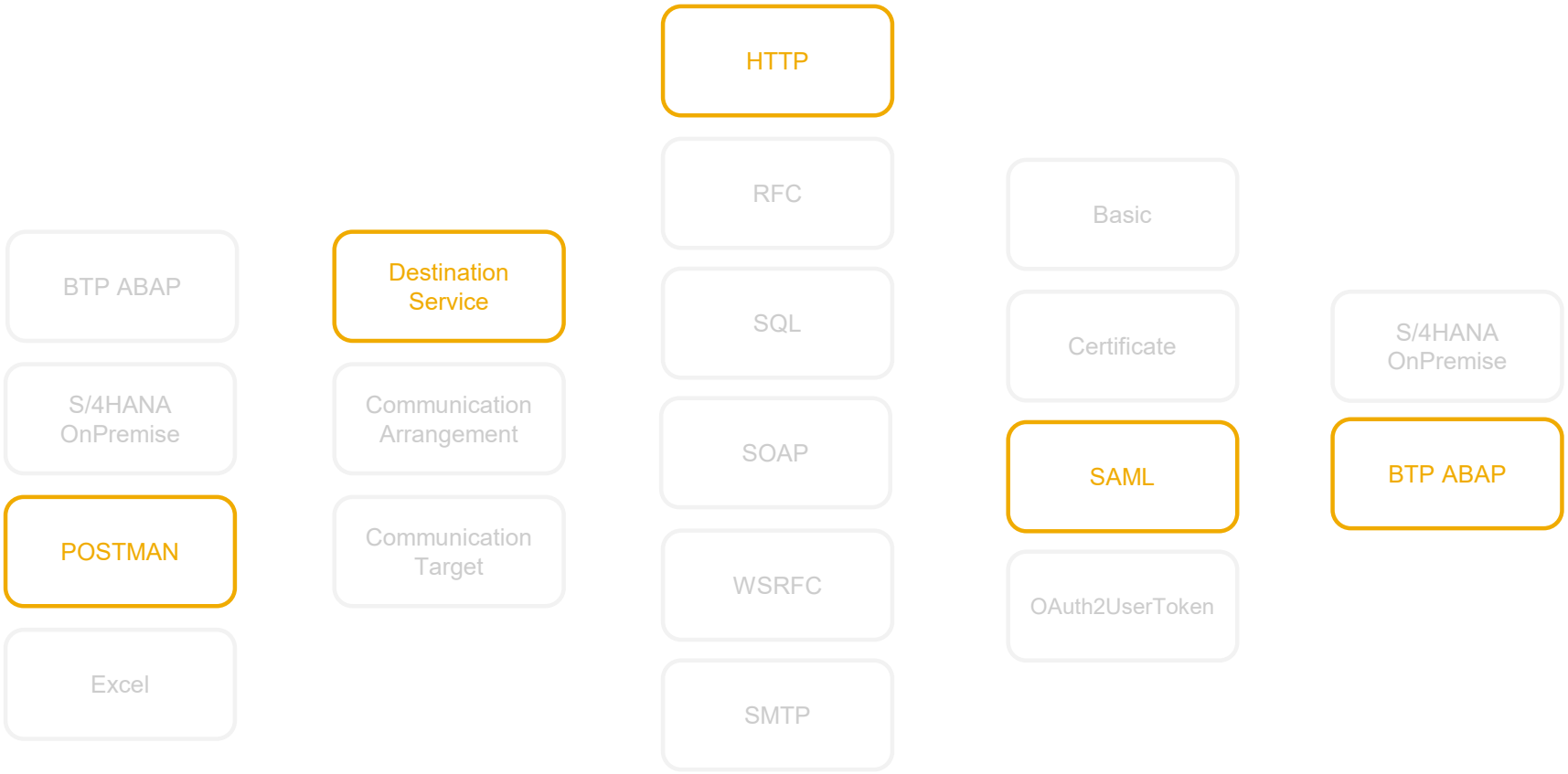
Basic Authentication – RFC & bgRFC



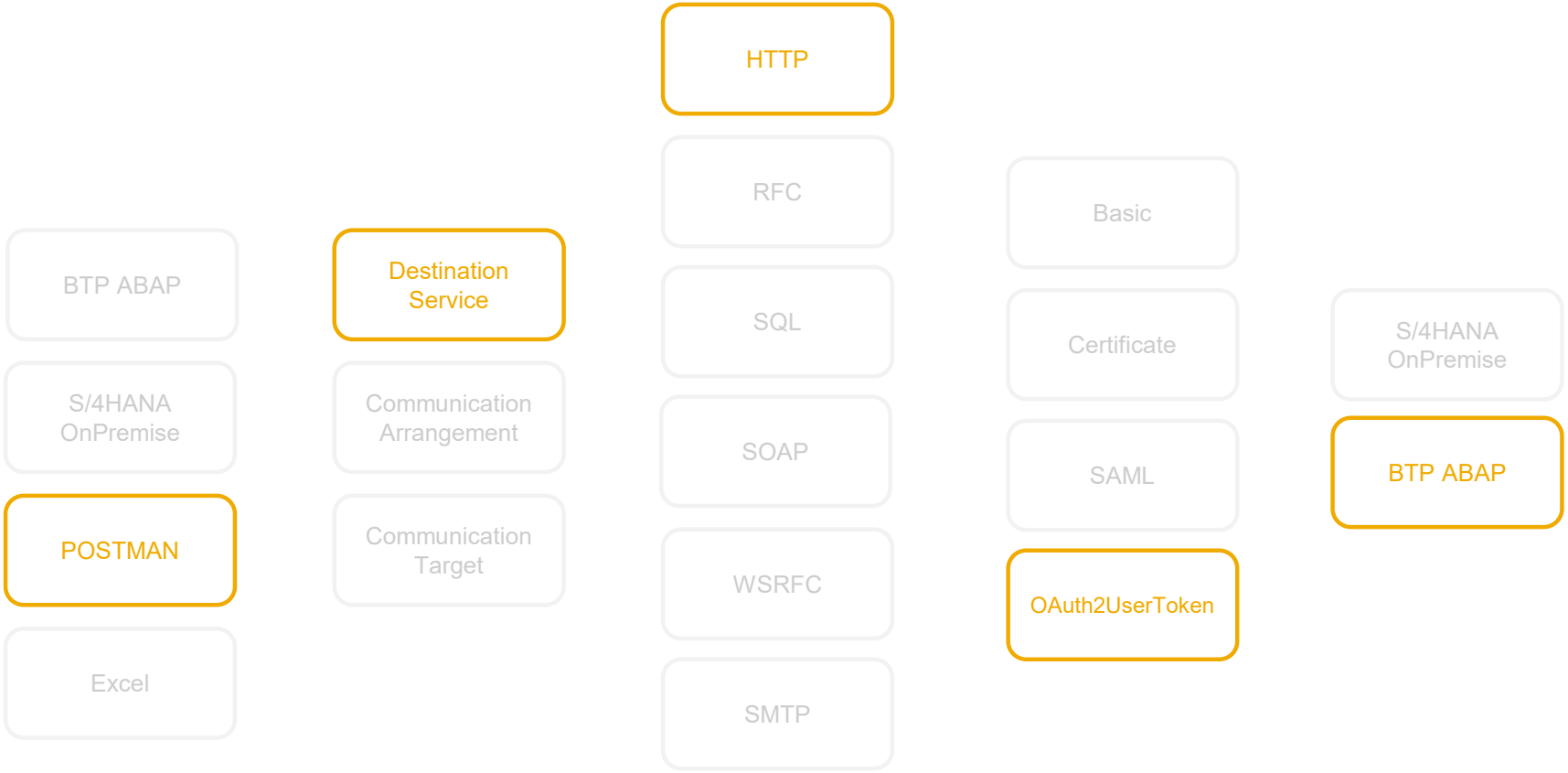
