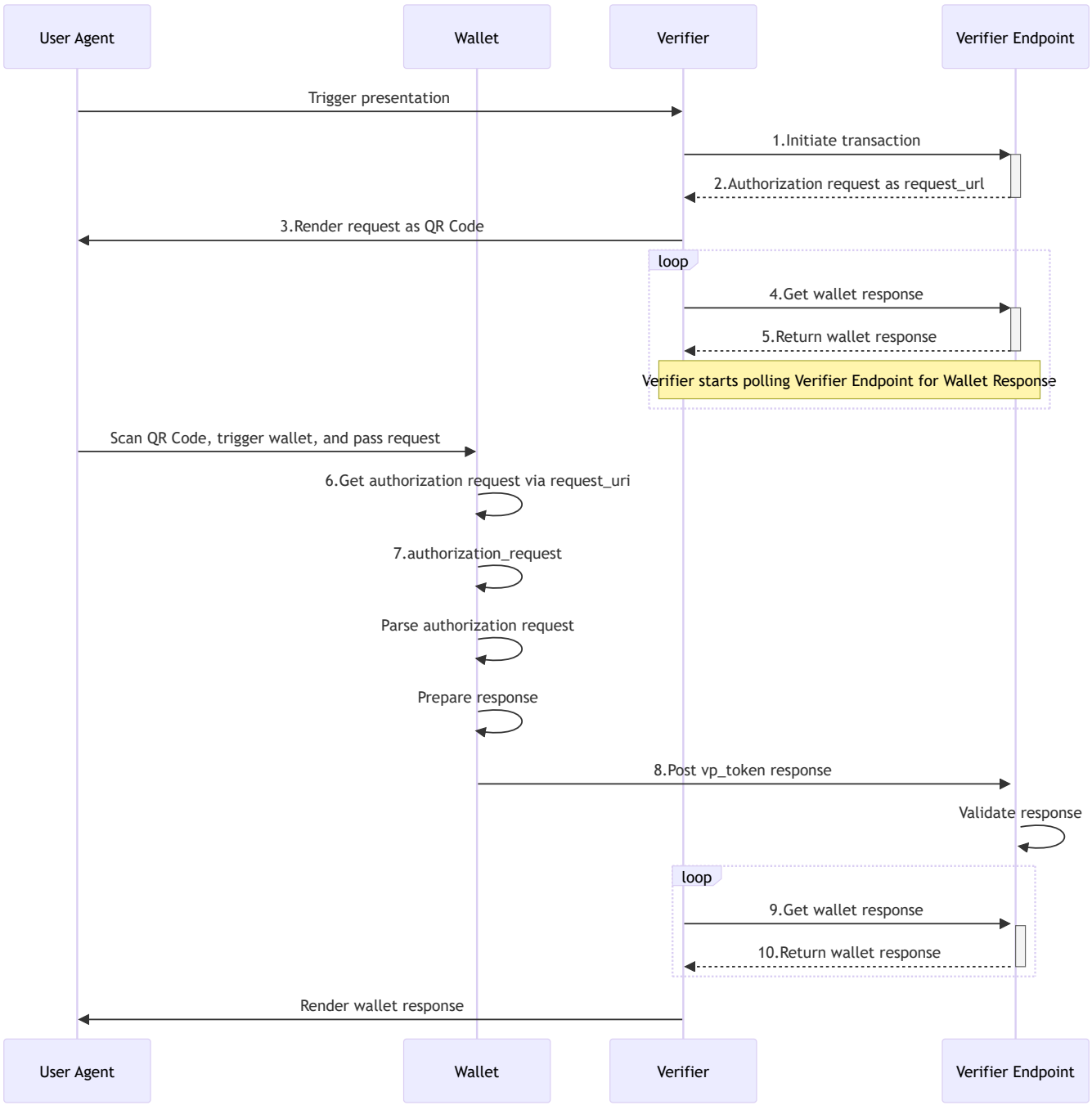
Cross Device Presentation Flows

Sequence



Request / Response parameters

1.Initiate transaction

VerifierからVerifier Endpointに対して、VP提示フローを開始するためのリクエストを送信する。
リクエストパラメータの `type` には `vp_token` 、 `presentation_definition` にはOpenID for Verifiable Presentationsの認可リクエストの項目に記載されているようなJSONオブジェクトを指定する。

