

Full url:

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

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

Array

```
(
  [request_uri_parameter_supported] => 1
  [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
    )

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

  [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
    )

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

  [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
    )

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

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

[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
)

[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
)

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

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

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

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

[token_endpoint] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2/token
[jwks_uri] => https://agaton-sax.com:8080/static/jwks_tEsxhSKXND9sJv13.json
[request_parameter_supported] => 1
[issuer] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2
[token_endpoint_auth_methods_supported] => Array
(
    [0] => client_secret_post
```

```
[1] => client_secret_basic
[2] => client_secret_jwt
[3] => private_key_jwt
)

[claims_supported] => Array
(
    [0] => family_name
    [1] => middle_name
    [2] => sub
    [3] => zoneinfo
    [4] => gender
    [5] => given_name
    [6] => birthdate
    [7] => phone_number_verified
    [8] => picture
    [9] => preferred_username
    [10] => phone_number
    [11] => email
    [12] => email_verified
    [13] => website
    [14] => address
    [15] => nickname
    [16] => updated_at
    [17] => name
    [18] => locale
    [19] => profile
)

[claims_parameter_supported] => 1
[end_session_endpoint] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2/end_session
[userinfo_endpoint] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2/userinfo
[authorization_endpoint] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2/authorization
[acr_values_supported] => Array
(
    [0] => PASSWORD
)

[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
)

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

[metadata_statements] => Array
(
    [https://edugain.com] => eyJraWQiOiJnNFdNeFZybEVIVk4xdEx6YktNV0duNzVaT2NDVWxmZVpUaFctd2gyN2NNIiwiaWxnIjoiaUlMyNTYifQ.eyJtZXRhZ
)

)

=====Keys Bundle=====
eyJraWQiOiJlEeU1RRnFGZHNJU090U2lqWXdjCFFKM0I1TUdyMThTVjRnQ3RmbmgtN3NFIIiwiaWxnIjoiaUlMyNTYifQ.eyJleHAiOiAxNTA0NzkwMzAzLCAiYnVuZGxlIjojogeyJodH
=====SIGKEY=====

=====JWKSet (SigKey)=====
Jose\Object\JWKSet Object
(
    [keys:protected] => Array
        (
            [0] => Jose\Object\JWK Object
                (
                    [values:Jose\Object\JWK:private] => Array
                        (
                            [use] => sig
                            [kid] => DmMQFqFdsIS0tSmjYwcpQJ3B5MGr18SV4gCtLnh-7sE
                            [kty] => RSA
                            [e] => AQAB
                            [n] => pWao-EKxLAu-1DsXGwGCBxIYQCGLj0qo_q9Z417PJwZFsPnW0aTrvulZ-jmrjyiFiKwyDc_RUmpHXYAQT_n9oam_QKufh9QV4js-uc
                        )
                    )
                )
        )
    )
)
```

```
[1] => Jose\Object\JWK Object
(
    [values:Jose\Object\JWK:private] => Array
        (
            [kid] => GV5s_RTJokLvK4sRo6ej6pIOqVptmLQHHotg8kYvJv0
            [x] => hwbcDdSLMibyd2sJUicM2IhbYW00udh1lyWJ7XYZ_CA
            [use] => sig
            [crv] => P-256
            [kty] => EC
            [y] => 1Zq2gci_vNe2H0Iik3WJlezHkCC0oqw5Mc7K13Toc2g
        )
    )
)

[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] => eyJleHAiOiAxNTA0NzkwMzAzLCAiYnVuZGx1IjogeyJodHRwczovL2NzLmV4YW1wbGUub3JnIjogeyJrZX1zIjog
    [signatures:Jose\Object\JWS:private] => Array
        (
            [0] => Jose\Object\Signature Object
                (
                    [encoded_protected_headers:Jose\Object\Signature:private] => eyJraWQiOiJEbU1RRnFGZHNJU090U21qWXdjYFFKM0I1TudyMThTVjRn
                    [protected_headers:Jose\Object\Signature:private] => Array
                        (
                            [kid] => DmMQFqFdsIS0tSmjYwcpQJ3B5MGr18SV4gCtLnh-7sE
                            [alg] => RS256
                        )
                    [headers:Jose\Object\Signature:private] => Array
                        (
                        )
                    [signature:Jose\Object\Signature:private] => u
tY=yQiu>X0X"~*Z...r~}fj}38o}U4SLnlH/\-X0%;i :6fl
5sargL7Kz.~|~")
aR.sy<m3.:q"TK~\o~m~nU~>$;HI'wŸL,~L.^L~0r>$F~"~[U
Za.flgSS^5
flFΩ{ }>Q~Lb~h~
[signature_key:Jose\Object\Signature:private] =>
)
)

[payload:Jose\Object\JWS:private] => Array
(
    [exp] => 1504790303
    [bundle] => Array
        (
            [https://cs.example.org] => Array
                (
                    [keys] => Array
                        (
                            [0] => Array
                                (
                                    [use] => sig
                                    [kid] => Nv2rQSMU1rduk1d6E-0Rqfsz_tY4xzLH146R6QLC7Pk
                                    [kty] => RSA
                                    [e] => AQAB
                                    [n] => 10VOAC5Gk_gFIh1lz5fz08Wto5-GzLZ9x45I1LSZBZHpRCX-mwNzZGfoBocGpGfw3DYmFMzi bHD6NNqThbOM7l
                                )
                            [1] => Array
                                (
                                    [kid] => gexCBYBxSIxpP-QtsV1LkG1m5AeFbP-Q0awKWR_5vLk
                                    [x] => uxcbQikJyvN1zqbniC9vRiccrTOLz4h1IN2S4KNU-1Y
                                    [use] => sig
                                    [crv] => P-256
                                    [kty] => EC
                                    [y] => NsEEUZe_etJ8G6Qbvnoa7eFfhjpkVYJNekyHnqevw44
                                )
                            )
                        )
                )
            [https://bogus.example.org] => Array
                (
                    [keys] => Array
                        (
                        )
                    )
                )
        )
    )
)
```