Certificate based Authentication



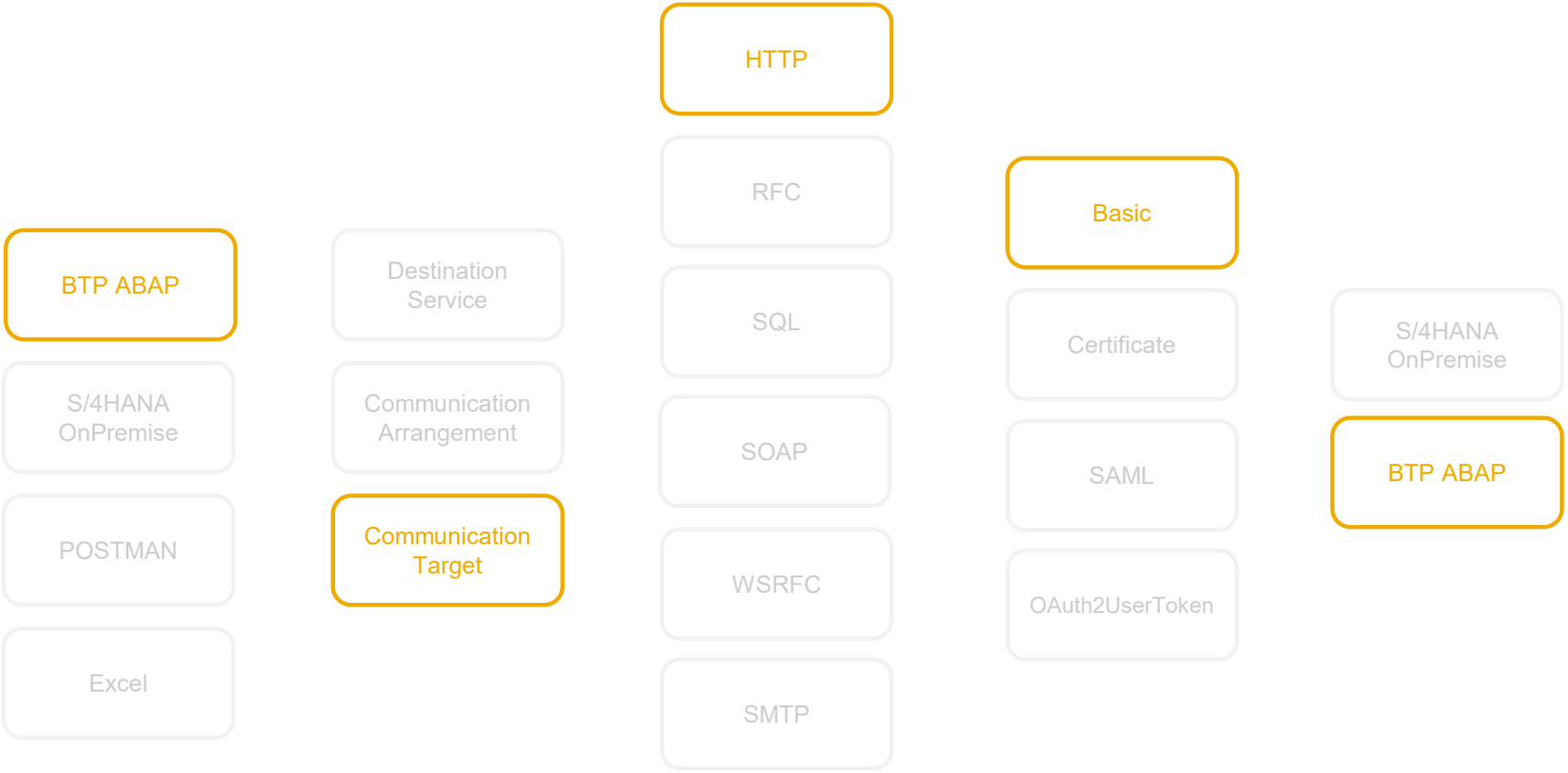
SAML


BTP ABAP
S/4HANA OnPremise
POSTMAN
Excel
Destination Service
Communication Arrangement
Communication Target
HTTP
RFC
SQL
SOAP
WSRFC
SMTP
Basic
Certificate
SAML
OAuth2UserToken
S/4HANA OnPremise
BTP ABAP

