

Full url:

<https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l0>

=====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-l0/token
    [jwks_uri] => https://agaton-sax.com:8080/static/jwks_briKgMiZu8z4LoaZ.json
    [userinfo_endpoint] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l0/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
        )
)
```

```
[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://swamid.sunet.se] => eyJhbGciOiJSUzI1NiIsImtpZCI6ImloUnBXellZeDZ5UF90eTNPR29DbUJ4amw5SzMzF5Y3NfU3JTRVZ3UDhlRDgi fQ.eyJpZ
)

[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-l0/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
)

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

[registration_endpoint] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l0/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-l0
[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-l0/authorization
)

=====Keys Bundle=====
eyJhbGciOiJSUzI1NiIsImtpZCI6ImNabVpUZ05aVzgzSEI1RTRBNHJFMnY2bzBmMjFKYXlsMDNfSkJHOGphTE0ifQ.eyJpYXQiOiAxNTA1MzEwMTQ1LCAiYnVuZGxlIjojogeyJodH
=====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
                        )
                )
        )
)

```

[http://81.180.68.10/~constantin/oidcfed/github/oidcfed\\_lib\\_php\\_rp/tests\\_oidcfed/rp-sms-single-l0.php](http://81.180.68.10/~constantin/oidcfed/github/oidcfed_lib_php_rp/tests_oidcfed/rp-sms-single-l0.php)

```

(
    [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-ok08w7oFL474A4IuxOQqwSiLz3MS4
            [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] => f1nionLin7Fsl4RY1iae_Y1430cA27dWE8njPZZC_1s
            [use] => sig
            [x] => C_kXLgdamJp3NF58jGebeCZ505-pKY-4JoWutT_RvVM
            [kid] => a5QEWqF_nv4lj3H_zhq2pIpUiY4qDftamnXneS2yVp0
        )

    )

)

[https://sunet.se] => Array
(
    [keys] => Array
    (
        [0] => Array
        (
            [kid] => g4WMxVrLEHVN1tLzbKMwGn75Z0ccU1feZThW-wh27cM
            [kty] => RSA
            [use] => sig
            [n] => v18QjGp2yUZLbsCGcXBNLxH0rew24wuWER3pGW036YJYn_NT0RP5zQGBzs48zu-YIGKgXD8kMMRzQB0LzQY_4V
            [e] => AQAB
        )

        [1] => Array
        (
            [kty] => EC
            [crv] => P-256
            [y] => k-lU9W8-sMjILQMVWSnj5jLTnRU4LdVN73xoKK1ZdYk
            [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-gObWl3CZ5jwZTd2wF0M0S6Q2sKGMcmgIs3kdTWu2zPSTFSYDd
                    [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-S4ovg1NXs45YiTVDwGs82Pk13I43I
                )

        )

    )

[https://bogus.example.org] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [kid] => jPGFpGx0U476u5f0bGmu0VM0xBCdPV4QXPW7weukKlA
                    [kty] => RSA
                    [use] => sig

```

```

[n] => uWlJPVwskaHu2m3u5PL7Kpk5xZN2uSv9GvR-yWsY905ieAb902S08WUfNZ4uH1zVj02CUx2wL0ZdlbPYvW_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_L86wBYUsywwzXf6Uv1790g3zy7LYc
            [kid] => 40bcVvr2xZb0WG3sRpKBc7bgPm8-_4QeQ9cPeURh6C4
        )
    )
)

)

[https://sunet.se/op] => Array
(
    [keys] => Array
    (
        [0] => Array
        (
            [kid] => 9P6xnUZKD2yuXnGox-_iSNiDuIIatqaJFDfrX38SbIc
            [kty] => RSA
            [use] => sig
            [n] => 0LxoAzZM47uGLaAv7Hov5yngWVBByKCSU_Ht3LEuj_L2Dt7iKHoz5QabKvpHgy7Ixijh0Yw3W5weftJuHx6Vft
            [e] => AQAB
        )

