

Full url:

<https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2>

=====All Claims=====

```
Array
(
    [id_token_encryption_alg_values_supported] => Array
        (
            [0] => RSA1_5
            [1] => RSA-OAEP
            [2] => RSA-OAEP-256
            [3] => A128KW
            [4] => A192KW
            [5] => A256KW
            [6] => ECDH-ES
            [7] => ECDH-ES+A128KW
            [8] => ECDH-ES+A192KW
            [9] => ECDH-ES+A256KW
        )

    [id_token_encryption_enc_values_supported] => Array
        (
            [0] => A128CBC-HS256
            [1] => A192CBC-HS384
            [2] => A256CBC-HS512
            [3] => A128GCM
            [4] => A192GCM
            [5] => A256GCM
        )

    [token_endpoint_auth_methods_supported] => Array
        (
            [0] => client_secret_post
            [1] => client_secret_basic
            [2] => client_secret_jwt
            [3] => private_key_jwt
        )

    [userinfo_signing_alg_values_supported] => Array
        (
            [0] => RS256
            [1] => RS384
            [2] => RS512
            [3] => ES256
            [4] => ES384
            [5] => ES512
            [6] => HS256
            [7] => HS384
            [8] => HS512
            [9] => PS256
            [10] => PS384
            [11] => PS512
            [12] => none
        )

    [response_types_supported] => Array
        (
            [0] => code
            [1] => token
            [2] => id_token
            [3] => code token
            [4] => code id_token
            [5] => id_token token
            [6] => code token id_token
            [7] => none
        )

    [token_endpoint] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2/token
    [jwks_uri] => https://agaton-sax.com:8080/static/jwks_VqRG2bsztzC4Upa.json
    [userinfo_endpoint] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2/userinfo
    [token_endpoint_auth_signing_alg_values_supported] => Array
        (
            [0] => RS256
            [1] => RS384
            [2] => RS512
            [3] => ES256
            [4] => ES384
            [5] => ES512
            [6] => HS256
            [7] => HS384
            [8] => HS512
            [9] => PS256
            [10] => PS384
            [11] => PS512
        )

    [scopes_supported] => Array
        (
            [0] => profile
            [1] => address
        )
)
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[2] => email
[3] => offline_access
[4] => openid
[5] => phone
[6] => openid
)

[claim_types_supported] => Array
(
    [0] => normal
    [1] => aggregated
    [2] => distributed
)

[request_object_encryption_alg_values_supported] => Array
(
    [0] => RSA1_5
    [1] => RSA-OAEP
    [2] => RSA-OAEP-256
    [3] => A128KW
    [4] => A192KW
    [5] => A256KW
    [6] => ECDH-ES
    [7] => ECDH-ES+A128KW
    [8] => ECDH-ES+A192KW
    [9] => ECDH-ES+A256KW
)

[grant_types_supported] => Array
(
    [0] => authorization_code
    [1] => implicit
    [2] => urn:iETF:params:oauth:grant-type:jwt-bearer
    [3] => refresh_token
)

[metadata_statements] => Array
(
    [https://edugain.com] => eyJhbGciOiJSUzI1NiIsImtpZCI6Imc0V014VnJsRUhWTjF0THpiS01XR243NVpPY0NVbGZlWlRoVy13aDI3Y00ifQ.eyJpZF90b
)

[userinfo_encryption_alg_values_supported] => Array
(
    [0] => RSA1_5
    [1] => RSA-OAEP
    [2] => RSA-OAEP-256
    [3] => A128KW
    [4] => A192KW
    [5] => A256KW
    [6] => ECDH-ES
    [7] => ECDH-ES+A128KW
    [8] => ECDH-ES+A192KW
    [9] => ECDH-ES+A256KW
)

[response_modes_supported] => Array
(
    [0] => query
    [1] => fragment
    [2] => form_post
)

[acr_values_supported] => Array
(
    [0] => PASSWORD
)

[end_session_endpoint] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2/end_session
[claims_supported] => Array
(
    [0] => zoneinfo
    [1] => address
    [2] => email
    [3] => family_name
    [4] => locale
    [5] => phone_number
    [6] => website
    [7] => preferred_username
    [8] => sub
    [9] => name
    [10] => birthdate
    [11] => given_name
    [12] => profile
    [13] => phone_number_verified
    [14] => middle_name
    [15] => email_verified
    [16] => picture
    [17] => updated_at
    [18] => gender
    [19] => nickname
)
```

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[request_parameter_supported] => 1
[request_object_signing_alg_values_supported] => Array
(
    [0] => RS256
    [1] => RS384
    [2] => RS512
    [3] => ES256
    [4] => ES384
    [5] => ES512
    [6] => HS256
    [7] => HS384
    [8] => HS512
    [9] => PS256
    [10] => PS384
    [11] => PS512
    [12] => none
)

[subject_types_supported] => Array
(
    [0] => public
    [1] => pairwise
)

[registration_endpoint] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2/registration
[version] => 3.0
[id_token_signing_alg_values_supported] => Array
(
    [0] => RS256
    [1] => RS384
    [2] => RS512
    [3] => ES256
    [4] => ES384
    [5] => ES512
    [6] => HS256
    [7] => HS384
    [8] => HS512
    [9] => PS256
    [10] => PS384
    [11] => PS512
    [12] => none
)

[require_request_uri_registration] => 1
[claims_parameter_supported] => 1
[issuer] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2
[request_object_encryption_enc_values_supported] => Array
(
    [0] => A128CBC-HS256
    [1] => A192CBC-HS384
    [2] => A256CBC-HS512
    [3] => A128GCM
    [4] => A192GCM
    [5] => A256GCM
)

[request_uri_parameter_supported] => 1
[userinfo_encryption_enc_values_supported] => Array
(
    [0] => A128CBC-HS256
    [1] => A192CBC-HS384
    [2] => A256CBC-HS512
    [3] => A128GCM
    [4] => A192GCM
    [5] => A256GCM
)

[authorization_endpoint] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2/authorization
)

