

SURFsecureID Metadata for Service Providers

i The SURFsecureID Production, Pilot and Test environments use different `AuthnContextClassRef` identifiers.

- Production environment
 - Second Factor Only (SFO) endpoint
 - Metadata signing certificate
- Pilot environment
 - Second Factor Only (SFO) endpoint
- Test environment
 - Second Factor Only (SFO) endpoint
 - Metadata signing certificate

Production environment

i On juli 2nd 2020 the signing certificate of SURFsecureID production will be replaced. For more information see [SURFsecureID Key Rollover](#)

i The metadata of the SURFsecureID production environment was moved to a new location. All metadata is now hosted on <https://metad.ata.surfconext.nl>.

Click [here](#) for the **SAML 2.0 metadata for the Production environment**.

Click [here](#) for the supported `AuthenticationConextClassRef` identifiers.

EntityID	<code>https://sa-gw.surfconext.nl/authentication/metadata</code>
Metadata	<code>https://metadata.surfconext.nl/surfsecureid-metadata.xml</code>
signing certificate (current) (download certificate as PEM .crt file)	<pre>-----BEGIN CERTIFICATE----- MIICsGCCAZoCCQDHN3+HzELEDDBgkqhkiG9w0BAQUFADAbMRkwFwYDVQQDFBbn YXRld2F5X3NhbwXfaWRwMB4XDTE1MDcyMzEyMTUxOVoXDTEwMDcyMTEyMTUxOVow GzEZMBcGA1UEAxQZ2F0ZXdhV9zYW1sX2lkDCCASiWdQYJKoZIhvcNAQEBBQAD ggEPADCCAQoCggEBALK/JwHwD5JftXYK09qcTQ4dfkEnl35oJj6P1EyR6gpikdpg m2OY/zy4e7vcXfBChedVF3OUI4rRDWCz4yXT2sldzjuIyONJfA86xva51xDARqT/ +gRBuZ2pyMTb0okv1lG9Z1AjPumVH1459lrp6OGT5TJIKILQ/pKp1INdiBqpiR53 Z5YvsXEUIJ8PHHZyILO00HnBldq0d77lmATr6QamXpbY+CZ9pIw65t32fhFcUfRC6 8C81/P2crCn3v5GMyrQcM/tB/xdVf/haEZiqgI /bjcreBpQobnAhwEsve+uvbSLF N1Rsc7o0W/7Pn6EGBX1h9rjKjDgqssHuWkVuU4sCAwEAATANBgkqhkiG9w0BAQUF AAOCAQEAm1qfTVEfGDeqqquAMDG5IKDo6h2lwwByyWNBRhImfOvL6FqIqAgx+D3 gxW1l041PcqqQKYIVUEAuYv+tW8COLdHcFRh/UV9ei4iqumWbCKO/XOoMC9FsRBo 3yPaQC1RK8OYjlIXer4JXNuFHeLb1zf+GLYFogMWWwT2dnBLAePoEgANKUm2aasx yiJmnroNa+05zTP9ExT3qHphCCG1gh3iHrQu9iSEJxY12zAQYtPomIs8Vk/GBfj+ ucUiBEEqaMpCH+t6f0VOIoP1SNHgNAaeBLVuOpS0V1LnwZFJkNPVOQpFgRuoFsH3 /9i53Fs3eQreb9wzq2VkjDhh1c5eyA== -----END CERTIFICATE-----</pre>

