S2 - Existing myGov - No Exchange - SSO available

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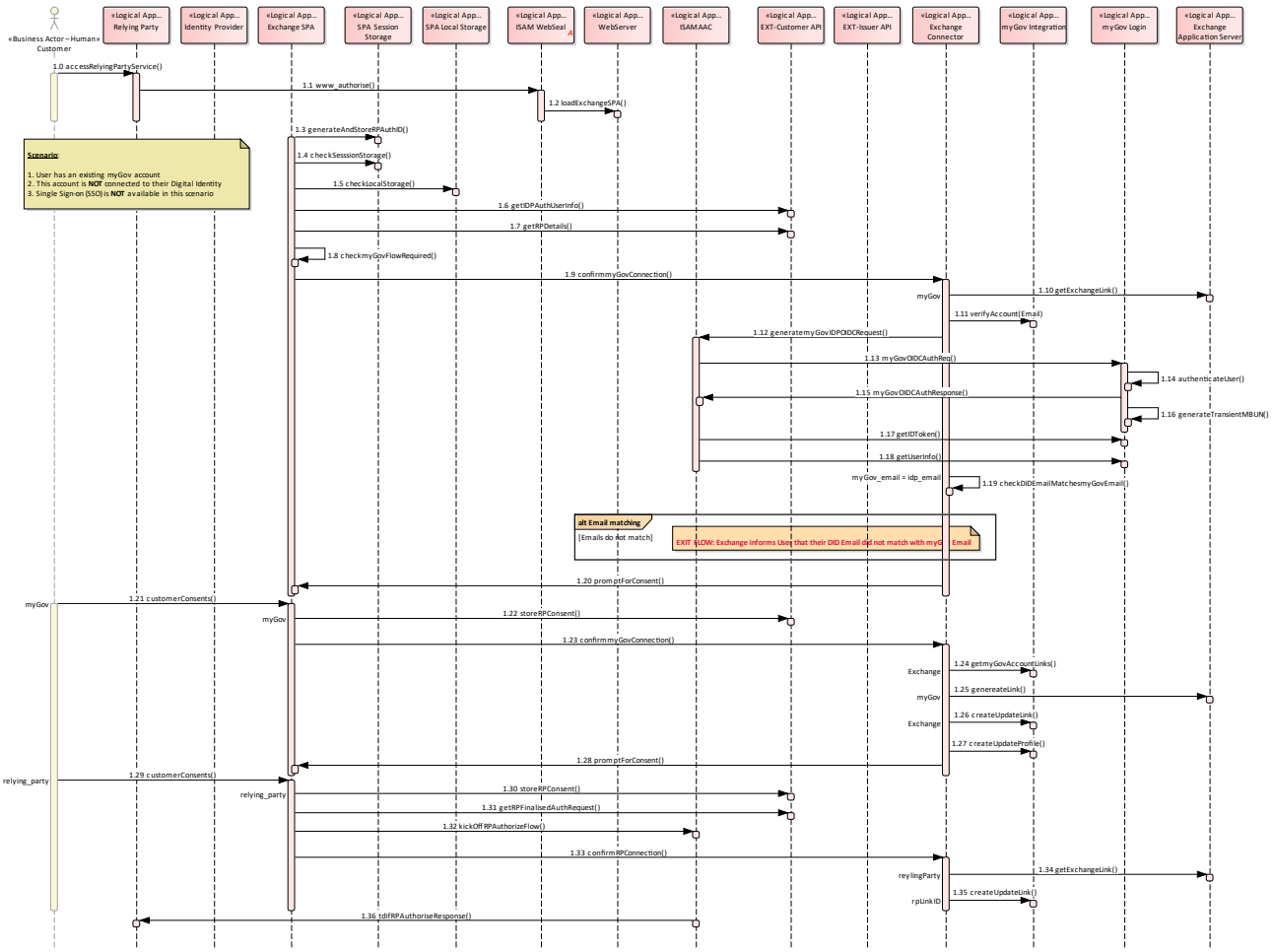

1.0 - accessRelyingPartyService() : (Customer ==> Relying Party)
Description:
Customer Requesting to Access Relying Service.