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[0] => Array
(
    [use] => sig
    [kid] => jPGFpGx0U476u5f0bGmu0VM0xBCdPV4QXPW7weukKlA
    [kty] => RSA
    [e] => AQAB
    [n] => uWlJPVwskaHu2m3u5PL7Kpk5xZN2uSv9GvR-yWsY905ieAb902S08WUfNZ4uH1zVj02CUx2wLOZdlbPYvW_wrQ
)

[1] => Array
(
    [kid] => bwdViYIJTCQD_nme26iAv5pgBNBUESQ220RnoAgmE1U
    [x] => xX9lrKm3sKRPERmxWijqxDSVxcDT-hblZk5jajbMR9w
    [use] => sig
    [crv] => P-256
    [kty] => EC
    [y] => Gb2BWd2bR5ca61BGlmnt7CU3tj8k0o7uBN-Lm2zgmoo
)

)

[https://example.org/op] => Array
(
    [keys] => Array
    (
        [0] => Array
        (
            [use] => sig
            [kid] => j2HoeEz5f4U8KkWW1a6tJ5SXJCfx0TTN6vL7jE7ZpJ4
            [kty] => RSA
            [e] => AQAB
            [n] => t0L_IJG1E6McN0f16GeR5ZiR8W0jb_pzJErQtRm3xpsbHHRrBuYSLYM0ea4R-eZvU8X9G7J9qVeYZ6ILZ2pS2TS
        )

        [1] => Array
        (
            [kid] => c5DIPFhC3LmNoiwAx1Qu-La3tvFbQ4uZq_VbrTp0WbM
            [x] => 1sEpNSicJNo1ci4TBJ1bTCW-zmKSPuKB6irwhHtFopE
            [use] => sig
            [crv] => P-256
            [kty] => EC
            [y] => CFSdvlmJkhLq1TMkmw8s1kfWzHhJq1cdqnM7a-geBuc
        )

    )

)