=====Keys Bundle=====
eyJhbGciOiJSUzI1NiIsImtpZCI6ImNabVpUZ05aVzgz4SEE1RTRBNHJFMnY2bzBmMjFKYXlsMDNfSkJHOGphTE0ifQ.eyJpYXQiOiAxNTA1NDU3OTE3LCAiYnVuZGxlIjogeyJodH
=====SIGKEY=====

=====JWKSet (SigKey)=====
Jose\Object\JWKSet Object
(
    [keys:protected] => Array
        (
            [0] => Jose\Object\JWK Object
                (
                    [values:Jose\Object\JWK:private] => Array
                        (
                            [kid] => cZmZTgNZW88HA5E4A4rE2v6o0f21Jayl03_JBG8jaLM
                            [kty] => RSA
                            [use] => sig
                            [n] => tWnoScLrb8SDkPwMwfv66vHq1eCAWsCvyEhXmcchTrKGaZ2uT97H3LanmW91Go24UB-A7ue3r9LP0WTGw3WLknxcYkeDaU0dy5bD
                            [e] => AQAB
                        )
                )
        )
)

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[1] => Jose\Object\JWK Object
(
    [values:Jose\Object\JWK:private] => Array
        (
            [kty] => EC
            [crv] => P-256
            [y] => I9b9dD0SfUp2C-0S0mE1bHgRJ0EFUkcmxRU48wR32K0
            [use] => sig
            [x] => Efy9Ve_JP60eakR7XUvw3F1yh4TxaMS2TsFlcgK_dUc
            [kid] => B0TBUjumBZrm1ZmHsS1Q-Pz57pLc-A6G2vhE88f3l3U
        )
    )
)

[position:Jose\Object\JWKSet:private] => 0
)

=====Verify (Keys Bundle) signature result=====
Jose\Object\JWS Object
(
    [is_payload_detached:Jose\Object\JWS:private] =>
    [encoded_payload:Jose\Object\JWS:private] => eyJpYXQiOiAxNTA1NDU3OTE3LCAiYnVuZGxlIjojeyJodHRwczovL3d3dy5mZWlkZS5ubyI6IHsia2V5cyI6IFt7
    [signatures:Jose\Object\JWS:private] => Array
        (
            [0] => Jose\Object\Signature Object
                (
                    [encoded_protected_headers:Jose\Object\Signature:private] => eyJhbGciOiJSUzI1NiIsImtpZCI6ImNabVpUZ05aVzg4SEE1RTRBNHJF
                    [protected_headers:Jose\Object\Signature:private] => Array
                        (
                            [alg] => RS256
                            [kid] => cZmZTgNZW88HA5E4A4rE2v6o0f21Jayl03_JBG8jaLM
                        )
                    [headers:Jose\Object\Signature:private] => Array
                        (
                        )
                    [signature:Jose\Object\Signature:private] => "5Pw1L;4^{}>
<aZysI_ycVfix>luDE8 Hr>@|LΠo'z>p8>{ fi0fiZw. "XtM1Gsr:/4R_ br
ZH~i
*_
j>0σ?.QasRs+u'[-]κ

                [signature_key:Jose\Object\Signature:private] =>
            )
        )
    )

[payload:Jose\Object\JWS:private] => Array
    (
        [iat] => 1505457917
        [bundle] => Array
            (
                [https://www.feide.no] => Array
                    (
                        [keys] => Array
                            (
                                [0] => Array
                                    (
                                        [kid] => rYMbPo0m8coyar99IuueCmw0zj-Jfw_iUixIPJXVSb4
                                        [kty] => RSA
                                        [use] => sig
                                        [n] => 0KYqihtkUYCoPtcaSN-PkofcGBhSsLbC5_rsDLtdP6dJJDeEgSsLi2LHUJsG_CRmP2ao_csWqPf4yx4ituNZzQ
                                        [e] => AQAB
                                    )
                                [1] => Array
                                    (
                                        [kty] => EC
                                        [crv] => P-256
                                        [y] => FvnRLMiWCIEQ0tQ_IIwPqfoTpVAnUJ1MWucU6jtRWnA
                                        [use] => sig
                                        [x] => 5t2Aar9dGt6DhcQHH6h-VZRwMkF6LLXLDco7LInERL0
                                        [kid] => D83wp7iqD74HCE8oA6AlyHW6vVJvjMd1j_NgLavags
                                    )
                                )
                            )
                    )
                [https://example.org/op] => Array
                    (
                        [keys] => Array
                            (
                                [0] => Array
                                    (
                                        [kid] => j2HoeEz5f4U8KkWW1a6tJ5SXJCfx0TTN6vL7jE7ZpJ4
                                        [kty] => RSA

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        [use] => sig
        [n] => t0L_IJGiE6McN0f16GeR5ZiR8W0jb_pzJErQtRm3xpsbHRRBuYSLYM0ea4R-eZvU8X9G7J9qVeYZ6ILZ2pS2TS
        [e] => AQAB
    )

    [1] => Array
    (
        [kty] => EC
        [crv] => P-256
        [y] => CFSdvlmJkhLq1TMkmw8sLkfWzHhJqLcdqnM7a-geBuc
        [use] => sig
        [x] => 1sEpNSicJNoLci4TBJ1bTCW-zmKSPuKB6irwhHtFopE
        [kid] => c5DIPFhC3LmNoiWAX1Qu-La3tvFbQ4uZq_VbrTp0WbM
    )

    )

    )

[https://example.com] => Array
(
    [keys] => Array
    (
        [0] => Array
        (
            [kid] => 7TnWOKF0Znlsf-ok08w7oFL474A4IuxOQqwSI1z3MS4
            [kty] => RSA
            [use] => sig
            [n] => otD_zD70kTHNMKF-SxbB_u9_v4edwGB3vKRfF2WnR2Cq4qqfFEJPb_KuISoiHstSpSgHgs7EDL2P9_0RQcgip_
            [e] => AQAB
        )

        [1] => Array
        (
            [kty] => EC
            [crv] => P-256
            [y] => iah0yb361kjkx9jW82dKiPBbzmlbdh0Grw5deoruMIA
            [use] => sig
            [x] => _vTc68Qzjye3BAjBxuP3AwCPWDAK2jKM_7dvoFZgwPQ
            [kid] => OAP6u4sbyKjnaA13vFdAAW0xZln5LYk_RYfCJgAQTZc
        )