signing certificate (new)	<pre> -----BEGIN CERTIFICATE----- MIIDsjCCAhoCCQDaq/SxtExjXTANBqkqhkiG9w0BAQsFADAbMRkwFwYDVQQDDDBN YXRld2F5X3NhbwxfawRwMB4XDTEwMDQwOTEwNDExNV0XDTE1MDQwODEwNDExNVow GzEZMBcGA1UEAwwQZ2F0ZXdhV9zYW1sX2lkDCCAAIwDQYJKoZIhvcNAQEBBQAD ggGPADCCAyoCggGBAL7dfZ65PjUxW9yRXRoJ0PDiSh2J0WZ792krxj00jJkyB/eF PnVg5hTVbt85qDkkZuiK8Ym0Suzeo1PA46fRALhnaJQ22GQzKlmybQIAXZbs739g 49QAnoKY+wQW205EptuQ8Y7BqFg+fmXKko4gTlpX3FP5PTp18no99kKcCbX8hq9E faBKdlPOGvFUUFnTalcSm3djHnmn+/KuIMXM4HEgQ6fgHlqsJPWAXBqKBWxvQdTd e56dr2T64qNyj7t3u54rTcaip6c3vyTB80w8CK9M5mTTqp/Z+kxqhb255UUpLWlh zySgPffzSE4jtr05o1kW+d4oMONKqYxlouUPhoUN5YBL3a1H0c8ns+hg1x5hBB5tW QpwY34ZpH+43RflHXdJ6/MxCY7odMuvuca/4iTyRXpkPoGleqguHx9Rve /yFGa+N vTZIo4YBoOESgcDyJU+Xr1kmWmyMpYkn6TPdYMKo/bMQkFAE48JhRedpvHwPirT1 PfUiCy/SLWy0HN0wCQIDAQABMA0GCSqGSIb3DQEBCwUAA4IBgQCPFBv53LMD5w 2VpdmZCJUhg09uIu5F3Cy8eGg+hTLtb2CC9f66Ue/CsH4qrBFGSuBwdsBWS3fzVw mPYbI882J7JtLXZCOyZFMVKaL2kk5D5pP8/NBCam9+cDnJ4zjYJJS3wcY2VMjH24 fNYu+Fix6p4mL8o8itTCqJhb4z4Ft8GZigxD8DXB/jYUTHWtS5ubMs /mOwxuQ2U E7QFdeE064TqSPpRVI8PBpxetRy5n00/JGFNou/pivUtaVrMA3LzPikxzlcddzf2 zUSaWnAGf1JoPXRWjMq5F1C/hZvW7qDX0jrYK7UE3oXi4NhrER0EUFwCS0PrDQRd DEYs/kVZmPsMT9thR0111B7xU8xFOaYyOdPltCY2jqBruspx9ApnRI+es5j8Lr /q TbILTe3pVdNgWoNiEIBj2mINQQp000TqXSzbWO+nLJSkbZhPZAXyX9ZP00aU4Sbn kkGJ29xWeqSL+Jh+rUSyMFU16Ri7gHZce+3VgkgyzvSBQFjfg6U= -----END CERTIFICATE----- </pre>
SingleSignOnService Location	https://sa-gw.surfconext.nl/authentication/single-sign-on
SingleSignOnService Binding	urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Redirect

You can use [OneGini](#) for testing.

Second Factor Only (SFO) endpoint

For [Second Factor Only \(SFO\)](#) authentication you must use a different endpoint with different metadata.

Click [here](#) for the **SAML 2.0 metadata for the SFO endpoint of the production environment**.

Click [here](#) for the supported `AuthenticationConextClassRef` identifiers.