[https://sunet.se/op] => Array
(
    [keys] => Array
    (
        [0] => Array
        (
            [use] => sig
            [kid] => 9P6xnUZKD2yuXnGox-_iSNiDuIIatqaJFDfrX38SbIc
            [kty] => RSA
            [e] => AQAB
            [n] => 0LxoAZM47uGLaAv7Hov5yngWVBBYKCSU_Ht3LEuj_L2Dt7iKHoz5QabKvpHgy7Ix1Jh0Yw3W5wefTJuHx6VfT
        )

        [1] => Array
        (
            [kid] => u6p5d34mmzCHqYwakPrALsAPR1nVsHQNuVyw8b6KsA
            [x] => JWVPRv1t9Iu_nyhWUsmUIlH-R0d5k0uEm97Tv_EJ2pg
            [use] => sig
            [crv] => P-256
            [kty] => EC
            [y] => w4ysBsoCPy4qvoCU7fIrqvbwnrLvQeqoJAL-Xwj1c1c
        )

    )

)

[https://www.feide.no] => Array
(
    [keys] => Array
    (
        [0] => Array
        (
            [use] => sig
            [kid] => rYMbPo0m8coyar99IuueCmw0zj-Jfw_iUixIPJXVSb4
            [kty] => RSA
            [e] => AQAB
            [n] => 0KYqihtkUYCoPtcaSN-PkofcGBhSsLbC5_rsDLtdP6dJJDeEgSsLi2LHUJsG_CRMp2ao_csWqPf4yx4ituNZzQ
        )

        [1] => Array
        (

```

```

        [kid] => D83wp7iqD74HCE8oA6AlyHW6vVJvjMd1j_NgLabvags
        [x] => 5t2Aar9dGt6DhcQHH6h-VZRwMkF6lLXLDCo7LInERL0
        [use] => sig
        [crv] => P-256
        [kty] => EC
        [y] => FvnRLMiWCIEQ0tQ_IiwPqfoTpVAnUJJ1MWucU6jtRWnA
    )
)
)
[https://uninett.no] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [use] => sig
                    [kid] => Gjtc0fNcG3CwapnZ_m_Z3aurjkRBZFIGaI6wSrwL1_E
                    [kty] => RSA
                    [e] => AQAB
                    [n] => rsvdjcxV276KdcorteRGSdY_mAISnWQql7iJ-M9EWrPVrqvtiP5bAjEzwnY8K0zQdj7Cjz718lAWH5QpNvY3t0
                )
            [1] => Array
                (
                    [kid] => TZI8IKS12a5SGkA4bZpUxU46nR8sllhp-J9BefkLRtg
                    [x] => VeGzY46M84wp5rsv98-sQnb4HQDvPUTF4G8v5Q550tU
                    [use] => sig
                    [crv] => P-256
                    [kty] => EC
                    [y] => V9nYCc0ra7STdEsgYUmK3b-lDkr-n71riY-551Y-VkQ
                )
            )
        )
)
[https://example.org] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [use] => sig
                    [kid] => T0s-IBoRy224E8-Xhs7IfgBwwubT9rEf4JRvDE5eIQo
                    [kty] => RSA
                    [e] => AQAB
                    [n] => t7GNJVeSMoSe0nD6UgArZGQ_vjIciNxSmyUB8q5KM9UZF_6npQG5zDUfKXmWwQM8e9-Tw14dyWina3eQlinIQ2
                )
            [1] => Array
                (
                    [kid] => a5QEWqF_nv4lj3H_zhq2pIpUiY4qDftamnXneS2yVp0
                    [x] => C_kXLgdamJp3NF58jGebeCZ505-pKY-4JoWutT_RvVM
                    [use] => sig
                    [crv] => P-256
                    [kty] => EC
                    [y] => f1nionL1n7Fsl4RY1iae_Y1430cA27dWE8njPZZC_1s
                )
            )
        )
)
[https://swamid.sunet.se] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [use] => sig
                    [kid] => ihRpWzYYx6yP_Ny30GoCmBxjl9K1yCS_SrSEVwP8eD8
                    [kty] => RSA
                    [e] => AQAB
                    [n] => ntIVVOM62X0LscH1C8BfAbr2BL67sW1eWEGokGDUabEqsVAKzZCiqfYMvpinhou6kXhtxXOMttzchGpI2rfLElw
                )
            [1] => Array
                (
                    [kid] => 6VX4aRYeuBpNw-S4ovg1NXs45YiTVDwGs82Pk13I43I
                    [x] => RW5AVta_Jm4CMWEU71rH3e-FwfmU2oN9poF6jhtJ5XY
                    [use] => sig
                    [crv] => P-256
                    [kty] => EC
                    [y] => YjeDuiwhxcIHvzS61tUNvyGWpn-PvD0s-E2dXndVmv0
                )
            )
        )
)
)

```