1.1 - www_authorise() : (Relying Party ==> ISAM WebSeal)
Description: OIDC
Relying party issues an authorize request with the appropriate scope and claims

Request:
https://<<idhub>>/authorise?*response_type*=code&*client_id*=rp&*scope*=openid profile email phone tdif_business_authorisations&*redirect_uri*=<<hostname>>/rp/exchange&*nonce*=<<nonce>>&*state*=<<state>>&*acr_values*=urn:id.gov.au:tdif:acr:ip2:cl2&*claims*={"id_token":{"mygov_linked":{"essential":true}},"userinfo":{"mygov_linked":{"essential":true}}}

Response:
HTTP/1.1 200 OK

1.2 - loadExchangeSPA() : (ISAM WebSeal ==> WebServer)
Description:
Load Exchange SPA Page.

1.3 - generateAndStoreRPAuthID()() : (Exchange SPA ==> SPA Session Storage)
Description: Function
Generate the **RP_AUTH_ID** and store it in session storage

1.4 - checkSesssionStorage() : (Exchange SPA ==> SPA Session Storage)
Description: Function
Check if **ISAM_SSO_JWT** exists in the session storage.

1.5 - checkLocalStorage() : (Exchange SPA ==> SPA Local Storage)
Description: Function
Check if **ISAM_SSO_JWT** exists in the local storage.

1.6 - getIDPAuthUserInfo() : (Exchange SPA ==> EXT-Customer API)
Description: API
Retrieve IDP Auth User Information

Security:
Bearer-Token: **ISAM_LEVEL3_JWT**

Request:
GET: <<idhub>>/api-ext-customer-ui/v1/idpauthentications/<<idp_auth_id>>/<<rp_auth_id>>/userinfo

Response:
HTTP/1.1 200 OK
BODY:
{"idpAuthId":"<<idp_auth_id>>","sessionId":"<<session_id>>","claims":[{"claims"}]}

1.7 - getRPDetails() : (Exchange SPA ==> EXT-Customer API)
Description: API
Retrieve details for a given relying party

Security:
Bearer-Token: **ISAM_LEVEL3_JWT**

Request:
GET: <<idhub>>/api-ext-customer-ui/v1/relyingparty/7

Response:
HTTP/1.1 200 OK

BODY:
{"id":"rp_biz_client",
"name":"DSS GRS",
"description":"Dept Social Services Grants Registration System",
"properties":{"displayName":"Grants Registration Portal",
"serviceName":"Grants Registration Portal"}}

1.8 - checkmyGovFlowRequired() : (Exchange SPA ==> Exchange SPA)
check if {"mygov_linked":{"essential":true}} is present in the Relying Party Authorisation request

1.9 - confirmmyGovConnection() : (Exchange SPA ==> Exchange Connector)
Description: Internal API

Verify and confirm if a link exists between myGov and Exchange for the given user

1.10 - getExchangeLink(reylingParty) : (Exchange Connector ==> Exchange Application Server)
Description: API
Verify if myGov is linked to Exchange

1.11 - verifyAccount() : (Exchange Connector ==> myGov Integration)
Description: API
Verify if the linked account for the given MBUN or EMAIL is active and return the corresponding matching attribute.

Security:
Bearer-Token: **EXCHANGE_MYGOV_JWT**

Request:
GET: /authenticator/verify

Response:
HTTP/1.1 200 OK

BODY:
{"email":"<<email>>"} // if MBUN is passed as the subject
{"MBUN":"<<mbun>>"} // if EMAIL is passed as the subject

1.12 - generatemyGovIDPOIDCRequest() : (Exchange Connector ==> ISAM AAC)

Description: Function
Generate the OIDC Request for myGov Linkable flow

1.13 - myGovOIDCAuthReq() : (ISAM AAC ==> myGov Login)

Description: OIDC
Create OIDC Auth request for myGov Linkable flow
/sso/sps/oidc/rp/IDENTITYHUB/redirect/MYGOVIDP?state=<<state>>&code=<<code>>