        [1] => Array
        (
            [kty] => EC
            [crv] => P-256
            [y] => w4ysBsoCPy4qvoCU7fIrqvbnrLvQeqoJAL-Xwj1c1c
            [use] => sig
            [x] => JWVPRv1t9Iu_nyhWUsmUILH-R0d5k0uEm97Tv_EJ2pg
            [kid] => u6p5d34mmzCHqYwakPrALsAPR1nVsHQNuNuVyw8b6KsA
        )
    )
)

)

[https://cs.example.org] => Array
(
    [keys] => Array
    (
        [0] => Array
        (
            [kid] => Nv2rQSMU1rduk1d6E-0Rqfsz_tY4xzLH146R6QLC7Pk
            [kty] => RSA
            [use] => sig
            [n] => 10V0AC5Gk_gFIh1lz5fz08Wto5-GzLZ9x45I1LSZBZHpRCX-mwNzZGfoBocGpGfw3DYmFMzi bHD6NNqThb0M7l
            [e] => AQAB
        )

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

```

```

        [kid] => gexCBYBxSIxpP-QtsV1LkG1m5AeFbP-Q0awKWR_5vLk
    )
)
)
)
[jti] => c1a8a5afab3248f0806bbaa6ea84d501
[exp] => 1505310145
[kid] => cZmZTgNZW88HA5E4A4rE2v6o0f21Jayl03_JBG8jaLM
[iss] => https://localhost
)
)

=====Verify (Keys Bundle) signature result=====
Array
(
    [iat] => 1505310145
    [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_IIwPqfoTpVAnUJJ1MWucU6jtRWnA
                                    [use] => sig
                                    [x] => 5t2Aar9dGt6DhcQHH6h-VZRwMkF6LLXLDCo7LInERL0
                                    [kid] => D83wp7iqD74HCE8oA6AlyHW6vVJvjMd1j_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] => CFSdvLmJkhLq1TMkmw8sLkfWzHhJqlcdqnM7a-geBuc
                            [use] => sig
                            [x] => 1sEpNSicJNoLci4TBJ1bTCW-zmKSPuKB6irwhHtFopE
                            [kid] => c5DIPFhC3LmNoiAx1Qu-La3tvFbQ4uZq_VbrTp0WbM
                        )
                    )
                )
            )
        )
    [https://example.com] => Array
        (
            [keys] => Array
                (
                    [0] => Array
                        (
                            [kid] => 7TnW0KF0Znlsf-ok08w7oFL474A4Iux0QqwSI1z3MS4
                            [kty] => RSA
                            [use] => sig
                            [n] => otD_zD70kTHNMKF-SxbB_u9_v4edwGB3vKRfF2WnR2Cq4qqfFEJPb_KuISoiHstSpSgHgs7EDL2P9_0RQcgip_ctY0rISl
                            [e] => AQAB
                        )
                    [1] => Array
                        (

```



```

        [kty] => EC
        [crv] => P-256
        [y] => iahOyb361kjkx9jW82dKiPBbzmlbdh0Grw5deoruMIA
        [use] => sig
        [x] => _vTc68Qzjye3BAjBxuP3AwCPWDAK2jKM_7dvoFZgwPQ
        [kid] => OAP6u4sbyKjnaAl3vFdAAW0xZln5LYk_RYfCJgAQTZc
    )
)
)

[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] => f1nionL1n7Fs14RY1iae_Y1430cA27dWE8njPZZC_1s
                    [use] => sig
                    [x] => C_kXLgdamJp3NF58jGebeCZ505-pKY-4JoWutT_RvVM
                    [kid] => a5QEWqF_nv4lj3H_zhq2pIpUiY4qDftamnXneS2yVp0
                )
            )
        )
)

[https://sunet.se] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [kid] => g4WMxVrLEHVN1tLzbKMWGn75Z0cCUlfeZThW-wh27cM
                    [kty] => RSA
                    [use] => sig
                    [n] => vl8QjGp2yUZLbsCGcXBNLxH0rew24wuWER3pGWO36YJYn_NT0RP5zQGBzs48zu-YIGKgXD8kMMRzQBOLzQY_4ViTJI9nrZ
                    [e] => AQAB
                )