(上記以外のリクエストパラメータ、 `vp_token` 以外の `type` の指定については、リンク先を参照)

URL:https://verifier-backend.eudiw.dev/ui/presentations
Method: POST
Parameters:

```
{
   "type": "vp_token",
   "presentation_definition": {
      "id": "32f54163-7166-48f1-93d8-ff217bdb0653",
      "input_descriptors": [
         {
            "id": "eu.europa.ec.eudi.pid.1",
            "name": "EUDI PID",
            "purpose": "We need to verify your identity",
            "format": {
               "mso_mdoc": {
                  "alg": [
                     "ES256",
                     "ES384",
                     "ES512",
                     "EdDSA"
                  ]
               }
            },
            "constraints": {
               "fields": [
                  {
                     "path": ["$['eu.europa.ec.eudi.pid.1']['family_name']"],
                     "intent_to_retain": false
                  }
```

```
            ]
          }
        }
      ]
    },
    "nonce": "6d6baccc-1320-409d-af9b-85b78ad26b45"
}
```


2.Authorization request as request_url

Verifier EndpointからVerifierに認可リクエストを要求するためのURLを返却する。
`presentation_id` はVPの提示フロー完了後、VerifierがVerifier Endpointに対してvp_tokenをリクエストする際に使用する。
`request_uri` は、WalletがVerifier Endpointに対し認可リクエストを要求する際に使用する。

Parameters:


```
{
    "client_id": "verifier-backend.eudiw.dev",
    "presentation_id": "OGewsqiKurZ-FZL-8LXmG4fQa-7y3LqkjfUpzTFoFXbysMxek7dEj-Fl00WxgTeS8g04pObD2bAdYsJVidw22g",
    "request_uri": "https://verifier-backend.eudiw.dev/wallet/request.jwt/z5ll3QbYhYlod8oQwL4l4_YTOu1CWyIggFRfilL3TfvHcBXe8kFUjbWm5ujMfXHng_LUW8dXZ4lCZ-ZLV6VGaw"
}
```


3.Render request as QR Code

Deep linkを使用してWalletを呼び出す。
クエリパラメータにVerifier Endpointから受け取った `request_uri` を含める。

URL: eudi-openid4vp://verifier-backend.eudiw.dev?client_id=verifier-backend.eudiw.dev&request_uri=https%3A%2F%2Fverifier-backend.eudiw.dev%2Fwallet%2Frequest.jwt%2FRFFv1KDRpglR7RMd-YV2iaTGoAvo0jpYFWvftyt7K8l1_HA-FbEZtquV1flCKuGDOepCZ6zPtEXhZeYgXH0_WA

4.Get wallet response

Verifier Endpointに対し、Walletから提示された `vp_token` をリクエストする。
VPの提示が完了するまでループする。

URL: https://verifier-backend.eudiw.dev/ui/presentations/${presentationId}
Method: GET

{presentationId}には以下のような値が指定される:

- J07x7U8L_WCFoif9b--NSLivsi0yRI0uMoaj2i8-vgd1WkxhLu3puYERbmEDqIln1wz4o55kX-TfP0CSAS2xuQ

5.Return wallet response

Walletから提示された `vp_token` をVerifierに返却する。

Parameters:

> {
> "vp_token":
> "o2d2ZXJzaW9uYzEuMGlkb2N1bWVudHOBo2dkb2NUeXBld2V1LmV1cm9wYS5lYy5ldWRpLnBpZC4xbGlzc3VlclNpZ25lZKJqbmFtZVNwYWNlc6F3ZXUuZXVyb3BhLmVjLmV1ZGkucGlkLjGB2BhYiqRmcmFuZG9tWEBD7IgWt8n1lLEwHYu-91-01KQXoYK26x23s5l_fXd1L9-fxA97HcJnQ28MNXW26FXz0aOzk4Hl6aGRjvQExih0aGRpZ2VzdElEGCxsZWxlbWVudFZhbHVlaUFOREVSU1NPTnFlbGVtZW50SWRlbnRpZmllcmtmYW1pbHlfbmFtZWppc3N1ZXJBdXRohEOhASahGCFZAoUwggKBMIICJqADAgECAgkWSuWZAtwFEGQwCgYIKoZIzj0EAwIwWDELMAkGA1UEBhMCQkUxHDAaBgNVBAoTE0V1cm9wZWFuIENvbW1pc3Npb24xKzApBgNVBAMTIkVVIERpZ2l0YWwgSWRlbnRpdHkgV2FsbGV0IFRlc3QgQ0EwHhcNMjMwNTMwMTIzMDAwWhcNMjQwNTI5MTIzMDAwWjBlMQswCQYDVQQGEwJCRTEcMBoGA1UEChMTRXVyb3BlYW4gQ29tbWlzc2lvbjE4MDYGA1UEAxMvRVUgRGlnaXRhbCBJZGVudGl0eSBXYWxsZXQgVGVzdCBEb2N1bWVudCBTaWduZXIwWTATBgcqhkjOPQIBBggqhkjOPQMBBwNCAAR8kxP0waSqTrCz62gRpJlOWd5nmWQxwvOuCl63oQYctli9jDkSbBlZeskN-Z0HjT7zkTujS9ssvGmH0Cfpr538o4HLMIHIMB0GA1UdDgQWBBTRpLEkOTL7RXJymUjyUn2VWKdNLTAfBgNVHSMEGDAWgBQykesOHAEdFA52T2xP6kyWONr7BDAOBgNVHQ8BAf8EBAMCB4AwEgYDVR0lBAswCQYHKIGMXQUBAjAfBgNVHRIEGDAWhhRodHRwOi8vd3d3LmV1ZGl3LmRldjBBBgNVHR8EOjA4MDagNKAyhjBodHRwczovL3N0YXRpY5ldWRpdy5kZXYvcGtpL2NybC9pc28xODAxMy1kcy5jcmwwCgYIKoZIzj0EAwIDSQAwRgIhAN5fmOce9ldSEmvyxLhP3t-B0kPKV7Fb0xiqufHr6z99AiEA_iL3MmtLV1j_Fv6G0zqNjSmIIWnaBJtaXiyAarFHCEhZBd3YGFkF2KZndmVyc2lvbmMxLjBvZGlnZXN0QWxnb3JpdGhtZ1NIQS0yNTZnZG9jVHlwZXdldS5ldXJvcGEuZWMuZXVkaS5waWQuMWx2YWx1ZURpZ2VzdHOhd2V1LmV1cm9wYS5lYy5ldWRpLnBpZC4xuCEYLFggV2ONknxHwN4FoVdEd8GjXM4HaW4E2wPt73vQCLCpTBMYNFggUFmFI5nHQGp-vZBQcTZqSYYLYtmR1FGHF6Kz7b2W790DWCAj_BXrafhQOSCbHtXzohqjsVAtAOxx1oZD0NQ8e3_DxRgoWCAqRDwHCWVEMLbhKCo1cvL2JzaTg2N6pS6Ipm3GZeR9txggWCBffPOvq_Wxjje38IR95d2-