    )

    )

[https://example.org] => Array
(
    [keys] => Array
    (
        [0] => Array
        (
            [kid] => T0s-IBoRy224E8-Xhs7IfgBwwubT9rEf4JRvDE5eIQo
            [kty] => RSA
            [use] => sig
            [n] => t7GNJVeSMoSe0nD6UgArZGQ_vjIciNxSmyUB8q5KM9UZF_6npQG5zDUfKXmWwQM8e9-Tw14dyWina3eQlin1Q2
            [e] => AQAB
        )

        [1] => Array
        (
            [kty] => EC
            [crv] => P-256
            [y] => f1nionLln7Fsl4RY1iae_Y1430cA27dWE8njPZZC_1s
            [use] => sig
            [x] => C_kXLgdamJp3NF58jGebeCZ505-pKY-4JoWutT_RvVM
            [kid] => a5QEWqF_nv4lj3H_zhq2pIpUiY4qDftamnXneS2yVp0
        )

    )

    )

[https://sunset.se] => Array
(
    [keys] => Array
    (
        [0] => Array
        (
            [kid] => g4WMxVrLEHVN1tLzbKMWGn75Z0cCUlfeZThW-wh27cM
            [kty] => RSA
            [use] => sig
            [n] => vl8QjGp2yUZLbsCGcXBNLxH0rew24wuWER3pGW036YJYn_NT0RP5zQGBzs48zu-YIGKgXD8kMMRzQB0LzQY_4V
            [e] => AQAB
        )

        [1] => Array
        (
            [kty] => EC
            [crv] => P-256
            [y] => k-lU9W8-sMjILQMVSsnj5jLTnRU4LdVN73xoKK1ZdYk
            [use] => sig

```

```
[x] => TQGk8QFQJrmqS9AbRsu4kQbvjQZftET3RmM_RVWbqPM
[kid] => BEfveNQSB6SasVUFKcR~vE9p43axF3zMb00YiUt4uHY
)
)
)
[https://uninett.no] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [kid] => Gjtc0fNcG3CwapnZ_m_Z3aurjkRBZFIGaI6wSrwL1_E
                    [kty] => RSA
                    [use] => sig
                    [n] => rsvdjcxV276KdcorteRGSdY_mAISnWQql7iJ-M9EWrPVRqvtiP5bAjEzwnY8K0zQdj7Cjz718lAWH5QpNvY3t0
                    [e] => AQAB
                )
            [1] => Array
                (
                    [kty] => EC
                    [crv] => P-256
                    [y] => V9nYCc0ra7STdEsgYUmK3b-lDkr-n71riY-551Y-VkQ
                    [use] => sig
                    [x] => VeGzY46M84wp5rsv98-sQnb4HQDvPUTF4G8v5Q550tU
                    [kid] => TZI8IKS12a5SGkA4bZpUxU46nR8sllhp-J9BefkLRtg
                )
            )
        )
    [https://surfnnet.nl/oidc] => Array
        (
            [keys] => Array
                (
                    [0] => Array
                        (
                            [kid] => EtVYnlf5DKTAnHwgj3s71s5sBmJX6kJzwMUfGP6o3nI
                            [kty] => RSA
                            [use] => sig
                            [n] => uG0u8IvoykVzbvvnJWMILAfK0jR9C0YLFsFI-g0bWl3CZ5jwZTd2wFOM0S6Q2sKGMcmgIs3kdTWu2zPSTFSYDd
                            [e] => AQAB
                        )
                    [1] => Array
                        (
                            [kty] => EC
                            [crv] => P-256
                            [y] => V4Rqiu0BUwQkCbdtTn1bwRQ0lI80heoTCItl0ZedSN0
                            [use] => sig
                            [x] => UQ_AzqvES9MVWaGkh1q_JPjFBS7NR8a-hcusSCyAKCg
                            [kid] => iGaT7pJkGjIpr2_-QpoiGdYXXuudl1BZeL7u8Rm4ZDs
                        )
                    )
                )
            [https://swamid.sunet.se] => Array
                (
                    [keys] => Array
                        (
                            [0] => Array
                                (
                                    [kid] => ihRpWzYYx6yP_Ny30GoCmBxjl9K1yCS_SrSEVwP8eD8
                                    [kty] => RSA
                                    [use] => sig
                                    [n] => ntIVVOM62X0LscH1C8BfAbr2BL67sW1eWEGokGDUabEqsvAKzZCiQfYMvphou6kXhtxXOMttzchGpI2rfLElW
                                    [e] => AQAB
                                )
                            [1] => Array
                                (
                                    [kty] => EC
                                    [crv] => P-256
                                    [y] => YjeDuiwhxcIHvzS61tUNvyGWpn-PvD0s-E2dXndVmv0
                                    [use] => sig
                                    [x] => RW5AVta_Jm4CMWEU71rH3e-FwfmU2oN9poF6jhtJ5XY
                                    [kid] => 6VX4aRYeuBpNw-S4ovgiNXs45YiTVDwGs82PkL3I43I
                                )
                            )
                        )
                    [https://bogus.example.org] => Array
                        (
                            [keys] => Array
```

```
(
  [0] => Array
  (
    [kid] => jPGFpGx0U476u5f0bGmu0VM0xBcdPV4QXPW7weukKlA
    [kty] => RSA
    [use] => sig
    [n] => uWlJpVwskaHu2m3u5PL7Kpk5xZN2uSv9GvR-yWsY905ieAb902S08WUfNZ4uH1zVj02CUx2w10ZdlbPYvW_wrQ
    [e] => AQAB
  )

  [1] => Array
  (
    [kty] => EC
    [crv] => P-256
    [y] => Gb2Bwd2bR5ca61BGlmnt7CU3tj8k0o7uBN-Lm2zgmoo
    [use] => sig
    [x] => xX9lrKm3sKRPERmxWijqxD5VxcDT-hblZk5jajbMR9w
    [kid] => bwdViYIJTCQD_nme26iAv5pgBNBUESQ220RnoAgmE1U
  )