EntityID	https://sa-gw.surfconext.nl/second-factor-only/metadata
Metadata	https://metadata.surfconext.nl/surfsecureid-sfo-metadata.xml
signing certificate (current) Until juli 2nd 2020 (download certificate as PEM .crt file)	<pre> -----BEGIN CERTIFICATE----- MIICsjCCAzoCCQDHN3+HzELEDANBqkqhkiG9w0BAQsFADAbMRkwFwYDVQQDDDBN YXRld2F5X3NhbwxfawRwMB4XDTEwMDQwOTEwNDExNV0XDTE1MDQwODEwNDExNVow GzEZMBcGA1UEAwwQZ2F0ZXdhV9zYW1sX2lkDCCASIdDQYJKoZIhvcNAQEBBQAD ggEPADCCAyoCggEBALK/JwhWd5JftXYK09qcTQ4dfkEnl35oJj6P1EYr6gpikdpg m2OY/zy4e7vcXfBChedVF3OUI4rRDWCz4yXT2sldzjuIyONJfA86xva51xDARqT/ +gRBUz2pyMTb0okv1lG9Z1AjpumVH14591rp6OGT5TJikILQ/pKp1INdiBqpiR53 Z5YvsXEUJ8PHHZyILO00HnBldq0d77lmATr6QamXpbY+CZ9pIw65t32fhFcuFRc6 8C81/P2crCn3v5GMyrQcM/tB/xdVf/haEziqgI /bjcreBpQobnAhwEsve+uvbSLF NlRsc7o0W/7Pn6EGBX1h9rjKjDgqssHuWkVuU4sCAwEAATANBqkqhkiG9w0BAQsF AAOCAQEAm1qfTvefGDeqqvAMDG5IKDo6h21wwByyWNBhimfOvL6FqIqAgx+D3 gxW1l041PcqqQKYIVUEAuYv+tW8COLdHcFRh/UV9ei4iquMwBCKo/XOoMC9FsRBo 3yPaQc1RK80Yj1IXer4JXNuFHeLb1zf+GLYFogMWWt2dnBLAePoEgANKUm2aasx yiJmnroNa+05zTP9ExT3qHphCCG1gh3iHrQu9iSEJxY12zAQYtPomIs8Vk/GBfj+ ucUiBEEqaMpCH+t6f0VOIoP1SNHqNAaeBLVuOpS0V1LnwZfJkNPVQpFgRuoFsh3 /9i53Fs3eQreb9wzq2VkjDhhlc5eyA== -----END CERTIFICATE----- </pre>

signing certificate (new) From juli 2nd 2020 (download certificate as PEM .crt file)	<pre> -----BEGIN CERTIFICATE----- MIIDsjCCAhoCCQDaq/SxtExjXTANBqkqhkiG9w0BAQsFADAbMRkwFwYDVQQDDDBBn YXRld2F5X3NhbwxfawRwMB4XDTIwMDQwOTEwNDE1NVoxDTI1MDQwODEwNDE1NVow GzEZMBcGA1UEAwwQZ2F0ZXdhV9zYW1sX2lkDCCAAIwDQYJKoZIhvcNAQEBBQAD ggGAPADCCAYoCggGBAL7dfZ65PjUxW9yRXRoJ0PDiSh2J0WZ792krxj00jJkyB/eF PnVg5hTVbt85qDkkZuiK8Ym0Suzeo1PA46fRALhna jQ22GQzK1mybQIAXZbs739g 49QAnoKY+wQW205EptuQ8Y7BqFg+fmxKko4gTlpX3FP5PTp18no99kKcCbX8hq9E faBkd1POGvFUJFnTalcSm3djHnmn+/KuIMXM4HEGQ6fgHlqsJPWAXBqKBWxvQdTd e56dr2T64qNyj7t3u54rTcaip6c3vyTB80w8CK9M5mTTqp/Z+kxqhb255UUpLWlh zySgPffzSE4jtr05o1kW+d4oMONKqYxlouUPhoUN5YBL3a1H0c8ns+hglx5hBB5tW QpwY34ZpH+43RflHXJd6/MxCY7odMuvuca/4iTyRXpkPoGleqguHx9Rve /yFGa+N vTZIo4YBoOESgcDy jU+Xr1kmWmyMpYkn6TPdYMKo/bMQkFAE48JhRedpvHWpIrTl PfUiCy/SLWy0HN0wCQIDAQABMA0GCSqGSIb3DQEBCwUAA4IBgQCPFBv53LMd5w 2VpdmZCJUhg09uIu5F3Cy8eGg+hTLtb2CC9f66Ue/CsH4qrBFGsUBWdSBWS3fzVw mPYbI882J7JtLXZCOyZFMVkaL2kk5D5pP8/NBCam9+cDnJ4zjYJJS3woc2VMjH24 fNYu+Fix6p4mL8o8itTCqJhb4zz4Ft8GZigxD8DXB/jYUThWtS5ubMs /mOwxuQ2U E7QFdeE064TqSPpRVI8PBpxetRy5n00/JGFNou/pivUTavRMA3LzPikxzlcddzf2 zUSaWnAGf1JoPxRWjMq5F1C/hZvW7qDX0jrYK7UE3oXi4NhrER0EUFwCS0PrDQRd DEYs/kVZmPsMT9thR0111B7xU8xFOaYYOdPltCY2jqBruspx9ApnRI+es5j8Lr /q TbILTe3pVdNgWoNIEIBj2mINQqp000TqXSzbWO+nLJSkbZhPZAXyX9ZP00aU4Sbn kkGJ29xWeqSL+Jh+rUSyMFU16Ri7gHZce+3VgkgyzvSBQFjfg6U= -----END CERTIFICATE----- </pre>
SingleSignOnService Location	https://sa-gw.surfconext.nl/second-factor-only/single-sign-on
SingleSignOnService Binding	urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Redirect