6RH_tjMTkVrWPdW33P2yjRhoWCAW3wXTC21JNn9eJUu7VuxXit1WK7t_ao0A78Nx3i0NnxgtW
CDhsjnHs1Tf2_pbLYipt4ccRjXU4QX34m0rPGquVXCmkRhnWCCrkRa2rzTbTRa9nGT-
_CIgtkyGi0eYo2qPjeiC27dQeRg1WCDaWQTCwKL3bl4QUlmNJ2fh1FNRPDtFWMZB2RAomVW
AdApYIFrYeR4oEM3NXQpaVSzB5lF8nKeGZjZx7loBFn1ulEuLGCJYICUEam92Dhe5ntfyz_gkan9
VnfCjf5tPxoAqnc7hGMmhGDJYIJMjaK5SqQbpAhmL5YLTFUiadT8t9zaAi9A2946ukicnCFgg4X8d
_gUmENWFBhgNeop9MuPqEPm-
1HZOV_CHJmA008gYL1ggsPzL7nStO4QXsVBAZoPD1T3XlWwc7DAsFLwAMI68vdsFWCA86V
OLSRG7fTBDHDuHa3K9asHt-
c5k0toJPn5dD0_4ABgpWCBLaHpakefww77y4wFnwWKJ_V9NiUUoBirEOQ0ZndoHHhgfWCAbT
koCZOtyab2YhgBcrU2NtVkWXe7OukA4CB_BoXtklBghWCCHBuxK8zoqwnyZYwURrPJB_ku4ulJ
KRJFw4eQ8IS2_sxgjWCAhfUSVglAttIr9U-dqRVRykpvOgmm-
z2CC3nl8fLjseRguWCABTrc6U40qvaFL8zZKfBV5nDm32v1wh_EkteZfDqi2bhgeWCCg5JTxcVku
8wpK795qPUfVsc8nmJKl8aptjZyW58QTMQJYIH3KfNLaK9_gm2tkarVfK2Fd9UX0dyH4H1EofXZ
P_Ne5GCRYIJKpEhGniVmxePe72-
7Ee3ImCKtpwkASaLGJr73DJXOkGDBYIGthxWet1WcTftfgIHT0rhwvlmxphlikec2AMQO57jSfGCd
YIKBvQlRou9WaiTZK7xQbNjptRZPLm3xMPm3c-
vUf5XxSCVggjYkqB_kU4TF3ZzmwF7Ur2C1cbIHyKsCgWZa7tBsu960YHFggsMYBwyDwIx2813p
Ai6XYxQsqES_OdRdaG93DRBhpd_AMWCDxUx_Rgae7pGAh7wORHS_MchpUT7awpGSo5bm
xJwI_0wdYIC6slsqIGSTwaBWv73EtMNjREEM3ctvZiDeTIDPEp8mABlgga9Cak4sUk-
bW2mF5p7yjvY6p6fDXnLVc8a-dqy5LvVIYK1ggD6dP4_y5Y9bqHQS-
8UVx5OZNwagKmGO7WSVtzG5qfbgYJVggi-tGu93YTGId6e1bo4SkttFxyKCQIyeoDhbntMp-
uB0YGlggz7MzWGILkS-
jslJjIp8fsxNw2RNgHLyxuPEv0aZwVrJtZGV2aWNlS2V5SW5mb6FpZGV2aWNlS2V5pAECIAEhW
CDyzK-j7XWDGfemlMR9Gr9umtz-
c7BdSo5uJvRsXqnlDiJYIHI3OjcMWdNlED54AxG510DvGgEJfvbyFxNVUMQ0v1dfbHZhbGlkaXR
5SW5mb6Nmc2lnbmVkwHQyMDI0LTA2LTE3VDA5OjM0OjEzWml2YWxpZEZyb23AdDIwMjQtM
DYtMTdUMDk6MzQ6MTNaanZhbGlkVW50aWzAdDIwMjUtMDYtMTdUMDk6MzQ6MTNaWEDzg
Fgr10svScW9rIPmzHRWK52rngsy7-EF3g0XwFhL0ivs81e-
Mqf5RkjdKrB1uw1Wzig1Q6y2ADX1CnwP8_ZabGRldmljZVNpZ25lZKJqbmFtZVNwYWNlc9gYQa
BqZGV2aWNlQXV0aKFvZGV2aWNlU2lnbmF0dXJlhEOhASag9lhAxf_gSiEiJrcFWETl0KGUpIpvJ
A6FHayh1FmEu6e5NZyjzg0NgnEXHZ8SrxX8tSTK1xGWFsVRm8AvY37z3icrzmZzdGF0dXMA",

```
  "presentation_submission": {
    "id": "2B43A5EF-3B18-4A5E-A649-EB3EF659347A",
    "definition_id": "32f54163-7166-48f1-93d8-ff217bdb0653",
    "descriptor_map": [
      {
        "id": "eu.europa.ec.eudi.pid.1",
        "format": "mso_mdoc",
```

```
            "path": "$"
          }
        ]
      }
    }
```


6.Get authorization request via request_uri

Verifier Endpointに対して認可リクエストを要求する。
URLには `request_uri` を指定する。

URL: https://verifier-backend.eudiw.dev/wallet/request.jwt/{transactionId}
Method: GET