```

[https://example.com] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [use] => sig
                    [kid] => 7TnWOKF0Znlsf-ok08w7oFL474A4IuxOQqwSIlz3MS4
                    [kty] => RSA
                    [e] => AQAB
                    [n] => otD_zD70kTHNMKF-SxbB_u9_v4edwGB3vKRfF2WnR2Cq4qqfFEJPb_KuISoiHstSpsgHgs7EDL2P9_0RQcgip_
                )
            [1] => Array
                (
                    [kid] => OAP6u4sbyKjnaAl3vFdAAW0xZln5LYk_RYfCJgAQTZc
                    [x] => _vTc68Qzjye3BAjBxuP3AwCPWDAK2jKM_7dvoFZgwPQ
                    [use] => sig
                    [crv] => P-256
                    [kty] => EC
                    [y] => iah0yb361kjkx9jW82dKiPBbzmLbdh0Grw5deoruMIA
                )
        )
    )

[https://edugain.com] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [use] => sig
                    [kid] => 2kmUXi6jS9rQ6BzWst2rJGwwXvZSfwRouR1u8ezSpfA
                    [kty] => RSA
                    [e] => AQAB
                    [n] => wTc569WwiJU6QBPgnSu8rtQt4Gq-rOX3C0cWNIc_wEhlMX3NjQI5ybNvII_D3PCLA_E0hkxKDKLzQ0zx2z8fM
                )
            [1] => Array
                (
                    [kid] => 40bcVvr2xZb0WG3sRpKBc7bgPm8-_4QeQ9cPeURh6C4
                    [x] => XvHoQhsv8v48QL_L86wBYUzywzXf6Uv1790g3zy7LYc
                    [use] => sig
                    [crv] => P-256
                    [kty] => EC
                    [y] => 1iZntic5EqwhkGK9h6AVf7tkcEmuukv1itCbh45xZtc
                )
        )
    )

[https://sunet.se] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [use] => sig
                    [kid] => g4WMxVrLEHVN1tLzbKMWGn75Z0cCUlfeZThW-wh27cM
                    [kty] => RSA
                    [e] => AQAB
                    [n] => vl8QjGp2yUZLbsCGcXBNLxH0rew24wuWER3pGW036YJYn_NT0RP5zQGBzs48zu-YIGKgXD8kMMRzQB0LzQY_4V
                )
            [1] => Array
                (
                    [kid] => BEfveNQsb6SasVUFKcR-vE9p43axF3zMb00YiUt4uHY
                    [x] => TQgk8QFQJrmqS9AbRsu4kQbvjQZftET3RmM_RVWbqPM
                    [use] => sig
                    [crv] => P-256
                    [kty] => EC
                    [y] => k-lU9W8-sMjI1QMVWSnj5jLTnRU4LdVN73xoKK1ZdYk
                )
        )
    )

[https://surfnet.nl/oidc] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [use] => sig
                    [kid] => EtVYnlf5DKTAnHwgj3s71s5sBmJX6kJzwMUfGP6o3nI
                    [kty] => RSA
                    [e] => AQAB