)

[https://edugain.com] => Array
(
  [keys] => Array
  (
    [0] => Array
    (
      [kid] => 2kmUXi6jS9rQ6BzWst2rJGwwXvZSfwRouR1u8ezSpfA
      [kty] => RSA
      [use] => sig
      [n] => wTc569WwiJU6QBPgnSu8rtQTt4Gq-rOX3C0cWNIc_wEhlMX3NjQI5ybNvII_D3PCLA_E0hkxKDKLzQ0zx2z8fM
      [e] => AQAB
    )

    [1] => Array
    (
      [kty] => EC
      [crv] => P-256
      [y] => 1iZntic5EqwhkGK9h6AVf7tkcEmuukv1itCbh45xZtc
      [use] => sig
      [x] => XvHoQhsv8v48QL_L86wBYUsywzXf6Uv1790g3zy7LYc
      [kid] => 40bcVvr2xZb0WG3sRpKBc7bgPm8-_4QeQ9cPeURh6C4
    )

  )

)

[https://sunet.se/op] => Array
(
  [keys] => Array
  (
    [0] => Array
    (
      [kid] => 9P6xnUZKD2yuXnGox-_iSNiDuIIatqaJFDfrX38SbIc
      [kty] => RSA
      [use] => sig
      [n] => 0LxoAZM47uGLaAv7Hov5yngWVBBYKCSU_Ht3LEuj_L2Dt7iKHoz5QabKvpHgy7Ixijh0Yw3W5wefTJuHx6VfT
      [e] => AQAB
    )

    [1] => Array
    (
      [kty] => EC
      [crv] => P-256
      [y] => w4ysBsoCPy4qvoCU7fIrqvbnrnlvQeqoJAL-Xwj1c1c
      [use] => sig
      [x] => JWVPRv1t9Iu_nyhWUsmUILH-R0d5k0uEm97Tv_EJ2pg
      [kid] => u6p5d34mmzCHqYwakPrALsAPR1nVsHQNuVyw8b6KsA
    )

  )

)

[https://cs.example.org] => Array
(
  [keys] => Array
  (
    [0] => Array
    (
      [kid] => Nv2rQSMU1rduk1d6E-0Rqfsz_tY4xzLH146R6QLC7Pk
      [kty] => RSA
      [use] => sig
      [n] => 10VOAC5Gk_gFIh1lz5fz08Wto5-GzLZ9x45I1LSZBZHprCX-mwNzZGfoBocGpGfw3DYmFMzi bHD6NNqThbOM7l
      [e] => AQAB
    )

    [1] => Array
```

```

        (
            [kty] => EC
            [crv] => P-256
            [y] => NsEEUZe_etJ8G6Qbvnoa7eFfhjpkVYJNekyHnqevw44
            [use] => sig
            [x] => uxcbQikJyvN1zqbniC9vRiccrTOLz4h1IN2S4KNU-1Y
            [kid] => gexCBYBxSIxpP-QtsV1LkG1m5AeFbP-Q0awKWR_5v1k
        )
    )
)

[jti] => 935aa6c77ee94dc583385a5952653786
[exp] => 1505457917
[kid] => cZmZTgNZW88HA5E4A4rE2v6o0f21Jayl03_JB68jaLM
[iss] => https://localhost
)

)

=====Verify (Keys Bundle) signature result=====
Array
(
    [iat] => 1505457917
    [bundle] => Array
        (
            [https://www.feide.no] => Array
                (
                    [keys] => Array
                        (
                            [0] => Array
                                (
                                    [kid] => rYMbPo0m8coyar99IuueCmw0zj-Jfw_iUixIPJXVSb4
                                    [kty] => RSA
                                    [use] => sig
                                    [n] => 0KYqihTkUYCoPtcaSN-PkofcGBhSsLbC5_rsDLtdP6dJJDeEgSsLi2LHUJsG_Crmp2ao_csWqPf4yx4ituNZzQ48sXWJ1T
                                    [e] => AQAB
                                )
                            [1] => Array
                                (
                                    [kty] => EC
                                    [crv] => P-256
                                    [y] => FvnRLMiWCIEQ0tQ_IIwPqfoTpVAnUJ1MWucU6jtRWnA
                                    [use] => sig
                                    [x] => 5t2Aar9dGt6DhcQHH6h-VZRwMkF6lXLDCo7LInERL0
                                    [kid] => D83wp7iqD74HCE8oA6AlYHW6vVjvMd1j_NgLabvags
                                )
                            )
                )
            )
        [https://example.org/op] => Array
            (
                [keys] => Array
                    (
                        [0] => Array
                            (
                                [kid] => j2HoeEz5f4U8KkWW1a6tJ5SXJCfx0TTN6vL7jE7ZpJ4
                                [kty] => RSA
                                [use] => sig
                                [n] => t0L_IJGiE6McN0f16GeR5ZiR8W0jb_pzJErQtRm3xpsbHRRBuYSLYM0ea4R-eZvU8X9G7J9qVeYZ6ILZ2pS2TSBRrKYWS7
                                [e] => AQAB
                            )
                        [1] => Array
                            (
                                [kty] => EC
                                [crv] => P-256
                                [y] => CFSdvlmJkhLq1TMkmw8s1kfWzHhJqlcdqnM7a-geBuc
                                [use] => sig
                                [x] => 1sEpNSicJNo1ci4TBJ1bTCW-zmKSPuKB6irwhHtFopE
                                [kid] => c5DIPFhC3LmNoiwAx1Qu-La3tvFbQ4uZq_VbrTp0WbM
                            )
                        )
                    )
            )
        [https://example.com] => Array
            (
                [keys] => Array
                    (
                        [0] => Array
                            (
                                [kid] => 7TnWOKF0Znlsf-ok08w7oFL474A4Iux0QqwSi1z3MS4
                                [kty] => RSA
                                [use] => sig

```