{transactionId}には以下のような値が指定される:

- NVeIFA4rT0FRvXYwQ48re6b7RTH990rTrYSVAJhsCNqaaotM6XNQH8zMJMEN3rPKiJXw4xL7FRgkHzDaHytXf

7.authorization_request

Verifier EndpointからWalletに対し認可リクエストを返却する。
パラメータはJWT形式で返却される。
下記は、返却されたJWT形式のパラメータとJWTのヘッダーとペイロードをデコードしたもの。

Raw Parameters:


```
eyJ4NWMiOlsiTUlJREtqQ0NBckNnQXdJQkFnSVVmeTI1NlNMdGdOdWY5UFhZYmgvUURxdVh6NTB3Q2dZSUtvWkl6ajBFQXdJd1hERWVNQndHQTFVRUF3d1ZVRWxFSUVsemMzVmxjaUJEUVNBdElGVlVJREF4TVMwd0t3WURWUVFLRENSRlZVUkpJRmRoYkd4bGRDQlNaV1psY21WdVkyVWdTVzF3YkdWdFpXNTBZWFJwYjI0eEN6QUpCZ05WQkFZVEFsVlVNQjRYRFRJME1ESXlOakF5TXpZek0xb1hEVEkyTURJeU5UQXlNell6TWxvd2FURWRNQnNHQTFVRUF3d1VSVlZFU1NCU1pXMXZkR1VnVm1WeWFXWnBaWEI4RERBS0JnTlZCQVVUQXpBd01URXRNQ3NHQTFVRUNnd2tSVlZFU1NCWFlXeHNaWFFnVW1WbVpYSmxibU5sSUVsdGNHeGxiV1Z1ZEdGMGFXOXVNUXN3Q1FZRFZRUUdEd0pWVXpFTk1Bc0dBMUVCQXdRRVEzQTVNREE4veUNTYmdiRndwaXZQWVdMekV2SUxOdGRDdjdUeDFFc3hQQ3hCcDNEWkl0RklyNEJsbVZZdEdhVWJvVklpaFJCaVFEbzNNcFdpamdnRkJNSUlCUFRBTUJnTlZIUk1CQWY4RUFqQUFNQjhHQTFVZEl3UVlNQmFBRkxOc3VKRVhlTmVrR21ZeGgwTGhpOEJBekpVYk1DVUdBMVVkRVFRZU1CeUNHblpsY21sbWFXVnlMV0poWTJ0bGJtUXVaWFZrYVhjdVpHVjJNQklHQTFVZEpRUUxNQWtHQnlpQmpGMEZBUVl3UXdZRFZSMGZCRHd3T2pB
```