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```
[n] => uG0u8IvoykVzbvvnJWMILAfK0jR9C0YLFsFI-g0bWl3CZ5jwZTd2wF0M0S6Q2sKGMcmgIs3kdTWu2zPSTFSYDd
)

[1] => Array
(
    [kid] => iGaT7pJkGjIpr2_-QpoiGdYXXuudl1BZeL7u8Rm4ZDs
    [x] => UQ_AzqvES9MVWaGkh1q_JPJfBS7NR8a-hcusSCyAKCg
    [use] => sig
    [crv] => P-256
    [kty] => EC
    [y] => V4Rqiu0BUwQkCbvdTn1bwRQ0lI80heoTCitl0ZedSN0
)

)

)

)

[jti] => f85d254646934ae397a28c16c45c8302
[iat] => 1504790303
[kid] => DmMQFqFdsIS0tSmjYwcpQJ3B5MGr18SV4gCtLnh-7sE
[iss] => https://localhost
)

)

)

=====Verify (Keys Bundle) signature result=====
Array
(
    [exp] => 1504790303
    [bundle] => Array
        (
            [https://cs.example.org] => Array
                (
                    [keys] => Array
                        (
                            [0] => Array
                                (
                                    [use] => sig
                                    [kid] => Nv2rQSMU1rduk1d6E-0Rqfsz_ty4xzlH146R6QLC7Pk
                                    [kty] => RSA
                                    [e] => AQAB
                                    [n] => 10V0AC5Gk_gFIh1lz5fz08Wto5-GzLZ9x45I1LSZBZHprCX-mwNzZGfoBocGpGfw3DYmFMzibHD6NNqThbOM7luZhZNurs
                                )

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

                            )

                        )

                    )

                )

            [https://bogus.example.org] => Array
                (
                    [keys] => Array
                        (
                            [0] => Array
                                (
                                    [use] => sig
                                    [kid] => jPGFpGx0U476u5f0bGmu0VM0xBCdPV4QXPW7weukKlA
                                    [kty] => RSA
                                    [e] => AQAB
                                    [n] => uWlJPVwskaHu2m3u5PL7Kpk5xZN2uSv9GvR-yWsY905ieAb902S08WUfNZ4uH1zVj02CUx2wl0Zd1bPYvW_wrQ_pzcJ2iY
                                )

                            [1] => Array
                                (
                                    [kid] => bwdViYIJTCQD_nme26iAv5pgBNBUESQ220RnoAgmE1U
                                    [x] => xX9lrKm3sKRPERmxWijqxD5VXcDT-hblZk5jajbMR9w
                                    [use] => sig
                                    [crv] => P-256
                                    [kty] => EC
                                    [y] => Gb2Bwd2bR5ca61BGlmnt7CU3tj8k0o7uBN-Lm2zgmo0
                                )

                            )

                        )

                    )

                )

            [https://example.org/op] => Array
                (
                    [keys] => Array
                        (
                            [0] => Array
```



```

(
    [use] => sig
    [kid] => j2HoeEz5f4U8KkWW1a6tJ5SXJCfx0TTN6vL7jE7ZpJ4
    [kty] => RSA
    [e] => AQAB
    [n] => t0L_IJGiE6McN0f16GeR5ZiR8W0jb_pzJErQtRm3xpsbHRRBuYSLYM0ea4R-eZvU8X9G7J9qVeYZ6ILZ2pS2TSBRrKYWS7
)

[1] => Array
(
    [kid] => c5DIPFhC3LmNoiwAx1Qu-La3tvFbQ4uZq_VbrTp0WbM
    [x] => 1sEpNSicJNoLci4TBJ1bTCW-zmKSPuKB6irwhHtFopE
    [use] => sig
    [crv] => P-256
    [kty] => EC
    [y] => CFSdvlmJkhLq1TMkmw8sLkfWzHhJqlcdqnM7a-geBuc
)

)

)