```

        [n] => otD_zD70kTHNMKF-SxbB_u9_v4edwGB3vKRrF2WnR2Cq4qqfFEJPb_KuISoiHstSpSgHgs7EDL2P9_0RQcgip_ctY0rISl
        [e] => AQAB
    )

    [1] => Array
    (
        [kty] => EC
        [crv] => P-256
        [y] => iah0yb361kjkx9jW82dKiPBbzmlbdh0Grw5deoruMIA
        [use] => sig
        [x] => _vTc68Qzjye3BAjBxuP3AwCPWDAK2jKM_7dvoFZgwPQ
        [kid] => OAP6u4sbyKjnaAl3vFdAAW0xZln5LYk_RYfC3gAQTZc
    )

)

)

[https://example.org] => Array
(
    [keys] => Array
    (
        [0] => Array
        (
            [kid] => T0s-IBoRy224E8-Xhs7IfgBwwubT9rEf4JRvDE5eIQo
            [kty] => RSA
            [use] => sig
            [n] => t7GNJVeSMoSe0nD6UgArZGQ_vjIciNxsmyUB8q5KM9UZF_6npQG5zDUfKXmWwQM8e9-Tw14dyWina3eQlin1Q2BzyaBum1
            [e] => AQAB
        )

        [1] => Array
        (
            [kty] => EC
            [crv] => P-256
            [y] => f1nionLln7Fs14RY1iae_Y1430cA27dWE8njPZZC_1s
            [use] => sig
            [x] => C_kXLgdamJp3NF58jGebeCZ505-pKY-4JoWutT_RvVM
            [kid] => a5QEWqF_nv4lj3H_zhq2pIpUiY4qDftamnXneS2yVp0
        )

    )

)

[https://sunet.se] => Array
(
    [keys] => Array
    (
        [0] => Array
        (
            [kid] => g4WMxVr1EHVN1tLzbKMWGn75Z0cCULfeZThw-wh27cM
            [kty] => RSA
            [use] => sig
            [n] => v18QjGp2yUZLbsCGcXBNLxH0rew24wuWER3pGW036YJYn_NT0RP5zQGBzs48zu-YIGKgXD8kMMRzQBOLzQY_4ViTJI9nrZ
            [e] => AQAB
        )

        [1] => Array
        (
            [kty] => EC
            [crv] => P-256
            [y] => k-lU9W8-sMjI1QMvWSnj5jLTnRU4LdVN73xoKK1ZdYk
            [use] => sig
            [x] => TQGk8QFQJrmqS9AbRsu4kQbvjQZftET3RmM_RVWbqPM
            [kid] => BEfveNQsb6SasVUFKcR-vE9p43axF3zMb00YiUt4uHY
        )

    )

)

[https://uninett.no] => Array
(
    [keys] => Array
    (
        [0] => Array
        (
            [kid] => Gjtc0fNcG3CwapnZ_m_Z3aurjkRBZFIGaI6wSrwL1_E
            [kty] => RSA
            [use] => sig
            [n] => rsvdjcxV276KdcorteRGSdY_mAISnWQql7iJ-M9EwrPVRqvtiP5bAjEzwnY8K0zQdj7Cjz718lAWH5QpNvY3t0gewwMpz5
            [e] => AQAB
        )

        [1] => Array
        (
            [kty] => EC
            [crv] => P-256
            [y] => V9nYCc0ra7STdEsgYUmK3b-lDkr-n71riY-551Y-VkQ
            [use] => sig
            [x] => VeGzY46M84wp5rsv98-sQnb4HQDvPUTF4G8v5Q550tU

```

```
[kid] => TZI8IKS12a5SGkA4bZpUxU46nR8sllhp-J9BefkLRtg
)
)
)
[https://surfnet.nl/oidc] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [kid] => EtVYnlf5DKTAnHwgj3s71s5sBmJX6kJzwMUfGP6o3nI
                    [kty] => RSA
                    [use] => sig
                    [n] => uG0u8IvoykVzbvvnJWMILAFK0jR9C0YLFsFI-g0bWl3CZ5jwZTd2wFOM0S6Q2sKGMCMgIs3kdTWu2zPSTFSYDdad_oASb4
                    [e] => AQAB
                )
            [1] => Array
                (
                    [kty] => EC
                    [crv] => P-256
                    [y] => V4Rqiu0BUwQkCbdvTn1bwRQ0lI80heoTCItl0ZedSN0
                    [use] => sig
                    [x] => UQ_AzqvES9MVWaGkh1q_JPJfBS7NR8a-hcusSCyAKCg
                    [kid] => iGaT7pJkGjIpr2_-QpoiGdYXXuudl1BZeL7u8Rm4ZDs
                )
            )
        )
    )
[https://swamid.sunet.se] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [kid] => ihRpWzYYx6yP_Ny30GoCmBxjl9K1ycs_SrSEVwP8eD8
                    [kty] => RSA
                    [use] => sig
                    [n] => ntIVVOM62X0LscH1C8BFabr2BL67sW1eWEGokGDUabEqsVAKzZCiQfYMvphou6kXhtxX0MttzchGpI2rfLElWd581GfyX
                    [e] => AQAB
                )
            [1] => Array
                (
                    [kty] => EC
                    [crv] => P-256
                    [y] => YjeDuiwhxcIHvzS61tUNvyGWpn-PvD0s-E2dXndVmv0
                    [use] => sig
                    [x] => RW5AVta_Jm4CMWEU71rH3e-FwfmU2oN9poF6jhtJ5XY
                    [kid] => 6VX4aRYeuBpNw-S4ovg1NXs45YiTVDwGs82Pk13I43I
                )
            )
        )
    )
[https://bogus.example.org] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [kid] => jPGFpGx0U476u5f0bGmu0VM0xBCdPV4QXPW7weukKlA
                    [kty] => RSA
                    [use] => sig
                    [n] => uWlJPVwskaHu2m3u5PL7Kpk5xZN2uSv9GvR-yWsY905ieAb902S08WUfNZ4uH1zVj02CUx2wl0Zd1bPYvW_wrQ_pzcJ2iY
                    [e] => AQAB
                )
            [1] => Array
                (
                    [kty] => EC
                    [crv] => P-256
                    [y] => Gb2BWd2bR5ca61BGlmt7CU3tj8k0o7uBN-Lm2zgmoo
                    [use] => sig
                    [x] => xX9LrKm3sKRPERmxWijqx05VXcDT-hblZk5jajbMR9w
                    [kid] => bwdViYIJTCQD_nme26iAv5pgBNBUEsQ220RnoAgmE1U
                )
            )
        )
    )
[https://edugain.com] => Array
(
    [keys] => Array
        (

```

