SABB

Information Technology Department

Integration Detailed Technical Design

Subject Policy

**Atomic Service**

(INT-002-004-ServiceID-DTD)

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# Record of Changes

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Author | Change Reference |
| 0.1 | DD-MON-YYYY | EJADA Systems Ltd. | Initial version |
| 1.0 | DD-MON-YYYY | Mohamed Higazy | Review |
|  |  |  |  |
|  |  |  |  |

# Approvals

This document has been approved by the following people

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Function | Date of Approval | Signature |
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# Distribution List

This document has been distributed to:

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| --- | --- |
| Name | Function |
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# Documents References

|  |  |  |
| --- | --- | --- |
| Document Name | Document Reference | Version |
| INT-002-004-ServiceID-SCI Subject.docx | INT-002-004-ServiceID-SCI | 1.0 |
| INT-002-004-ServiceID-SPI Subject.docx | INT-002-004-ServiceID-SPI | 1.0 |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

# Service Sequence Diagram

# Subject Service Components

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | Name | | Description | Type (Flow, Component) |
|  | INPUT\_PROCESSING\_REQUEST | | This component is used to audit and dump the input message for request | Component |
|  | OUTPUT\_PROCESSING\_REQUEST | | This component is used to audit and dump the output message for request | Component |
|  | INPUT\_PROCESSING\_RESPONSE | | This component is used to audit and dump the input message for response | Component |
|  | OUTPUT\_PROCESSING\_RESPONSE | | This component is used to audit and dump the output message for response | Component |
|  | INPUT\_PROCESSING\_ERROR | | This component is used to audit and dump the input error message for error | Component |
|  | OUTPUT\_PROCESSING\_ERROR | | This component is used to audit and dump the output error message for error | Component |
|  | Sign Message | | This component is used to determine whether to sign message or not | Component |
|  | Verify Message | | This component is used to determine whether to verify message or not | Component |
| **Comments** | |  | |  |

# ServiceCanonicalNameRq Flow Details

|  |
| --- |
| **Flow Activity Diagram** |
|  |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Flow Components*** | | | |
| EP1  (Service Consumer) | *Function ID(s)* | ?? | |
| *End Point Type* | Request | |
| EP2  (Service Provider) | *Service Provider* | BackendName | |
| *End Point Type* | Request | |
| EP3  (Service Consumer) | *Function ID(s)* | ?? | |
| *End Point Type* | Response | |
| CMP1 | *Component Type* | Matching Rule | |
| *Component Attributes* | Matching Type | XPATH |
| Matching Pattern | //\*[local-name()="??"] |
| CMP2 | *Component Type* | INPUT\_PROCESSING\_REQUEST | |
| CMP3 | *Component Type* | Set Variable | |
| *Component Attributes* | Input | INPUT |
| Variable Name | var://context/service/endpoint-id |
| Variable Assignment | BackendName-ServiceCanonicalName |
| CMP4 | *Component Type* | Transform with XSLT style sheet | |
| *Component Attributes* | XSL Stylesheet | SABB-BackendName-ServiceCanonicalName-Rq.xsl |
| Input | INPUT |
| Output | PIPE |
| CMP5 | *Component Type* | OUTPUT\_PROCESSING\_REQUEST | |
| CMP6 | *Component Type* | Transform with XSLT style sheet | |
| *Component Attributes* | XSL Stylesheet | Json2Json.xsl |
| Input | PIPE |
| Output | PIPE |
| CMP7 | *Component Type* | Results | |
| *Component Attributes* | Input | PIPE |
| Output | OUTPUT |
| CMP8 | *Component Type* | Matching Rule | |
| *Component Attributes* | Matching Type | URL |
| Matching Pattern | \* |
| CMP9 | *Component Type* | INPUT\_PROCESSING\_ERROR | |
| CMP10 | *Component Type* | Transform with XSLT style sheet | |
| *Component Attributes* | XSL Stylesheet | SABB-BackendName-ServiceCanonicalName-Rs.xsl |
| Input | INPUT |
| Output | PIPE |
| CMP11 | *Component Type* | OUTPUT\_PROCESSING\_ERROR | |
| CMP12 | *Component Type* | Results | |
| *Component Attributes* | Input | PIPE |
| Output | OUTPUT |

|  |  |
| --- | --- |
| ***Flow Properties*** | |
| Element | Value (Default) |
| Message Dump | Dump Request  Dump Backend Request |
| Message Audit | Audit   |  |  |  | | --- | --- | --- | | Audit Field | Target Flow | Value | | UserDef1 | REQ | //\*[local-name()=’’] | | UserDef2 | REQ | //\*[local-name()=’’] | | UserDef3 | REQ | //\*[local-name()=’’] | | UserDef4 | REQ | //\*[local-name()=’’] | | UserDef5 | REQ | //\*[local-name()=’’] | |
| General Properties | |  |  | | --- | --- | | Property | Value | | XML Manager | elmGW\_xml\_mngr | | SSL Client Crypto Profile | elmGW\_ssl\_client\_profile | |
| Endpoint Properties | Main Endpoint |