[https://sunet.se/op] => Array
(
    [keys] => Array
    (
        [0] => Array
        (
            [use] => sig
            [kid] => 9P6xnUZKD2yuXnGox-_iSNiDuIIatqaJFDfrX38SbIc
            [kty] => RSA
            [e] => AQAB
            [n] => 0LxoAzZM47uGLaAv7Hov5yngWVBBYKCSU_Ht3LEuj_L2Dt7iKHoz5QabKvpHgy7IxiJh0Yw3W5wefTJuHx6VfTo6GpIKb3
        )

        [1] => Array
        (
            [kid] => u6p5d34mmzCHqYwakPrALsAPR1nVsHQNuVyw8b6KsA
            [x] => JWVPRv1t9Iu_nyhWUsmUILH-R0d5kOuEm97Tv_EJ2pg
            [use] => sig
            [crv] => P-256
            [kty] => EC
            [y] => w4ysBsoCPy4qvoCU7fIrqvbnrnlvQeqoJAL-Xwj1c1c
        )

    )

)

[https://www.feide.no] => Array
(
    [keys] => Array
    (
        [0] => Array
        (
            [use] => sig
            [kid] => rYMbPo0m8coyar99IuueCmw0zj-Jfw_iUiXIPJXVSb4
            [kty] => RSA
            [e] => AQAB
            [n] => 0KYqihtkUYCoPtcaSN-PkofcGBhSsLbC5_rsDLtdP6dJJDeEgSsLi2LHUJsG_CRmP2ao_csWqPf4yx4ituNZzQ48sXWJ1T
        )

        [1] => Array
        (
            [kid] => D83wp7iqD74HCE8oA6AlyHW6vVJvjMd1j_NgLabvags
            [x] => 5t2Aar9dGt6DhcQHH6h-VZRwMkF6LXLDCo7LInERL0
            [use] => sig
            [crv] => P-256
            [kty] => EC
            [y] => FvnRLMiWCIEQ0tQ_IiWpQfoTpVAnUJ1MWucU6jtRWnA
        )

    )

)

[https://uninett.no] => Array
(
    [keys] => Array
    (
        [0] => Array
        (
            [use] => sig
            [kid] => Gjtc0fNcG3CwapnZ_m_Z3aurjkRBZFIGaI6wSrwL1_E
            [kty] => RSA
            [e] => AQAB
            [n] => rsvdjcxV276KdcorteRGSdY_mAISnWQql7iJ-M9EwrPVrqvtiP5bAjEzwnY8K0zQdj7Cjz718lAWH5QpNvY3t0gewwMpz5
        )

        [1] => Array
        (
            [kid] => TZI8IKS12a5SGkA4bZpUxU46nR8sllhp-J9BefkLRtg

```