```

[0] => Array
(
    [kid] => 2kmUXi6jS9rQ6BzWst2rJGwwXvZSfwRouR1u8ezSpfA
    [kty] => RSA
    [use] => sig
    [n] => wTc569WwiJU6QBPgnSu8rtQTt4Gq-r0X3C0cWNic_eWhlMX3NjQI5ybNvII_D3PCLA_E0hkxKDKLzQ0zx2z8fMrX2XqS8m
    [e] => AQAB
)

[1] => Array
(
    [kty] => EC
    [crv] => P-256
    [y] => 1iZntic5EqwhkGK9h6AVf7tkcEmuukv1itCbh45xZtc
    [use] => sig
    [x] => XvHoQhsv8v48QL_L86wBYUswyXf6Uv1790g3zy7LYc
    [kid] => 40bcVvr2xZb0WG3sRpKBc7bgPm8-_4QeQ9cPeURh6C4
)

)

)

[https://sunet.se/op] => Array
(
    [keys] => Array
    (
        [0] => Array
        (
            [kid] => 9P6xnUZKD2yuXnGox-_iSniDuIIatqaJFDfrX38SbIc
            [kty] => RSA
            [use] => sig
            [n] => 0LxoAzZM47uGLaAv7Hov5yngWVBBYKCSU_Ht3LEuj_L2Dt7iKHoz5QabKvpHgy7IxiJh0Yw3W5wefTJuHx6VfTo6GpIKb3
            [e] => AQAB
        )

        [1] => Array
        (
            [kty] => EC
            [crv] => P-256
            [y] => w4ysBsoCPy4qvoCU7fIrqvbnrLvQeqoJAL-Xwj1c1c
            [use] => sig
            [x] => JWVPRv1t9Iu_nyhWUsmUILH-R0d5kOuEm97Tv_EJ2pg
            [kid] => u6p5d34mmzCHqYwakPrALsAPR1nVsHQNuVyw8b6KsA
        )

    )

)

[https://cs.example.org] => Array
(
    [keys] => Array
    (
        [0] => Array
        (
            [kid] => Nv2rQSMU1rduk1d6E-0Rqfsz_ty4xzLH146R6QLC7Pk
            [kty] => RSA
            [use] => sig
            [n] => 10V0AC5Gk_gFIh1lz5fz08Wto5-GzLZ9x45I1LSZBZHprCX-mwNzZGfoBocGpGfw3DYmFMzibHD6NNqThbOM7luZhZNUrs
            [e] => AQAB
        )

        [1] => Array
        (
            [kty] => EC
            [crv] => P-256
            [y] => NsEEUZe_etJ8G6Qbvnoa7eFfhjpkVYJNekyHnqevw44
            [use] => sig
            [x] => uxcbQikJyvN1zqbniC9vRiccrTOLz4h1IN2S4KNU-1Y
            [kid] => gexCBYBxSIXpP-QtsV1LkG1m5AeFbP-Q0awKWR_5v1k
        )

    )

)

)

[jti] => 935aa6c77ee94dc583385a5952653786
[exp] => 1505457917
[kid] => cZmZTgNZW88HA5E4A4rE2v6o0f21Jayl03_JBG8jaLM
[iss] => https://localhost
)

```

====Metadata Statements====
 ==>>> Verified MS index: https://edugain.com <<<==

```

Array
(
    [id_token_encryption_alg_values_supported] => Array
    (

```

```
[0] => RSA1_5
[1] => RSA-OAEP
[2] => RSA-OAEP-256
[3] => A128KW
[4] => A192KW
[5] => A256KW
[6] => ECDH-ES
[7] => ECDH-ES+A128KW
[8] => ECDH-ES+A192KW
[9] => ECDH-ES+A256KW
)

[id_token_encryption_enc_values_supported] => Array
(
    [0] => A128CBC-HS256
    [1] => A192CBC-HS384
    [2] => A256CBC-HS512
    [3] => A128GCM
    [4] => A192GCM
    [5] => A256GCM
)

[token_endpoint_auth_methods_supported] => Array
(
    [0] => client_secret_post
    [1] => client_secret_basic
    [2] => client_secret_jwt
    [3] => private_key_jwt
)

[userinfo_signing_alg_values_supported] => Array
(
    [0] => RS256
    [1] => RS384
    [2] => RS512
    [3] => ES256
    [4] => ES384
    [5] => ES512
    [6] => HS256
    [7] => HS384
    [8] => HS512
    [9] => PS256
    [10] => PS384
    [11] => PS512
    [12] => none
)

[response_types_supported] => Array
(
    [0] => code
    [1] => token
    [2] => id_token
    [3] => code token
    [4] => code id_token
    [5] => id_token token
    [6] => code token id_token
    [7] => none
)

[token_endpoint] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2/token
[jwks_uri] => https://agaton-sax.com:8080/static/jwks_VqRG2bsztzC4Upa.json
[token_endpoint_auth_signing_alg_values_supported] => Array
(
    [0] => RS256
    [1] => RS384
    [2] => RS512
    [3] => ES256
    [4] => ES384
    [5] => ES512
    [6] => HS256
    [7] => HS384
    [8] => HS512
    [9] => PS256
    [10] => PS384
    [11] => PS512
)

[userinfo_endpoint] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2/userinfo
[scopes_supported] => Array
(
    [0] => profile
    [1] => address
    [2] => email
    [3] => offline_access
    [4] => openid
    [5] => phone
    [6] => openid
)

[claim_types_supported] => Array
(
    [0] => normal
```

```

    [1] => aggregated
    [2] => distributed
)