            [1] => Array
                (
                    [kty] => EC
                    [crv] => P-256
                    [y] => k-lU9W8-sMjIlQMvWSnj5jLTnRU4LdVN73xoKK1ZdYk
                    [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-M9EWrPvrqvtpiP5bAjEzwnY8K0zQdj7Cjz718lAWH5QpNvY3t0gewwMpz5
                    [e] => AQAB
                )

            [1] => Array
                (
                    [kty] => EC
                    [crv] => P-256
                    [y] => V9nYCc0ra7STdEsgYUmK3b-lDkr-n71riY-551Y-VkQ
                    [use] => sig
                    [x] => VeGzY46M84wp5rsy98-sQnb4HQDvPUTF4G8v5Q550tU
                    [kid] => TZI8IKS12a5SGkA4bZpUxU46nR8sllhp-J9BefkLRtg
                )
            )
        )
)

```

```
[https://surfnet.nl/oidc] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [kid] => EtVYnlf5DKTAnHwgj3s71s5sBmJX6kJzwMUF6P6o3nI
                    [kty] => RSA
                    [use] => sig
                    [n] => uG0u8IvoykVzbvvnJWMILAfK0jR9C0YLFsFI-g0bWl3CZ5jwZTd2wFOM0S6Q2sKGMCMgIs3kdTWu2zPSTFSYDdad_oASb4
                    [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] => ntIIVOM62X0LscH1C8BFabr2BL67sw1eWEGokGDUabEqsVAKZCiQfYMvphou6kXhtxXOMttzchGpI2rfLElWd581GfyX
                    [e] => AQAB
                )
            [1] => Array
                (
                    [kty] => EC
                    [crv] => P-256
                    [y] => YjeDuiwhxcIHvzS61tUNvyGWpn-PvD0s-E2dXndVmv0
                    [use] => sig
                    [x] => RW5AVta_Jm4CMWEU71rH3e-Fwfm2oN9poF6jhtJ5XY
                    [kid] => 6VX4aRYeuBpNw-S4ovg1NXs45YiTVDwGs82Pk13I43I
                )
        )
    )

[https://bogus.example.org] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [kid] => jPGFpGx0U476u5f0bGmu0VM0xBCdPV4QXPW7weukKlA
                    [kty] => RSA
                    [use] => sig
                    [n] => uWlJPVwskaHu2m3u5PL7Kpk5xZN2uSv9GvR-yWsY905ieAb902S08WUfNZ4uH1zVj02CUx2wl0ZdlbPYvW_wrQ_pzcJ2iY
                    [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] => wTc569WwiJU6BPgnSu8rtQTt4Gq-r0X3C0cWNic_wEh1MX3NjQI5ybNvII_D3PCLAE0hxxKDKLzQ0zx2z8fMrX2XqS8m
```

```

        [e] => AQAB
    )

    [1] => Array
    (
        [kty] => EC
        [crv] => P-256
        [y] => 1iZntic5EqwhkGK9h6AVf7tkcEmuukv1itCbh45xZtc
        [use] => sig
        [x] => XvHoQhsv8v48QL_L86wBYUzywXf6Uv1790g3zy7LYc
        [kid] => 40bcVvr2xZb0WG3sRpKBc7bgPm8-_4QeQ9cPeURh6C4
    )

    )

    )

    [https://sunset.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] => w4ysBsoCPy4qvoCU7fIrqvbwnrlvQeqoJAL-Xwj1c1c
                [use] => sig
                [x] => JWVPRv1t9Iu_nyhWUsmUIILH-R0d5kOuEm97Tv_EJ2pg
                [kid] => u6p5d34mmzCHqYwakPrALsAPR1nVsHQNuNuVyw8b6KsA
            )

        )

    )