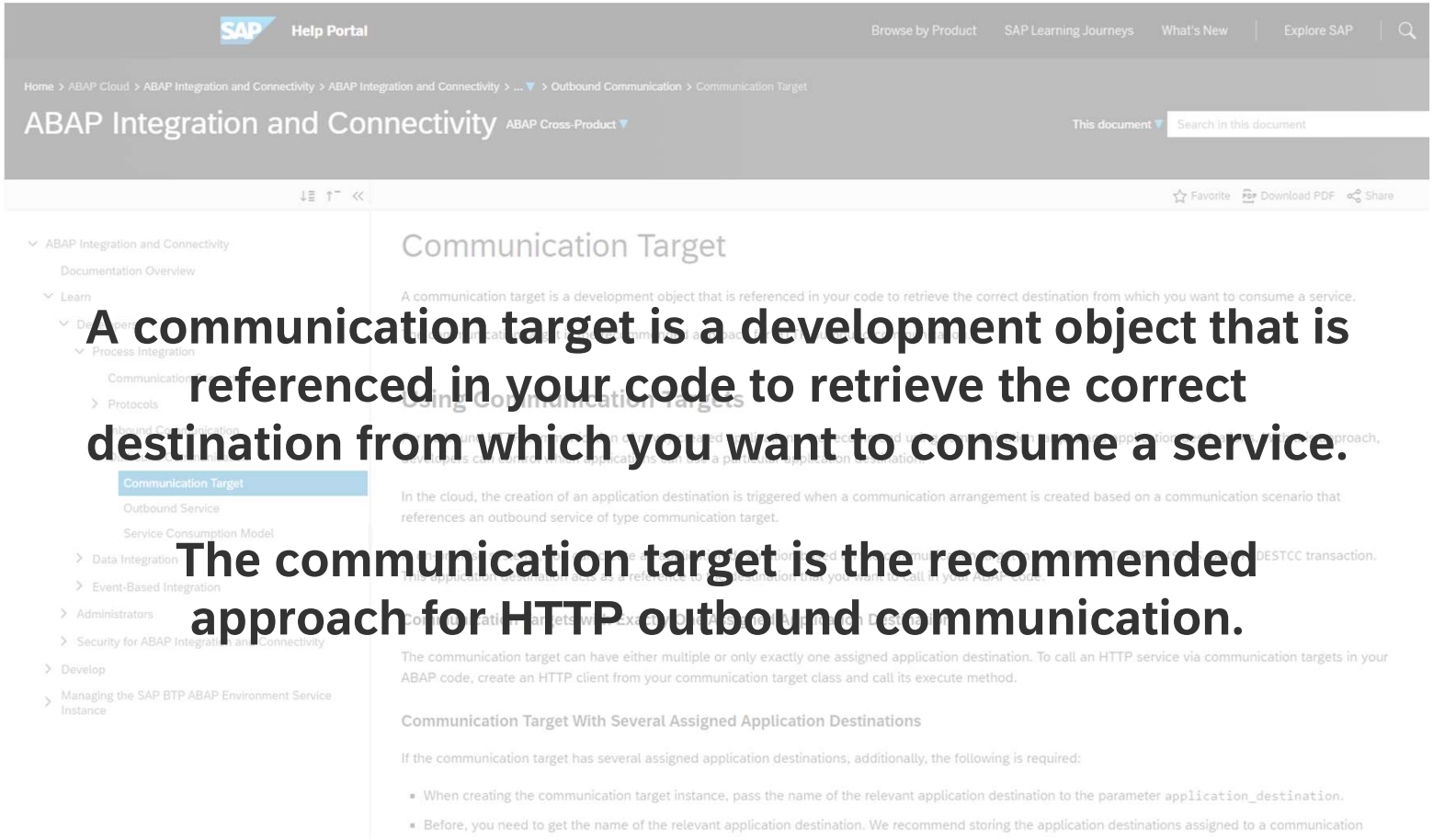
OAuth2UserToken



Steampunk - COTA - Steampunk



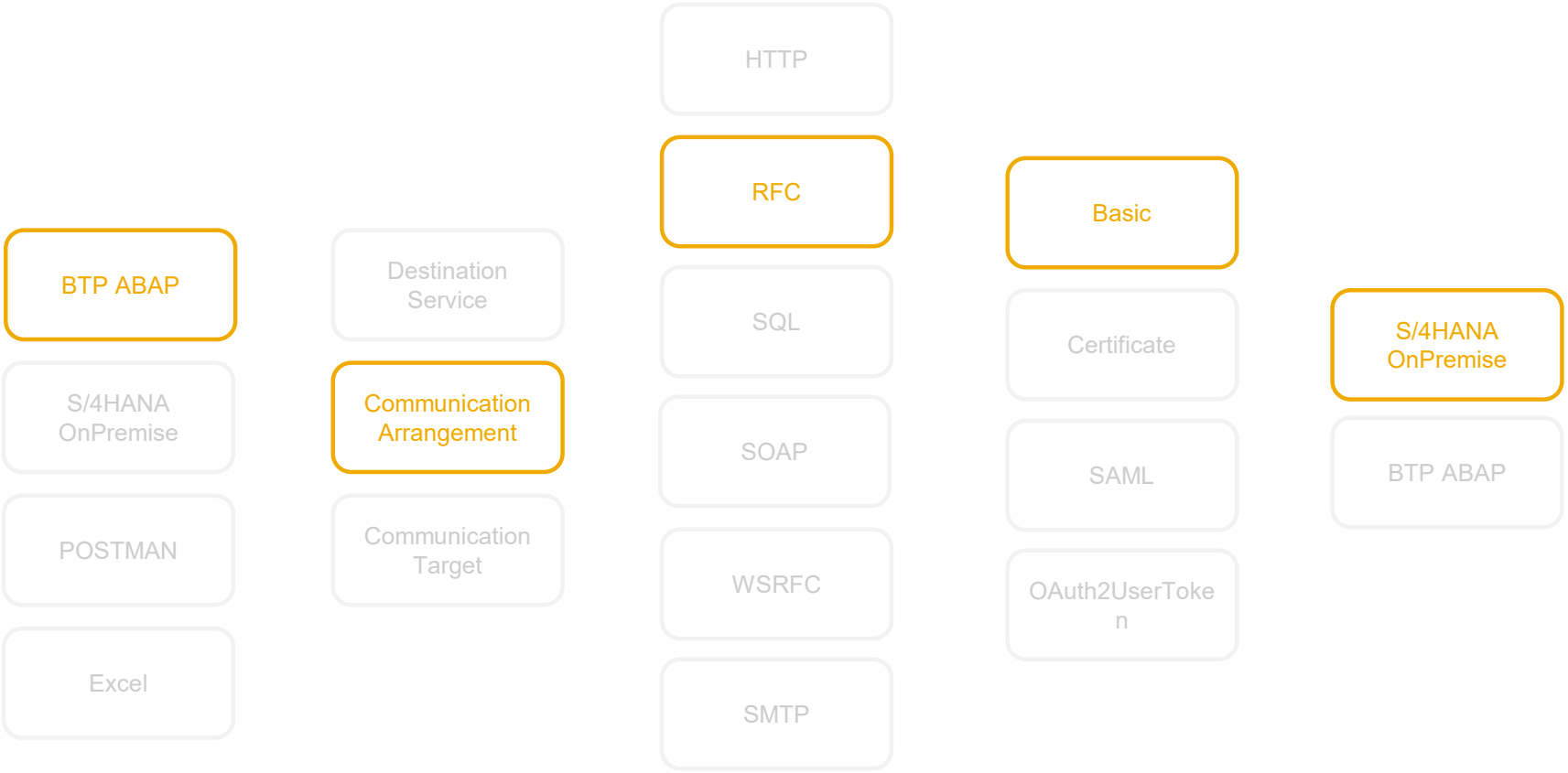
Communication Target



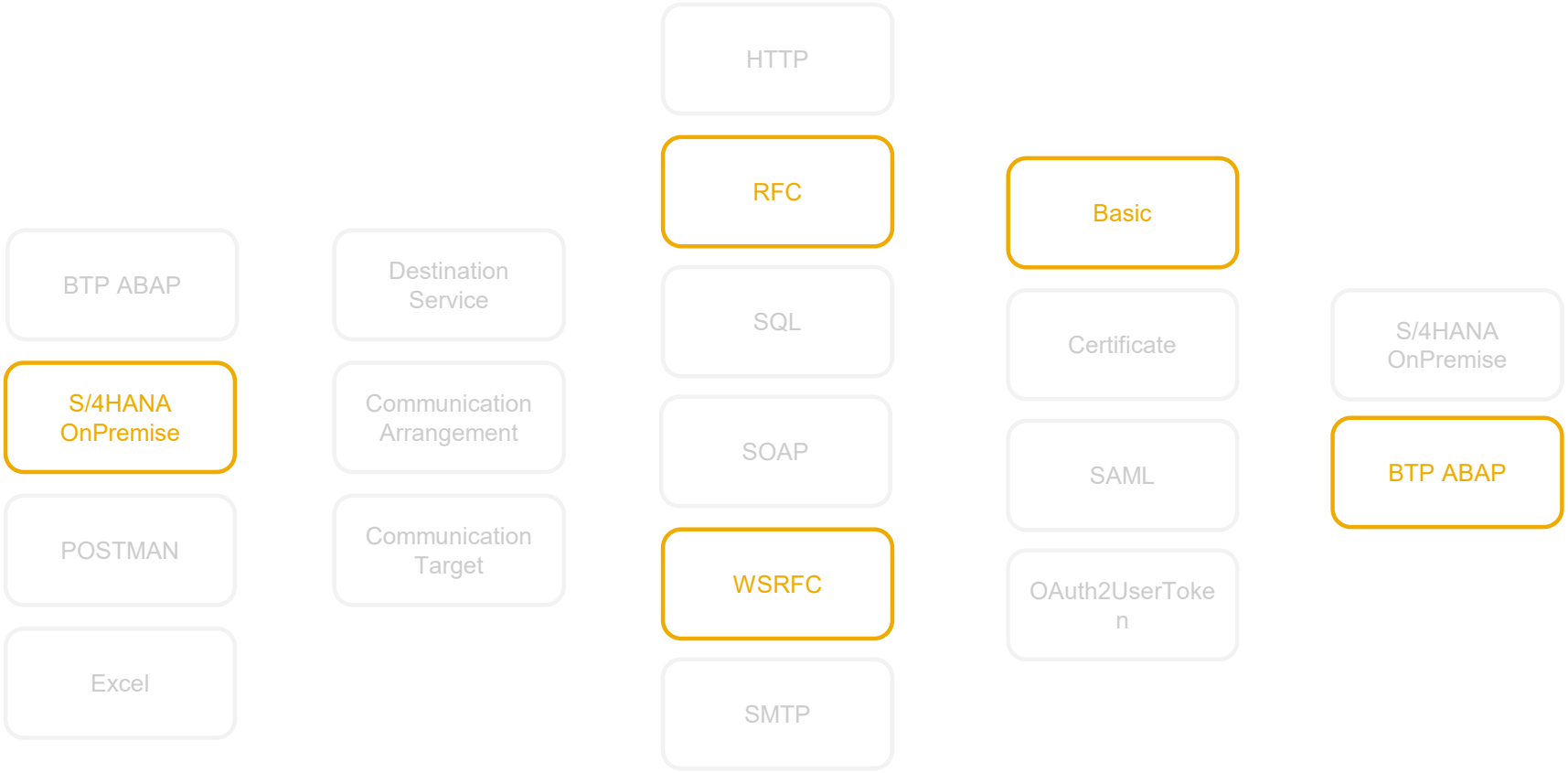
A communication target is a development object that is referenced in your code to retrieve the correct destination from which you want to consume a service.