[request_object_encryption_alg_values_supported] => Array
(
    [0] => RSA1_5
    [1] => RSA-OAEP
    [2] => RSA-OAEP-256
    [3] => A128KW
    [4] => A192KW
    [5] => A256KW
    [6] => ECDH-ES
    [7] => ECDH-ES+A128KW
    [8] => ECDH-ES+A192KW
    [9] => ECDH-ES+A256KW
)

[kid] => g4WMxVrLEHVN1tLzbKMWGn75Z0cCULfeZThW-wh27cM
[grant_types_supported] => Array
(
    [0] => authorization_code
    [1] => implicit
    [2] => urn:ietf:params:oauth:grant-type:jwt-bearer
    [3] => refresh_token
)

[metadata_statements] => Array
(
    [0] => Jose\Object\JWS Object
        (
            [is_payload_detached:Jose\Object\JWS:private] =>
            [encoded_payload:Jose\Object\JWS:private] => eyJtZXRhZGF0eYV9zdGF0ZW1bnRfdXJpcyI6IHsiaHR0cHM6Ly9lZHVnYWluLmNvbSI6ICJo
            [signatures:Jose\Object\JWS:private] => Array
                (
                    [0] => Jose\Object\Signature Object
                        (
                            [encoded_protected_headers:Jose\Object\Signature:private] => eyJhbGciOiJIUzI1NiIsImtpZCI6ImloUnBxellZ
                            [protected_headers:Jose\Object\Signature:private] => Array
                                (
                                    [alg] => RS256
                                    [kid] => ihRpWzYYx6yP_Ny30GoCmBxjl9K1yCs_SrSEVwP8eD8
                                )

                            [headers:Jose\Object\Signature:private] => Array
                                (

                                )

                            [signature:Jose\Object\Signature:private] => ►6LJctN@RH}uL)<W/0{CS^C
n<}ld:]6!V;u~LYR-5{"l-DMf@+YK
q,
f,jI?_MP.f<Au7H(„#„@JP";\Xw~iBQ>.:~: _hc eL►67a[ o^K57
5q)+L Y b&

            [signature_key:Jose\Object\Signature:private] =>
        )
    )

[payload:Jose\Object\JWS:private] => Array
(
    [metadata_statement_uris] => Array
        (
            [https://edugain.com] => https://localhost:8080/sms/1d21c2c600e70a2a3cbf91e36473a7976359b080c210f96dc
        )

    [exp] => 1504593383
    [signing_keys] => Array
        (
            [keys] => Array
                (
                    [0] => Array
                        (
                            [kty] => RSA
                            [kid] => g4WMxVrLEHVN1tLzbKMWGn75Z0cCULfeZThW-wh27cM
                            [use] => sig
                            [n] => vl8QjGp2yUZLbsCGcXBNLxH0rew24wuWER3pGW036YJYn_NT0RP5zQGBzs48zu-YIGKgXD8kMMRzQB
                            [e] => AQAB
                        )

                    [1] => Array
                        (
                            [kid] => BEfveNQSB6SasVUFKcR-vE9p43axF3zMb00YiUt4uHY
                            [kty] => EC
                            [y] => k-lU9W8-sMjILQMVWSnj5jLTnRU4LdVN73xoKK1ZdYk
                            [use] => sig
                            [crv] => P-256
                            [x] => TQ6k8QFQJrmqS9AbRsu4kQbvjQZftET3RmM_RVWbqPM
                        )
                )
            )
        )

```

```

    )

    )

    [kid] => ihRpWzYYx6yP_Ny30GoCmBxjl9K1yCs_SrSEVwP8eD8
    [jti] => b2793caaa0cb406294e18363bce7cba4
    [iat] => 1504593383
    [iss] => https://swamid.sunet.se
    [aud] => Array
        (
            [0] => https://sunet.se
        )
    )

    )

    [iss] => https://sunet.se
    [userinfo_encryption_alg_values_supported] => Array
        (
            [0] => RSA1_5
            [1] => RSA-OAEP
            [2] => RSA-OAEP-256
            [3] => A128KW
            [4] => A192KW
            [5] => A256KW
            [6] => ECDH-ES
            [7] => ECDH-ES+A128KW
            [8] => ECDH-ES+A192KW
            [9] => ECDH-ES+A256KW
        )

    [response_modes_supported] => Array
        (
            [0] => query
            [1] => fragment
            [2] => form_post
        )

    [acr_values_supported] => Array
        (
            [0] => PASSWORD
        )

    [end_session_endpoint] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2/end_session
    [claims_supported] => Array
        (
            [0] => zoneinfo
            [1] => address
            [2] => email
            [3] => family_name
            [4] => locale
            [5] => phone_number
            [6] => website
            [7] => preferred_username
            [8] => sub
            [9] => name
            [10] => birthdate
            [11] => given_name
            [12] => profile
            [13] => phone_number_verified
            [14] => middle_name
            [15] => email_verified
            [16] => picture
            [17] => updated_at
            [18] => gender
            [19] => nickname
        )

    [request_parameter_supported] => 1
    [request_object_signing_alg_values_supported] => Array
        (
            [0] => RS256
            [1] => RS384
            [2] => RS512
            [3] => ES256
            [4] => ES384
            [5] => ES512
            [6] => HS256
            [7] => HS384
            [8] => HS512
            [9] => PS256
            [10] => PS384
            [11] => PS512
            [12] => none
        )

    [exp] => 1505461516
    [registration_endpoint] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2/registration
    [subject_types_supported] => Array

```

```
(
    [0] => public
    [1] => pairwise
)

[request_uri_parameter_supported] => 1
[id_token_signing_alg_values_supported] => Array
(
    [0] => RS256
    [1] => RS384
    [2] => RS512
    [3] => ES256
    [4] => ES384
    [5] => ES512
    [6] => HS256
    [7] => HS384
    [8] => HS512
    [9] => PS256
    [10] => PS384
    [11] => PS512
    [12] => none
)