    [https://cs.example.org] => Array
    (
        [keys] => Array
        (
            [0] => Array
            (
                [kid] => Nv2rQSMU1rduk1d6E-0Rqfsz_tY4xzlH146R6QLC7Pk
                [kty] => RSA
                [use] => sig
                [n] => 10VOAC5Gk_gFIh1lz5fz08Wto5-GzLZ9x45I1LSZBZHprCX-mwNzZGfoBocGpGfw3DYmFMzibHD6NNqThb0M7luZhZNUrs
                [e] => AQAB
            )

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

        )

    )

    )

    [jti] => c1a8a5afab3248f0806bbaa6ea84d501
    [exp] => 1505310145
    [kid] => cZmZTgNZW88HA5E4A4rE2v6o0f21Jayl03_JBG8jaLM
    [iss] => https://localhost
)

```

=====Metadata Statements=====

====>>> Verified MS index: https://swamid.sunet.se <<<=====

Jose\Object\JWS Object

```

(
    [is_payload_detached:Jose\Object\JWS:private] =>
    [encoded_payload:Jose\Object\JWS:private] => eyJpZF90b2t1b19lbnNyeXB0aw9uX2FsZ192YXwx1ZXNfc3VwcG9ydGVkIjogWyJSU0ExXzUiLCAiUlnBLU9BRVAi
    [signatures:Jose\Object\JWS:private] => Array
    (
        [0] => Jose\Object\Signature Object
        (
            [encoded_protected_headers:Jose\Object\Signature:private] => eyJhbGciOiJIJSUzIiIiIsImtpZCI6ImloUnBxellZeDZ5UF90eTNPR29D
            [protected_headers:Jose\Object\Signature:private] => Array

```

```

    (
        [alg] => RS256
        [kid] => ihRpWzYYx6yP_Ny30GoCmBxjl9K1yCs_SrSEVwP8eD8
    )

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

    [signature:Jose\Object\Signature:private] => ŽX;ü'ICIU5ΩA'r"j@P<#E3/Λ,
    [signature_key:Jose\Object\Signature:private] =>

    )

    [payload:Jose\Object\JWS:private] => 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-l0/token
        [jwks_uri] => https://agaton-sax.com:8080/static/jwks_briKgMiZu8z4LoaZ.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-l0/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] => ihRpWzYYx6yP_Ny30GoCmBxjL9K1yCs_SrSEVwP8eD8
[grant_types_supported] => Array
(
    [0] => authorization_code
    [1] => implicit
    [2] => urn:ietf:params:oauth:grant-type:jwt-bearer
    [3] => refresh_token
)