The communication target is the recommended approach for HTTP outbound communication.

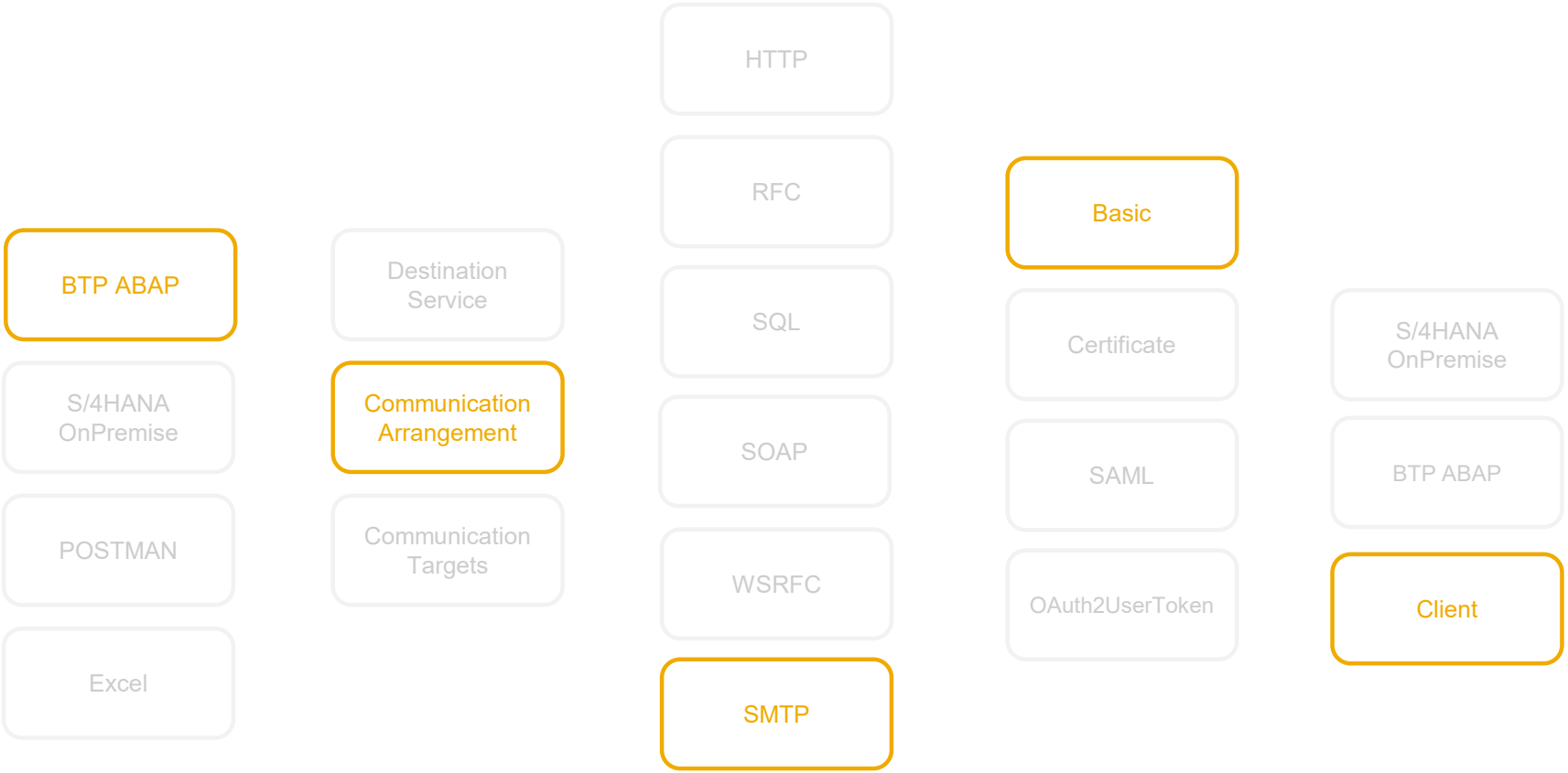
Steampunk – Cloud Connector – OnPremise