[require_request_uri_registration] => 1
[iat] => 1505457916
[issuer] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2
[signing_keys] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [use] => sig
                    [kty] => RSA
                    [kid] => yF023vQJRhl_I0XfQ42YQbfEXjdxfb0lz5p4G4i5Veg
                    [n] => ovd1FKRRhCEKuZpeo_S7SlaT4WADTGDuVZAo00nGQFGRfQM2jgQ92n0kQAFIPw6BHL54XBoSzoAdxDwm0o2d4_DN844RYrtsycVwac
                    [e] => AQAB
                )
            [1] => Array
                (
                    [kty] => EC
                    [crv] => P-256
                    [y] => T79DNyYCCjbpF9mPrNn2xLYpgZ8KqSp_eIngw0NOZI
                    [kid] => db9UH4cutGBGV60hBKgkm1vtD7paDJMutrZaYa03Y9A
                    [x] => CmJF5n6aKDibsocac9-n_UaYAYVaGw-fxqYq1HE09A
                    [use] => sig
                )
        )
    )

[version] => 3.0
[request_object_encryption_enc_values_supported] => Array
(
    [0] => A128CBC-HS256
    [1] => A192CBC-HS384
    [2] => A256CBC-HS512
    [3] => A128GCM
    [4] => A192GCM
    [5] => A256GCM
)

[claims_parameter_supported] => 1
[userinfo_encryption_enc_values_supported] => Array
(
    [0] => A128CBC-HS256
    [1] => A192CBC-HS384
    [2] => A256CBC-HS512
    [3] => A128GCM
    [4] => A192GCM
    [5] => A256GCM
)

[authorization_endpoint] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2/authorization
)
```

=====Register client=====

Variable: path_dataDir_real:

/home/constantin/public_html/oidcfed/github/oidcfed_dataGetting or prepare certificate to use with OIDCFED Client...

-----BEGIN CERTIFICATE-----

```
MIIFVTCCAz2gAwIBAgIBADANBgkqhkiG9w0BAQUFADBFMQswCQYDVQQGEwJBVTET
MBEGA1UECAwKU29tZS1TdGF0ZTEhMB8GA1UECgwYSW50ZXJuZXQgV2lkZ2l0cyBQ
dHkgTHRkMB4XDTE3MDkxNTA2NDUxN1oXDTE4MDkxNTA2NDUxN1owRTELMAkGA1UE
BhMCQVUxEzARBgNVBAgMClNvbWUtU3RhdGUxITAfBgNVBAoMGEludGVybmV0IFdp
ZGdpdHMgUHR5IEIeX0ZDCCAiIwDQYJKoZIhvcNAQEBBQADggIPADCCAgoCggIBAML3
DcOE41KofhMPYnEbVwUD90anxgHQly6wxwAjklJYSL0f8nOG1tFNCbfa9mchurAB
```

m/P/ZmULA8qi0aJFY0DdljKYM+qb5k5w67tLN0wvawv1P3T7/LMoLC1JDqFnt3D9
EabWh4VyLPFckxFa78h07LhkR8rwpA3TKEH6J3ePeKMYuX8vshkklqnX9Px3JBfT
VB+Vz0uABKrRJCc8n49iJ5VPClAwlddgjPWfwupU1wcUvLekZ0MN+ikyXDabcgAX
J60CwEM41ZwfK05iKNv82v4CeBvC1yHMnGqDUsYTo0TduffEn+gqU3rKgX4tkiZK
a44jnBW0G5XFUPA6vvhtd5L9gdfQHbWr6X/MEqCSkVYtb+e9Thxs8+P20A/MA/oW
CZxqChn45NtcfFsKhPvA0YeWVPp66zatg8y0k7HUtgfnfS0omJt0YeKK96HM3LPwo
QNhVoff//CZtqNi88pULQWbXpUHMaGp9CnyhUEyPA8qCA1ekuIL6nxagas38AGkx
EP9nDhfHiLhbPnsSqdrdm9Q5I9nBAwZSud0zcJT8fG1DsGx7v5szRLsYZFmS0aTe
ckqTNG9o289JGaLc7WixnHULqat9B8P7Zh+xEWovVIprRd2eRkc0gE3vfoJa/N7V
/G3vy8FfG3lGIHODISc9D17lTLAueoG6f3VyGUNJAgMBAAAgjUDB0MB0GA1UdDgQW
BBQtGis+Qo/PKWu0mySGBEQj8QNNKzAfBgNVHSMEGDAWgBQtGis+Qo/PKWu0mySG
BEQj8QNNKzAMBgnVHRMEBTADAQH/MA0GCSqGSIb3DQEBBQUAA4ICAQB9Dj4MLUSb
MnUnVvnjHpCDK9Lv0ZDQ+0tGIuIh6apYeKn1WcWbbt0xZJNBh81LCwFqQPX4LZxr
9vhLBHLfcvmhUnTfvSgebl8HISF8uVYcDctcx9XyZzclSh0Nvpd3gkdjrbfRfdiN
cXnQ+r0/XZRRZIC7uNbYTJP8jUnLliXg3CR+kPFV3Qrsx16YzCc4TU5IIW1lSSeX
J7ZfQqP6dWw9Cv9rEZTlqKvLCdpmoqrgrtaraGTWJfDjfXSR8N23KZAtE73/H+GER
2u1lPcj3GfbyVJzyuiYr3m00n62xJBEq4xXs1ZGmlgLVLsBwZndolwR4hnnvG69l
xtLbUDyDiG6YK8U72NWAzX9w10fQWSiQf+66nECG40VJX5YWgN8+tR+YqMSyItku
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cNYZJG5mkIx6GCVRiy/RvThvr3F+rgGNtna/yFbBf6Rwb9AHMSLIGKyR29BfQW6E
UffCx98dlrURhw7pnDk50IFSIEBxLPNEIU7r3vuCmNKvm7z4VBYHHe0TgAHbkvYi
m0r0p4Th5AyRRD+FTPw5Sq3+qi87Wzp00A==
-----END CERTIFICATE-----

Here we have registered client with ID: KxJ9kaqqUnL6
And client secret: 1a72c3eb95c87c28ed8285c4371574aa26e7302f1648a7268fff0a21