[iss] => https://swamid.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-l0/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] => 1505313745
[registration_endpoint] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l0/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] => 1505310145
[issuer] => https://agaton-sax.com:8080/oidcfed-lib-php/rp-sms-single-l0
[signing_keys] => Array
(
    [keys] => Array
        (
            [0] => Array
                (
                    [use] => sig
                    [kty] => RSA
                    [kid] => ff_jllMx27uSQRDfeDCA4xd2lj4lD1p7UzPyVTiEBSM
                    [n] => yCHEVhGXTf0f2laMhwzeCFpDk-qU-ry8Sc7CYIF9Hs0rVaKcGiTeBcHwSB8JCqIXBUEK4KwtX-C1z-SsFzPXV76LJIOT_z
                    [e] => AQAB
                )
            [1] => Array
                (
                    [kty] => EC
                    [crv] => P-256
                    [y] => PKMVI3ZinhRn7kxYKSQJ5Ysgdsvz0Lj9GqxjGXYm0I
                    [kid] => ahXP-3oIqapwnDJswKGU5Gh3GuLFMvcEeJpT6GDKFPU
                    [x] => M-nCLA1oyegN2_CfKFLhb-32CVgg0bH8z0eIPsfyBpA
                    [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-l0/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
dHkgTHRkMB4XDTE3MDkxMzEzNDIyNLoXDTE4MDkxMzEzNDIyNLowRTElMAKGA1UE
BhMCVUxvEzARBGNVBAGMCLNvbWUtU3RhdGUxITAFBgNVBAAoMGEldudGVybmV0IFdp
ZGdpdHMgUHR5IEEx0ZDCCAiIwDQYJKoZIhvcNAQEBBQADggIPADCCAgoCggIBAML3
Dc0E41KofhMPYnEbVwUD90anxgHQly6wxwAjkLJYSL0f8n0G1tFNCbfa9mchurAB
m/P/ZmUla8qi0aJFYODdljKYM+qb5k5w67tLN0wvawv1P3T7/LMoLCLJDqFnt3D9
EabWh4VyLPFckxFa78h07lhkR8rwpA3TKEH6J3ePeKMYuX8vshkklqnX9Px3JBft
VB+Vz0uABKrrJCc8n49iJ5VPClAwlddgjPWfwupU1wcUvLekZ0MN+ikyXDabcgAX
J60CwEM41Zwfk05iKNv82v4CeBvC1yHMnGqDUStoTduffEn+gqU3rKgX4tkiZK
a44jnBW0G5XUPA6vvhtd5l9gdfQHbWr6X/MEqCSkVYtb+e9Thxs8+P20A/MA/oW
CZxqChn45NtcfFsKhPvA0YeWVPp66zatg8y0k7HUtgfnfS0omJt0YeKK96HM3LPwo
QNHVoffff/CZtQNi88pULQWbXpUHMAgP9CnyhUEyPA8qCA1ekuIL6nxagas38AGkx
EP9nDhfHiLhbPnsSqdrdm9Q5I9nBAwZSud0zcJT8fG1DsGx7v5szRLsYZFmS0aTe
ckqTNG9o289JGaLc7WixnHULqat9B8P7Zh+xEWovVlprRd2eRkc0gE3vfoJa/N7V
/G3vy8FfG3lGIHODISc9D17lTlAueoG6f3VyGUNJAgMBAAGjUDBOMB0GA1UdDgQW
BBQtGis+Qo/PKWu0mySGBEQj8QNNkZaFbGNVHSMEGDAWgBQtGis+Qo/PKWu0mySG
BEQj8QNNkZAMBGNVHRMEBTADAQH/MA0GCSqGSIb3DQEBBQUAA4ICAQA8s6KdNBPP
xwVXc8CDM1QNf62G5ljvSBRbUpXkFhh6vy8BV1UhVPBi9vjLYqmlVXKJxD1r5C87
9Tz91+0PS0wgAYmH53dr2kYjg+45qLmFlznpm7A+8JV72VGkXRPv4xYo/3GUDXhg
m1RJyFaJdjqc+P9A0ktm7Z0BuE/e/Kwu6P4mYwyR5YZs2UBVioi5eyPav2y5HbQb
CrxosoAxT2ZV0D0PzEJWw1aQvFeycXG4Lb/DlelUWdLgPXkjxcq9DxZkJqCHUm4l
foaqyEJFZPXvccckhSBVKrps9w4Bo3c+hXGYPRxuo0V61IfBHuo2gVD4nsutrC5b
eUx9492mG9V7s28RHxBdH4db75JjWkH2mmF33vqoT2hb+EdeABqmH637iSucnY+e
RNmGxkbEhA8MwaCCzGb3/C5h6Ga0SrgDYEE3S4wKhVKXGHMOSQrsKvoP5584LVWt
qS6D6rgQ+yvK4oqEU7KwjqtJjeeYII0gVuzRKnjcLfw5p4lqe5eB+ibDh01Vf0DzR
NDPZ7mCHN9kZW29nJehd+mC9xL8ewgLe9ThJZ9UpREr3oIqy9HNwkOgBaqdTf0ig
HnmTHq+XIz0FnMTYqti fNEqxsRpWAMt+OgoFZcXRjhSHsOPNdL47f70XenSECY2C
pfzHH6LVv2vkZPxN9fI1wq0ny0IuJ7BgTQ==
-----END CERTIFICATE-----
```

Here we have registered client with ID: QM3J2p03xUfC  
And client secret: 1f78b399d7ce2b40175359839bc55bb7d81aa999a0e111e8a6acb760