OnPremise – Cloud Connector – Steampunk



MAIL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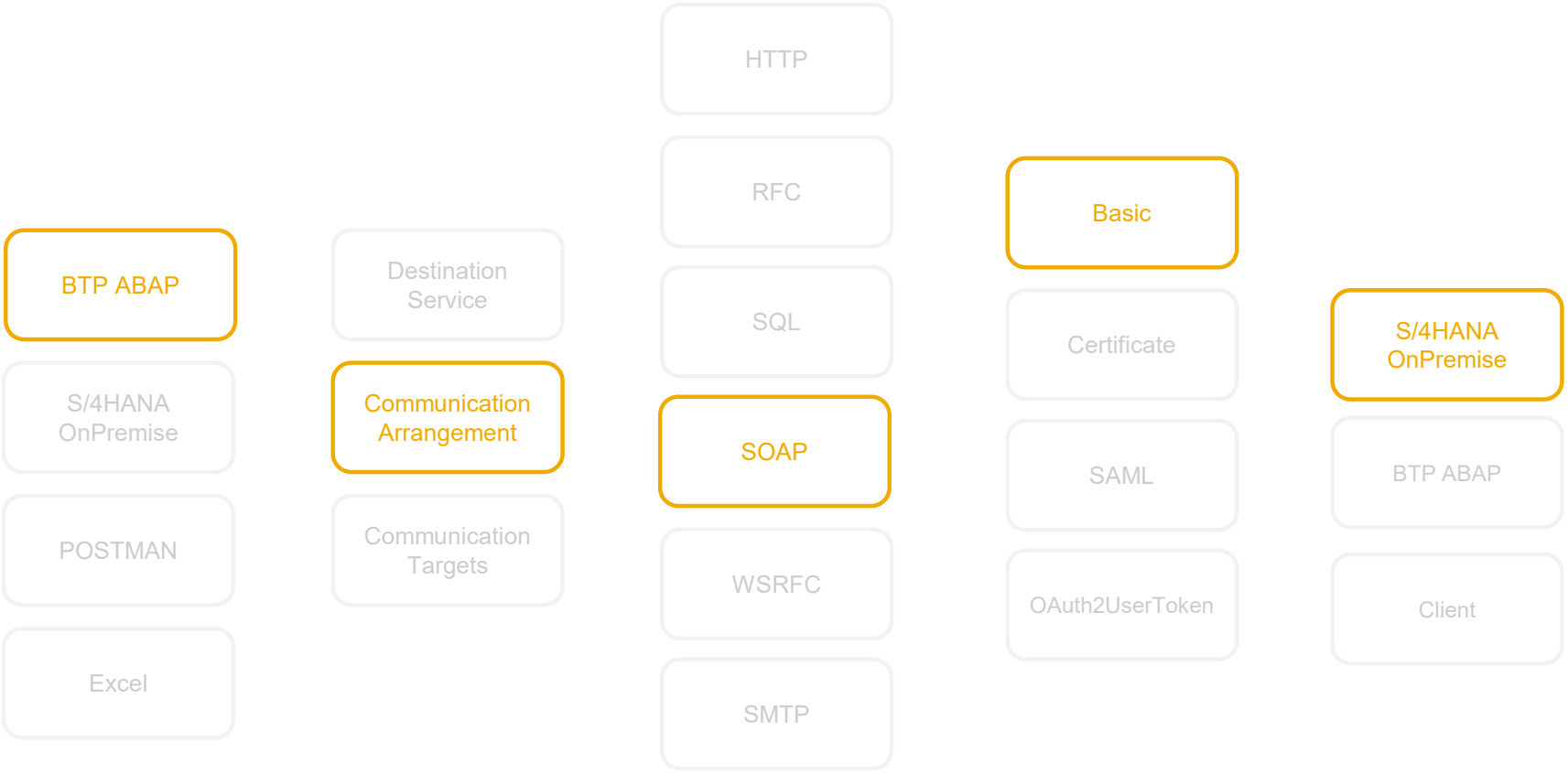
Client