1.14 - authenticateUser() : (myGov Login ==> myGov Login)

Description: API
Authenticate the myGov user

1.15 - myGovOIDCAuthResponse() : (myGov Login ==> ISAM AAC)

Description: OIDC response
Send the Auth response to ISAM AAC for myGov Linkable flow

Request:
/sso/sps/oidc/rp/IDENTITYHUB/redirect/MYGOVIDP?state=<<state>>&code=<<code>>

Response:
HTTP/1.1 302
Redirect from IDP

1.16 - generateTransientMBUN() : (myGov Login ==> myGov Login)

1.17 - getIDToken() : (ISAM AAC ==> myGov Login)

Description: API
Obtain the Identity Token from myGov

Security:
Bearer-Token: **EXCHANGE_MYGOV_JWT**

Request:
POST: <<mygov>>/core/connect/token
BODY:
{"code":"<<**mygov_auth_code**>>"}

Response:
200

BODY:

```
{ "mbun": "<<mbun>>",
 "acr": "2",
 "amr": [ "PASSWORD", "SECRET_QUESTION"],
 "gsk": "bV_xyaFIsYBJBkZKMGay7Ot",
 "lt": "permanent"
}
```


1.18 - getUserInfo() : (ISAM AAC ==> myGov Login)

1.19 - checkDiDEmailMatchesmyGovEmail() : (Exchange Connector ==> Exchange Connector)

Description: Internal API

Verify myGov email address with Digital Identity email address

1.20 - promptForConsent() : (Exchange Connector ==> Exchange SPA)

Redirect to SPA to display the consent page

1.21 - customerConsents() : (Customer ==> Exchange SPA)

Description: User Action
Customer provides consent to share details to myGov

1.22 - storeRPConsent() : (Exchange SPA ==> EXT-Customer API)

Description: API
Store Relying Party Consent

Security:
Bearer-Token: **ISAM_LEVEL3_JWT**

Request:
PUT: <<idhub>>/api-ext-customer-ui/v1/rpauthentications/<<rp_auth_id>>/consent

BODY:
```
{"id":"<<rp_auth_id>>",
 "claimConsents":[],
 "abn":"<<abn>>",
 "triggerScope":<<triggerScope>>}
```

Response:
HTTP/1.1 201 Created

1.23 - confirmmyGovConnection() : (Exchange SPA ==> Exchange Connector)

Description: Internal API

Verify and confirm if a link exists between myGov and Exchange for the given user

1.24 - getmyGovAccountLinks() : (Exchange Connector ==> myGov Integration)

Description: API
Verify if a link exists between myGov and the Relying Party (e.g. Exchange)

Security:
Bearer-Token: **EXCHANGE_MYGOV_JWT**

Request:
GET: /accounts/links
PARAM: relyingPartyId

Response:
HTTP/1.1 200 OK

BODY: RelyingPartyLink object
```
{
 "relyingPartyId": "ATO|EXCHGE|...",
 "relyingPartyName": "Australian Taxation Office|myGov Identity Hub|...",
 "relyingPartyLinkDetails": {
   "id": "<<id>>",
   "status": "permanent|transient",
   "created": "<<created>>",
   "lastModified": "<<lastModified>>"
 }
}
```

1.25 - genereateLink(relyingParty) : (Exchange Connector ==> Exchange Application Server)

Generate link for myGov in Exchange

1.26 - createUpdateLink(rpLinkID) : (Exchange Connector ==> myGov Integration)

Description: API
Create a new myGov Relying Party Account Link / MBUN in the myGov system for a given relying party. The user account will be specified by the use of the "sub", "squ" and "sty" claims of the mgv-jwt JWT header

Security:
Bearer-Token: **EXCHANGE_MYGOV_JWT**

Request:
POST (Create): /accounts/links/

BODY: RelyingPartyLink object
```
{
 "relyingPartyId": "ATO|EXCHGE|...",
 "relyingPartyName": "Australian Taxation Office,
 "relyingPartyLinkDetails": {
   "id": "<<id>>",
   "status": "permanent|transient",
   "created": "<<created>>",
   "lastModified": "<<lastModified>>"
 }
}
```

