

BPC – Open Source Tools Project Roadmap

Discovery #1

1. Feature – Access Point A sends UNAPTR DNS query with a Party ID/Party ID Schema hash and obtains a valid response with connection information to the SMP.

Action	Actor	Scoped?
Generate the request to Access Point A, which includes Party ID, Party ID Schema, Invoice Data	Seller	No
Transform and format contents of Seller's request to create UNAPTR DNS query.	Access Point A	Yes
Query DNS.	Access Point A	Yes
Return response to query.	SML – Reply from UNAPTR DNS query.	No
Receive query response from DNS, which is the URI to the SMP	Access Point A	Yes

BPC – Open Source Tools Project Roadmap

Discovery #2

2. Feature –Access Point A sends a REST API query to the SMP URI to obtain a valid response with connection info of target Access Point and customers invoice capabilities.

Action	Actor	Scoped?
Send response with SMP URI to Access Point.	SML	No (not in this feature)
Create REST query to service provider to obtain buyer's service capabilities.	Access Point A	Yes
Send REST query to service provider to obtain participant's service capabilities.	Access Point A	Yes
Receive query and send response with Sellers Capabilities and route to endpoint.	SMP	No
Receive response to query of participant's capabilities.	Access Point A	Yes

BPC – Open Source Tools Project Roadmap

Delivery

3. Feature – An invoice with a semantically correct format is delivered using AS4 protocol.

Action	Actor	Scoped?
Compose semantically correct e-Invoice based on response from service provider about participant's capabilities.	Access Point A	Yes
Format e-Invoice in compliant AS4 format.	Access Point A	Yes
Send e-Invoice to final destination obtained from SMP service provider.	Access Point A	Yes
Receives the request.	Access Point B	No

BPC – Open Source Tools Project Roadmap

VERSION HISTORY

What was changed?	Why was it changed?	Who changed it?	When was it done?
Document created.	Initial proposal.	Kelly Kinney	4/8/2021
Add the specific requirements needed for each feature.	Add additional details.	Kelly Kinney	4/23/2021
Further work on requirements and editing document.	Additional details and clarification.	Kelly Kinney	4/26/2021
Updated Feature descriptions for accuracy and readability.	Updated language to be more technically accurate.	Kelly Kinney and Dennis Weddig	5/7/2021
Reformatted table designs per accessibility recommendations.	Increase accessibility of document.	Kelly Kinney	5/7/2021