SOAP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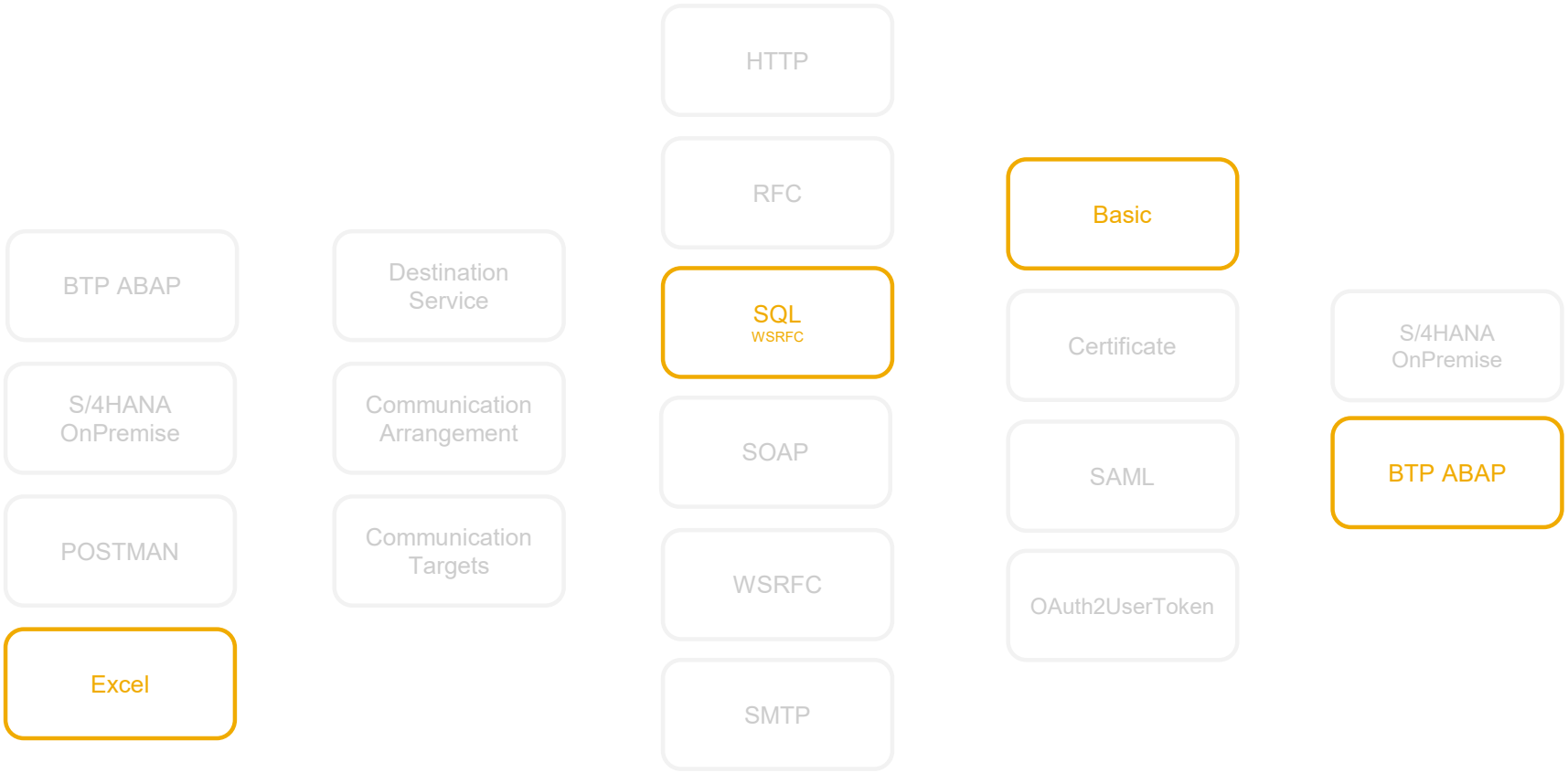
Client

Basic Authentication – SQL Service



Thank you.

Ingo Bräuninger

Product Expert
BTP ABAP Platform Developer Tools

SAP SE | Germany
ingo.braeuninger@sap.com