Metadata signing certificate

The metadata above of SURFsecureID production is signed with a key that corresponds to the public key embedded in the following certificate. You can use this certificate to verify that the metadata you use from SURFsecureID is valid.

- [SURFconext metadata signing certificate](#)

Pilot environment

Click [here](#) for the SAML 2.0 metadata for the Pilot environment.

Click [here](#) for the supported AuthenticationConextClassRef identifiers.

EntityID	https://gateway.pilot.stepup.surfconext.nl/authentication/metadata
signing certificate (download certificate as PEM .crt file)	<pre> -----BEGIN CERTIFICATE----- MIICwjCCAaoCCQDs1IDIiytYMTANBqkqhkiG9w0BAQUFADAJmSEwHwYDVQQDDDBhT dGVwdXAgUG1sb3QgR2F0ZXdhSBjZFAwHhcNMTUwMjI1MjI1MjI1MjI1MjI1MjI1MjI1 MTA0MTU5WjA jMSEwHwYDVQQDDDBhTdgVwdXAgUG1sb3QgR2F0ZXdhSBjZFAwggEi MA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQDz1SzxPhg+B+o0ulUcR499NoMh aP4oX0+zpzi2vfY+Q1qw8x6b0eeUrIk99IpMrWN74twvuQ/eIecLZXIYhG94AYGB 620OX7KMM8oCfdjc2I01k8d+/rsxUqH0U4DDVBryrMcLjLgwe2CMncdSBuc2LCg1 5TveClC/QW/NJ6rvDiRlGoLouqx+CLBd+z2gwC+Od7YTUVY+22XrVzatZ0Zuz8Wd vja4VxHzv9Qyi6ta78ah345HWLeZsIh6pRF80qX0lpPRgwQSVXNpT8IxvoL28ViV VGkLU5SmdS3fbfLzll5i3jHpwFcvRGPj5z8zmVZuDAka6P80WiKDVRg7gouXagMB AAEwDQYJKoZIhvcNAQEFBQADggEBANlnKHack17MfHi+01xb/ERuMkRpIGe j29RS WL0aFo jNpRjN2ihnuIjp4PPk98xQCKbVeN+PWXNqrschbUfC5ikcYP5hoU7WJrH AWvEwmNny1/UzckTsgNby8l0LFRzi68R92ZTumgFEBFYow9HzgC3HvDeBpRw/qFL ZjsYqA jezTeRtafx8NIaBtKabRr5hedwUpnzldFbPqLxRl00B/tqcUIqJ0jdpEFI Yus7VcBI6N6T1TKB4DyfqjbgzXhS5zrE1jFeKaamRWCqKUCeUfngoxQWlKd9LSBW RXjw0aM+P22WHdxxX/lrIneV5jVgOIlRgD00Dpxn0qie4XnIqzo= -----END CERTIFICATE----- </pre>
SingleSignOnService Location	https://gateway.pilot.stepup.surfconext.nl/authentication/single-sign-on
SingleSignOnService Binding	urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Redirect

Second Factor Only (SFO) endpoint


For second factor only authentication you must use a different endpoint with different metadata.


Click [here](#) for the SAML 2.0 metadata for the SFO endpoint of the Pilot environment.

Click [here](#) for the supported `AuthenticationContextClassRef` identifiers.