NG9EYWdOSVl5YUhSMGNITTZMeTl3Y21Wd2NtOWtMbkJyYVM1bGRXUnBkeTVrWlhZdlkzSn
NMM0JwWkY5RFFWOVZWRjh3TVM1amNtd3dIUVlEVlIwT0JCWUVGRmdtQWd1QlN2U25tNjha
em81SVN0SXYyZk0yTUE0R0ExVWREd0VCL3dRRUF3SUhnREJkQmdOVkhSSUVWakJVaGxK
b2RIUndjem92TDJkcGRHaDFZaTVqYjIwdlpYVXRaR2xuYVhSaGJDMXBaR1Z1ZEdsMGVTMTN
ZV3hzWlhRdllYSmphR2wwWldOMGRYSmxMV0Z1WkMxeVpXWmxjbVZ1WTJVdFpuSmhiV1Yz
YjNKck1Bb0dDQ3FHU000OUJBTUNBMmdBTUdVQ01RREdmZ0xLbmJLaGlPVkYzeFNVMGFla
nUvbmVHUVVWdU5ic1F3MExlRER3SVcrckxhdGViUmdvOWhNWERjM3dybFVDTUFJWnlKN2x
SUlZleU1yM3dqcWtCRjJsOVliMHdPUXBzblpCQVZVQVB5STV4aFdYMlNBYXpvbTJKanNOL2F
LQWtRPT0iLCJNSUlESFRDQ0FxT2dBd0lCQWdJVVZxamd0SnFmNGhVWUprcWRZemkrMHh3
aHdGWXdDZ1lJS29aSXpqMEVBd013WERFZU1Cd0dBMVVFQXd3VlVFbEVJRWx6YzNWbGNp
QkRRU0F0SUZWVUlEQXhNUzB3S3dZRFZRUUtEQ1JGVlVSSklGZGhiR3hsZENCU1pXWmxjb
VZ1WTJVZ1NXMXdiR1Z0Wlc1MFlYUnBiMjR4Q3pBSkJnTlZCQVlUQWxWVU1CNFhEVEl6TURr
d01URTRNelF4TjFvWERUTXlNVEV5TnpFNE16UXhObG93WERFZU1Cd0dBMVVFQXd3VlVFb
EVJRWx6YzNWbGNpQkRRU0F0SUZWVUlEQXhNUzB3S3dZRFZRUUtEQ1JGVlVSSklGZGhiR
3hsZENCU1pXWmxjbVZ1WTJVZ1NXMXdiR1Z0Wlc1MFlYUnBiMjR4Q3pBSkJnTlZCQVlUQWx
WVU1IWXdFQVIIS29aSXpqMENBUVlGSzRFRUFDSURZZ0FFRmc1U2hmc3hwNVIvVUZJRUtT
M0wyN2R3bkZobmpTZ1VoMmJ0S09RRW5mYjNkb3llcU1BdkJ0VU1sQ2xoc0YzdWVmS2luQ3c
wOE5CMzFyd0MrZHRqNlgvTEUzbjJDOWpST0lVTjhQcm5sTFM1UXM0UnM0WlU1T0lnenRvYU
84RzlvNElCSkRDQ0FTQXdFZ1lEVlIwVEFRSC9CQWd3QmdFQi93SUJBREFmQmdOVkhTTUV
HREFXZ0JTemJMaVJGeHpYcEJwbU1ZZEM0WXZBUU15Vkd6QVdCZ05WSFNVQkFmOEVER
EFLQmdncmdRSUNBQUFCQnpCREJnTlZIUjhFUERBNk1EaWdOcUEwaGpKb2RIUndjem92TD
NCeVpYQnliMlF1Y0d0cExtVjFaR2wzTG1SbGRpOWpjbXd2Y0dsa1gwTkJYMVZVWHpBeExtTnli
REFkQmdOVkhRNEVGZ1FVczJ5NGtSY2MxNlFhWmpHSFF1R0x3RURNbFJzd0RnWURWUjB
QQVFIL0JBUURBZ0VHTUYwR0ExVWRFZ1JXTUZTR1VtaDBkSEJ6T2k4dloybDBhSFZpTG1Od
mJTOWxkUzFrYVdkcGRHRnNMV2xrWlc1MGFYUjVMWGRoYkd4bGRDOWhjbU5vYVhSbFkzUj
FjbVV0WVc1a0xYSmxabVZ5Wlc1alpTMW1jbUZ0WlhkdmNtc3dDZ1lJS29aSXpqMEVBd01EYUF
Bd1pRSXdhWFVBM2orK3hsL3RkRDc2dFhFV0Npa2ZNMUNhUno0dnpCQzdOUzB3Q2RJdEtpej
ZlWmVWOEVQdE5DbnNmS3BOQWpFQXFyZGVLRG5yNUt3ZjhCQTd0QVRlaHhObE9WNEhu
YzEwWE8xWFVMdGlnQ3diNDlScGtxbFMySHVsK0RwcU9iVXMiXSwidHlwIjoib2F1dGgtYXV0aH
otcmVxK2p3dCIsImFsZyI6IkVTMjU2In0.eyJyZXNwb25zZV91cmkiOiJodHRwczovL3ZlcmlmaWVy
LWJhY2tlbmQuZXVkaXcuZGV2L3dhbGxldC9kaXJlY3RfcG9zdCIsImNsaWVudF9pZF9zY2hlbWU
iOiJ4NTA5X3Nhbl9kbnMiLCJyZXNwb25zZV90eXBlIjoidnBfdG9rZW4iLCJub25jZSI6ImQ3OTkzN
DdlLWE5ZWYtNDNhMi1hYTIwLWRkODA3MzlkNTMzZCIsImNsaWVudF9pZCI6InZlcmlmaWVyL
WJhY2tlbmQuZXVkaXcuZGV2IiwicmVzcG9uc2VfbW9kZSI6ImRpcmVjdF9wb3N0Lmp3dCIsImF1
ZCI6Imh0dHBzOi8vc2VsZi1pc3N1ZWQubWUvdjIiLCJzY29wZSI6IiIsInByZXNlbnRhdGlvbl9kZWZ
pbml0aW9uIjp7Imlkljoi MzJmNTQxNjMtNzE2Ni00OGYxLTkzZDgtZmYyMTdiZGIwNjUzIiwiaW5wd
XRfZGVzY3JpcHRvcnMiOlt7Imlkljoi ZXUuZXVyb3BhLmVjLmV1ZGkucGlkLjEiLCJuYW1lIjoiRVVE
SSBQSUQiLCJwdXJwb3NlIjoiV2UgbmVlZCB0byB2ZXJpZnkgeW91ciBpZGVudGl0eSIsImZvcm1