```

        [x] => VeGzY46M84wp5rsv98-sQnb4HQDvPUTF4G8v5Q550tU
        [use] => sig
        [crv] => P-256
        [kty] => EC
        [y] => V9nYCC0ra7STdEsgYUmK3b-lDkr-n71riY-551Y-VkQ
    )
)
)
[https://example.org] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [use] => sig
                    [kid] => T0s-IBoRy224E8-Xhs7IfgBwwubT9rEf4JRvDE5eIQo
                    [kty] => RSA
                    [e] => AQAB
                    [n] => t7GNJVeSMoSe0nD6UgArZGQ_vjIciNxSmyUB8q5KM9UZF_6npQG5zDUfKXmWwQM8e9-Tw14dyWina3eQlin1Q2BzyaBum1
                )
            [1] => Array
                (
                    [kid] => a5QEwqF_nv4lj3H_zhq2pIpUiY4qDftamnXneS2yVp0
                    [x] => C_kXLgdamJp3NF58jGebeCZ505-pKY-4JoWutT_RvVM
                    [use] => sig
                    [crv] => P-256
                    [kty] => EC
                    [y] => f1nionL1n7Fs14RY1iae_Y1430cA27dWE8njPZZC_1s
                )
            )
        )
)
[https://swamid.sunet.se] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [use] => sig
                    [kid] => ihRpWzYYx6yP_Ny30GoCmBxjl9K1ycs-SrSEVwP8eD8
                    [kty] => RSA
                    [e] => AQAB
                    [n] => ntIVV0M62X0LscH1C8BFabr2BL67sW1eWEGokGDUabEqsvAKzZCiQfYMvphnou6kXhtxX0MttzchGpI2rf1e1Wd581GfyX
                )
            [1] => Array
                (
                    [kid] => 6VX4aRYeuBpNw-S4ovg1NXs45YiTVDwGs82Pk13I43I
                    [x] => RW5AVta_Jm4CMWEU71rH3e-FwfmU2oN9poF6jhtJ5XY
                    [use] => sig
                    [crv] => P-256
                    [kty] => EC
                    [y] => YjeDuiwhxcIHvzS61tUNvyGWpn-PvD0s-E2dXndVmv0
                )
            )
        )
)
[https://example.com] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [use] => sig
                    [kid] => 7TnWOKF0Znlsf-ok08w7oFL474A4Iux0QqwSiLz3MS4
                    [kty] => RSA
                    [e] => AQAB
                    [n] => otD_zD70kTHNMKF-SxbB_u9_v4edwGB3vKRfF2WnR2Cq4qqfFEJPb_KuISoiHstSpsgHgs7EDL2P9_0RQcgip_ctY0rISl
                )
            [1] => Array
                (
                    [kid] => OAP6u4sbyKjnaAl3vFdAAW0xZ1n5LYk_RYfCJgAQTZc
                    [x] => _vTc68Qzjye3BAjBxuP3AwCPWDAK2jKM_7dvoFZgwPQ
                    [use] => sig
                    [crv] => P-256
                    [kty] => EC
                    [y] => iah0yb361kjkx9jW82dKiPBbzmlbdh0Grw5deorUMIA
                )
            )
        )
)

```

```
[https://edugain.com] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [use] => sig
                    [kid] => 2kmUXi6jS9rQ6BzWst2rJGwwXvZSfwRouR1u8ezSpfA
                    [kty] => RSA
                    [e] => AQAB
                    [n] => wTc569WwiJU6BPgnSu8rtQTt4Gq-r0X3C0cWNic_wEhLMX3NjQI5ybNvII_D3PCLA_E0hKxKDKLzQ0zx2z8fMrX2XqS8m
                )
            [1] => Array
                (
                    [kid] => 40bcVvr2xZb0WG3sRpKBc7bgPm8-_4QeQ9cPeURh6C4
                    [x] => XvHoQhsv8v48QL_L86wBYUswyzXf6Uv1790g3zy7LYc
                    [use] => sig
                    [crv] => P-256
                    [kty] => EC
                    [y] => 1iZntic5EqwhkGK9h6AVf7tkcEmuukv1itCbh45xZtc
                )
        )
    )
[https://sunet.se] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [use] => sig
                    [kid] => g4WMxVrLEHVN1tLzbKMWGn75Z0cCULfeZThw-wh27cM
                    [kty] => RSA
                    [e] => AQAB
                    [n] => v18QjGp2yUZLbsCGcXBNLxH0rew24wuWER3pGW036YJYn_NT0RP5zQGBzs48zu-YIGKgXD8kMMRzQB0LzQY_4ViTJI9nrZ
                )
            [1] => Array
                (
                    [kid] => BEfveNQsb6SasVUFKcR-vE9p43axF3zMb00YiUt4uHY
                    [x] => TQGk8QFQJrmqS9AbRsu4kQbvjQZftET3RmM_RVWbqPM
                    [use] => sig
                    [crv] => P-256
                    [kty] => EC
                    [y] => k-lU9W8-sMjI1QMvWSnj5jLTnRU4LdVN73xoKK1ZdYk
                )
        )
    )
[https://surfnnet.nl/oidc] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [use] => sig
                    [kid] => EtVYnlf5DKTAnHwgj3s71s5sBmJX6kJzwMUfGP6o3nI
                    [kty] => RSA
                    [e] => AQAB
                    [n] => uG0u8IvoykVzbvvnJWMILAFk0jR9C0YLFsFI-g0bWl3CZ5jwZTd2wFOM0S6Q2sKGMcmgIs3kdTWu2zPSTFSYDdad_oASb4
                )
            [1] => Array
                (
                    [kid] => iGaT7pJkGjIpr2_-QpoiGdYXXuudl1BZel7u8Rm4ZDs
                    [x] => UQ_AzqvES9MVWaGkh1q_JPJfBS7NR8a-hcusSCyAKCg
                    [use] => sig
                    [crv] => P-256
                    [kty] => EC
                    [y] => V4Rqiu0BUwQkCbvdTn1bwRQ0lI80heoTCItl0ZedSN0
                )
        )
    )
[jti] => f85d254646934ae397a28c16c45c8302
[iat] => 1504790303
[kid] => DmMQFqFdsIS0tSmjYwcpQJ3B5MGr18SV4gCtLnh-7sE
[iss] => https://localhost
)
```

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

http://81.180.68.10/~constantin/oidcfed/github/oidcfed_lib_php_rp/tests_oidcfed/rp-sms-single-l2.php