Response:
HTTP/1.1 201 Relying party link successfully created

1.27 - createUpdateProfile() : (Exchange Connector ==> myGov Integration)

Description: API
Create or Update User's myGov profile in myGov

Security:
Bearer-Token: **EXCHANGE_MYGOV_JWT**

Request:

POST (Create): /accounts/profile
PUT (Update): /accounts/profile

BODY: myGov Profile
```
{ "name": {
   "firstName": "string",
   "middleName": "string",
   "lastName": "string"
 },
 "dateOfBirth": "2019-11-05"
}
```

Response:
HTTP/1.1 204 Successfully Created or Updated

1.28 - promptForConsent() : (Exchange Connector ==> Exchange SPA)
Redirect to SPA to display the consent page

1.29 - customerConsents() : (Customer ==> Exchange SPA)
Description: User Action
Customer provides consent to share details to the relying party

1.30 - storeRPConsent() : (Exchange SPA ==> EXT-Customer API)
Description: API
Store Relying Party Consent

Security:
Bearer-Token: **ISAM_LEVEL3_JWT**

Request:
PUT: <<idhub>>/api-ext-customer-ui/v1/rpauthentications/<<rp_auth_id>>/consent

BODY:
```
{"id":"<<rp_auth_id>>",
 "claimConsents":[],
 "abn":"<<abn>>",
 "triggerScope":<<triggerScope>>}
```

Response:
HTTP/1.1 201 Created

1.31 - getRPFinalisedAuthRequest() : (Exchange SPA ==> EXT-Customer API)
Description: API
Retrieve Relying Party Finalised Auth Request

Security: ISAM_LEVEL3_JWT

Request:
GET: <<idhub>>/api-ext-customer-ui/v1/rpauthentications/<<rp_auth_id>>/finalised

Response:
HTTP/1.1 200 OK

BODY:
```
{"rpAuthId":"<<rp_auth_id>>",
 "fullURL":"<<fullURL>>",
 "sessionId":"<<session_id>>"}
```

1.32 - kickOffRPAuthorizeFlow() : (Exchange SPA ==> ISAM AAC)
Description: API
Invoke this API to kickoff the RP Authorise flow

Security:
Bearer-Token: **ISAM_LEVEL3_JWT**

Request:
POST:
<<idhub>>/sso/sps/oauth/oauth20/authorize?response_type=code&client_id=rp_biz_client&scope=<,scope>>&
redirect_uri=<<redirect_uri>>&state=<,state>>&acr_values=<<acr_values>>&prompt=none

Response:
```
{"location":"https://<<idhub>>/proto-rp/exchange?state=<<state>>&code=<<code>>"}
```

1.33 - confirmRPConnection() : (Exchange SPA ==> Exchange Connector)
Description: Internal API

Verify and confirm if a link exists between the Relying Party and Exchange for the given user

1.34 - getExchangeLink(reylingParty) : (Exchange Connector ==> Exchange Application Server)
Description: API
Verify if the RP link exists in Exchange

1.35 - createUpdateLink(rpLinkID) : (Exchange Connector ==> myGov Integration)
Description: API

Create a new myGov Relying Party Account Link / MBUN in the myGov system for a given relying party. The user account will be specified by the use of the "sub", "squ" and "sty" claims of the mgv-jwt JWT header

Security:
Bearer-Token: **EXCHANGE_MYGOV_JWT**

Request:
POST (Create): /accounts/links/

BODY: RelyingPartyLink object

```
{
 "relyingPartyId": "ATO|EXCHGE|...",
 "relyingPartyName": "Australian Taxation Office,
 "relyingPartyLinkDetails": {
   "id": "<<id>>",
   "status": "permanent|transient",
   "created": "<<created>>",
   "lastModified": "<<lastModified>>"
 }
}
```

Response:
HTTP/1.1 201 Relying party link successfully created

1.36 - tdifRPAuthoriseResponse() : (ISAM AAC ==> Relying Party)

Send an authorized response back to the Relying Party along with the RP claims