hdCI6eyJtc29fbWRvYyI6eyJhbGciOlsiRVMyNTYiLCJFUzM4NCIsIkVTNTEyIiwiRWREU0EiLCJF
U0IyNTYiLCJFU0IzMjAiLCJFU0IzODQiLCJFU0I1MTIiXX19LCJjb25zdHJhaW50cyI6eyJmaWVsZ
HMiOlt7InBhdGgiOlsiJFsnZXUuZXVyb3BhLmVjLmV1ZGkucGlkLjEnXVsnZmFtaWx5X25hbWUn
XSJdLCJpbnRlbnRfdG9fcmV0YWluIjpmYWxzZX0seyJwYXRoIjpbIiRbJ2V1LmV1cm9wYS5lYy5ld
WRpLnBpZC4xJ11bJ2dpdmVuX25hbWUnXSJdLCJpbnRlbnRfdG9fcmV0YWluIjpmYWxzZX0sey
JwYXRoIjpbIiRbJ2V1LmV1cm9wYS5lYy5ldWRpLnBpZC4xJ11bJ2JpcnRoX2RhdGUnXSJdLCJpb
nRlbnRfdG9fcmV0YWluIjpmYWxzZX0seyJwYXRoIjpbIiRbJ2V1LmV1cm9wYS5lYy5ldWRpLnBpZC4
xJ11bJ2FnZV9vdmVyXzE4J10iXSwiaW50ZW50X3RvX3JldGFpbiI6ZmFsc2V9LHsicGF0aCI6
WyIkWydldS5ldXJvcGEuZWMuZXVkaS5waWQuMSdddWydhZ2VfaW5feWVhcnMnXSJdLCJpbnR
lbnRfdG9fcmV0YWluIjpmYWxzZX0seyJwYXRoIjpbIiRbJ2V1LmV1cm9wYS5lYy5ldWRpLnBpZC4
xJ11bJ2FnZV9iaXJ0aF95ZWFyJ10iXSwiaW50ZW50X3RvX3JldGFpbiI6ZmFsc2V9LHsicGF0aCI
6WyIkWydldS5ldXJvcGEuZWMuZXVkaS5waWQuMSdddWydmYW1pbHlfbmFtZV9iaXJ0aCddIl0sI
mludGVudF90b19yZXRhaW4iOmZhbHNlfSx7InBhdGgiOlsiJFsnZXUuZXVyb3BhLmVjLmV1ZGku
cGlkLjEnXVsnZ2l2ZW5fbmFtZV9iaXJ0aCddIl0sImludGVudF90b19yZXRhaW4iOmZhbHNlfSx7In
BhdGgiOlsiJFsnZXUuZXVyb3BhLmVjLmV1ZGkucGlkLjEnXVsnYmlydGhfcGxhY2UnXSJdLCJpb
nRlbnRfdG9fcmV0YWluIjpmYWxzZX0seyJwYXRoIjpbIiRbJ2V1LmV1cm9wYS5lYy5ldWRpLnBpZC4
xJ11bJ2JpcnRoX2NvdW50cknXSJdLCJpbnRlbnRfdG9fcmV0YWluIjpmYWxzZX0seyJwYXRo
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Decoded Parameters:

Header

{
  "x5c": [
    "MIIDKjCCArCgAwIBAgIUfy9u6SLtgNuf9PXYbh/QDquXz50wCgYIKoZIzj0EAwIwXDEeMBw
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DTI2MDIyNTAyMzYzMlowaTEdMBsGA1UEAwwURVVESSBSZW1vdGUgVmVyaWZpZXIxDDAK
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```
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KpNAjEAqrdeKDnr5Kwf8BA7tATehxNlOV4Hnc10XO1XULtigCwb49RpkqlS2Hul+DpqObUs"
    ],
    "typ": "oauth-authz-req+jwt",
    "alg": "ES256"
}
```


Payload


```
{
    "response_uri": "https://verifier-backend.eudiw.dev/wallet/direct_post",
    "client_id_scheme": "x509_san_dns",
    "response_type": "vp_token",
    "nonce": "d799347e-a9ef-43a2-aa20-dd80739d533d",
    "client_id": "verifier-backend.eudiw.dev",
    "response_mode": "direct_post.jwt",
    "aud": "https://self-issued.me/v2",
    "scope": "",
    "presentation_definition": {
        "id": "32f54163-7166-48f1-93d8-ff217bdb0653",
        "input_descriptors": [
            {
                "id": "eu.europa.ec.eudi.pid.1",
```

```
            "name": "EUDI PID",
            "purpose": "We need to verify your identity",
            "format": {
              "mso_mdoc": {
                "alg": [
                  "ES256",
                  "ES384",
                  "ES512",
                  "EdDSA"
                ]
              }
            },
            "constraints": {
              "fields": [
                {
                  "path": ["$['eu.europa.ec.eudi.pid.1']['family_name']"],
                  "intent_to_retain": false
                }
              ]
            }
          }
        ]
    },
    "state":
"Yv5vzwJGfjJYmR9xhpn5dbQOdUBMGix7LbYYHB6TaUFbUsMYnXgHdhgd8MB1FEz1fyhUNUc
0zeyWR9tyqDSQNw",
    "iat": 1719539560,
    "client_metadata": {
      "authorization_encrypted_response_alg": "ECDH-ES",
      "authorization_encrypted_response_enc": "A128CBC-HS256",
      "id_token_encrypted_response_alg": "RSA-OAEP-256",
      "id_token_encrypted_response_enc": "A128CBC-HS256",
      "jwks_uri": "https://verifier-
backend.eudiw.dev/wallet/jarm/Yv5vzwJGfjJYmR9xhpn5dbQOdUBMGix7LbYYHB6TaUFbUsMYn
XgHdhgd8MB1FEz1fyhUNUc0zeyWR9tyqDSQNw/jwks.json",
      "subject_syntax_types_supported": ["urn:ietf:params:oauth:jwk-thumbprint"],
      "id_token_signed_response_alg": "RS256"
```

```
  }
}
```

8.Post vp_token response

WalletからVerifier Endpointに対して認可リクエストのレスポンスを送信する。
`state` は認可リクエストのJWTに含まれていた値。
`response` は `vp_token` や `presentation_submission` (Verifierが要求しているクレデンシャルと `vp_token` に含まれるクレデンシャルのマッピング情報)を含む暗号化JWT(JWE)。

URL: https://verifier-backend.eudiw.dev/wallet/direct_post
Method: POST
Parameters:


```
{
  "state":
"Yv5vzwJGfjJYmR9xhpn5dbQOdUBMGix7LbYYHB6TaUFbUsMYnXgHdhgd8MB1FEz1fyhUNUc
0zeyWR9tyqDSQNw",
  "response":
"eyJraWQiOiIxMGQwNDNhNy04NGE2LTRmOTUtYTYxZi00OGVlNGVjOGNkNmMiLCJlcGsiOnsi
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kLJnA8A5gcGZk_FgacSP6u_uuUxPIji8ZhyNkF7p72rRR3RT-
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```

dNWiHZElbsUgYH-
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}

9.Get wallet response

4.と同様

10.Return wallet response

5.と同様