## ServiceCanonicalName Request Message Mapping

|  |  |  |  |
| --- | --- | --- | --- |
| Target  Element | | Source  Element | Mapping  Required  (True/False) |
|  | |  |  |
| **Comments** |  | | |

# ServiceCanonicalNameRs Flow Details

|  |
| --- |
| **Flow Activity Diagram** |
|  |

|  |  |  |  |
| --- | --- | --- | --- |
| ***Flow Components*** | | | |
| EP1  (Service Provider) | *Service Provider* | BackendName | |
| *End Point Type* | Response | |
| EP2  (Service Consumer) | *Function ID(s)* | ?? | |
| *End Point Type* | Response | |
| CMP1 | *Component Type* | Matching Rule | |
| *Component Attributes* | Matching Type | XPATH |
| Matching Pattern | //\*[local-name()="??"] |
| CMP2 | *Component Type* | Advanced (Convert query params to xml) | |
| CMP3 | *Component Type* | INPUT\_PROCESSING\_RESPONSE | |
| CMP4 | *Component Type* | Transform with XSLT style sheet | |
| *Component Attributes* | XSL Stylesheet | SABB-BackendName-ServiceCanonicalName-Rs.xsl |
| Input | PIPE |
| Output | PIPE |
| CMP5 | *Component Type* | OUTPUT\_PROCESSING\_RESPONSE | |
| CMP6 | *Component Type* | Results | |
| *Component Attributes* | Input | PIPE |
| Output | OUTPUT |

|  |  |
| --- | --- |
| ***Flow Properties*** | |
| Element | Value (Default) |
| Message Dump | Dump Backend Response  Dump Response |
| Message Audit | |  |  |  | | --- | --- | --- | | Audit Field | Target Flow | Value | | UsrDef11 | RPLY | //\*Header/ISMHdr/RespeCde/Rtrncde | | BEErrorCodeXPath | - | //\*Body/StatusCode | | BEErrorMsgXPath | - | //\*Body/StatusDetails | | StatusCode | - | //\*Header/ISMHdr/RespeCde/ReasCde | | StatusDesc | - | //\*Header/ISMHdr/RespeCde/DiagText | |

## ServiceCanonicalName Response Message Mapping

|  |  |  |  |
| --- | --- | --- | --- |
| Target  Element | | Source  Element | Mapping  Required  (True/False) |
|  | |  |  |
| **Comments** |  | | |

## ServiceCanonicalName Response Message Mapping – Fault Error

|  |  |  |  |
| --- | --- | --- | --- |
| Target  Element | | Source  Element | Mapping  Required  (True/False) |
|  | |  |  |
| **Comments** |  | | |

## Return Code Mapping List

|  |  |  |  |
| --- | --- | --- | --- |
| Stauts Code | Return  Code | Reason  Code | Backend  Error Message |
|  |  |  |  |
| **Comments** |  | | |

# Service Properties

|  |  |  |
| --- | --- | --- |
| ***Service Properties*** | | |
| Service Consumer | Element | Value (Default) |
| ALL | Authentication | Authentication  No Authentication (Default) |
| Authorization | Authorization  No Authorization (Default) |
| SLA | SLA  No SLA (Default) |
| Message Dump | Dump Request and Response Message  Dump Request Message  Dump Response Message  No Dump (Default) |
| Message Audit | Audit  No Audit (Default) |
| Message Integrity | Sign Message  Verify Message  Sign/Verify Message  No Sign/Verify (Default) |
| Message confidentiality | Encrypt Message  Decrypt Message  Encrypt/Decrypt Message  No Encrypt/Decrypt (Default) |
| Message Dump Exception | Dump Exception  No Exception Dumping (Default) |
| Message Expiry | |  |  | | --- | --- | | Message | Expiry Period (ms) | | ServiceCanonicalNameRs | None (Default) | |
| Message Persistent | |  |  | | --- | --- | | Message | Persistent Option | | ServiceCanonicalNameRs | AS Q Definition (Default)  Persistent  Not Persistent | |
| Notification Mode | Notify Customer on Success  Notify Customer on Failure  Notify Staff on Exception  None (Default) |
| Retry | |  |  |  | | --- | --- | --- | | Service Provider | Retry Period | Retry Count | | BackendName | 0 (Default) | 0 (Default) | |

## Appendix