```
[4] => ES384
[5] => ES512
[6] => HS256
[7] => HS384
[8] => HS512
[9] => PS256
[10] => PS384
[11] => PS512
)

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

[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
)

[iat] => 1504790303
[kid] => g4WMxVrLEHVN1tLzbKMwGn75Z0cCulfeZThW-wh27cM
[iss] => https://sunet.se
[userinfo_endpoint] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2/userinfo
[scopes_supported] => Array
(
    [0] => email
    [1] => address
    [2] => offline_access
    [3] => phone
    [4] => openid
    [5] => profile
    [6] => openid
)

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

[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
)

[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
)

[require_request_uri_registration] => 1
```

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

[signing_keys] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [use] => sig
                    [kid] => 6IafS4XvY-KBUc9WvL7XBxqw8qInK1xGQzFSMawowY
                    [kty] => RSA
                    [e] => AQAB
                    [n] => oXnTfhG-Sz5TMMsFJreF7VFQZ49VU7TlS80AQThDclIbV-lts1pQy6ys22Pzi bHLWms78cH-ysDuk5kuAKqeV2iCjhHZMuXJ0jGARL
                )

            [1] => Array
                (
                    [use] => sig
                    [x] => ym7AZl9Ri6_96BbdX9sFqsPbipj1nvCY3AseBZhNCZs
                    [kid] => b9PWlKRygSOTPeSBoZDGRt5ZU1odtNNRAjaKUHYQ8LA
                    [crv] => P-256
                    [kty] => EC
                    [y] => PE8BaptLhYsV4_VzfUj-gcZcD6rvynz0iPXj_vywZ6M
                )
            )
        )

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

[jwks_uri] => https://agaton-sax.com:8080/static/jwks_tEsxhSKXND9sJv13.json
[request_parameter_supported] => 1
[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_modes_supported] => Array
(
    [0] => query
    [1] => fragment
    [2] => form_post
)

[token_endpoint] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2/token
[subject_types_supported] => Array
(
    [0] => public
    [1] => pairwise
)

[request_uri_parameter_supported] => 1
[end_session_endpoint] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2/end_session
[token_endpoint_auth_methods_supported] => Array
(
    [0] => client_secret_post
    [1] => client_secret_basic
    [2] => client_secret_jwt
    [3] => private_key_jwt
)

[claims_supported] => Array
(
    [0] => family_name
    [1] => middle_name
    [2] => sub
```

```
[3] => zoneinfo
[4] => gender
[5] => given_name
[6] => birthdate
[7] => phone_number_verified
[8] => picture
[9] => preferred_username
[10] => phone_number
[11] => email
[12] => email_verified
[13] => website
[14] => address
[15] => nickname
[16] => updated_at
[17] => name
[18] => locale
[19] => profile
)

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

[exp] => 1504793903
[issuer] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l2
[id_token_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
[acr_values_supported] => Array
(
    [0] => PASSWORD
)

[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
)

[claims_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
)
)
```