EntityID	https://gateway.pilot.stepup.surfconext.nl/second-factor-only/metadata
signing certificate (download certificate as PEM .crt file)	-----BEGIN CERTIFICATE----- MIICWjCCAaoCCQDs1IDIiytYMTANBgkqhkiG9w0BAQUFADAjMSEwHwYDVQDDbHTdGVwdXAgUG1sb3QgR2F0ZXdhZSBjZFAwHhcNMTUwMjI3MTA0MTU5WhcNMjUwMjI0MTA0MTU5WjA jMSEwHwYDVQDDbHTdGVwdXAgUG1sb3QgR2F0ZXdhZSBjZFAwggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQDz1SzxPhG+B+oU1UcR499NoMhaP4oX0+zpzi2vfY+Q1qw8x6b0eeUrIk99IpMrWN74twvuQ/eIecLZXIYhG94AYGB6200X7KMM8oCfdj2I0lk8d+/rsxUqH0U4DDVBryrMcLjLGwe2CmncSBuc2LCg15TveClC/QW/NJ6rvDiR1GoLouqx+CLBd+z2gwC+Od7YTUVY+22XrVzatZUZ8Wdvja4VxHvz9Qyi6ta78ah345HWLeZsIh6pRF80qX0lpPRgwQSVXNpT8IxvoL28ViVVGkLU5SmdS3fbfLzL5i3jHpWFcvRGPj5z8zmVZuDaka6P80WiKDVrg7gouXAgMBAEwdQYJKoZIhvcNAQEFBQADggEBANlnKHackl7MfHi+0lxb/ERuMkRpIGej29RSWL0aFo jNpRjN2ihnuIjp4PPk98xQCKbVeN+PWXNqrrschbUfC5ikcYP5hoU7WJrHAWvEwmMNy1/UzcKtSgNby8loLFRzi68R92ZTumgFEBFYow9HzgC3HvDeBpRw/qFLZjsYqAjezTeRtafx8NIaBtKabRr5hedwUpnz1dFbPqLxR1o0B/tqcUIqJ0jdpEFIYus7VcBI6N6T1TKB4DyfqjbgzxhS5zrEljFeKaamRWCqKucEUfngoxQW1Kd9LSBWRXjw0aM+P22WHdxxX/1rIneV5jVgOIlRgD00Dpxn0qie4XnIqzo= -----END CERTIFICATE-----
SingleSignOnService Location	https://gateway.pilot.stepup.surfconext.nl/second-factor-only/single-sign-on
SingleSignOnService Binding	urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Redirect

Test environment

 On April 15th 2020 the signing certificate of SURFsecureID test will be replaced. For more information see [SURFsecureID Key Rollover](#)

 The metadata of the SURFsecureID test environment was moved to a new location. All metadata is now hosted on <https://metadata.test.surfconext.nl>.

Click [here](#) for the SAML 2.0 metadata for the Test environment.

Click [here](#) for the supported `AuthenticationContextClassRef` identifiers.

EntityID	https://sa-gw.test.surfconext.nl/authentication/metadata
Metadata	https://metadata.test.surfconext.nl/surfsecureid-metadata.xml

<p>signing certificate (current) Until April 15th 2020</p> <p>(Download certificate as PEM .crt file)</p>	<pre>-----BEGIN CERTIFICATE----- MIIC6jCCAdICCCQCUwXBRox3ZDANBgkqhkiG9w0BAQsFADA3MRkwFwYDVQDDBBH YXRld2F5IFNBTVwgSWRQMRowGAYDVQQKBDFVJVJGc2VjdXJlSUQqVEVTVDAeFw0x ODA4MDEwODA2MjdaFw0yMzA3MzEwODA2MjdaMDCxGTAxBGNVBAMMEEdhdGV3YXkg U0FNTCBjZFAXGjAYBgNVBAoMEVNVUkZzZW51cmVJRCBURVNUMiIBIjANBgkqhkiG 9w0BAQEFAAOCAQ8AMIIBCgKCAQEAA3okLxR7J2re6j7/rLjEYlC7iWiELcypmFLvL 9BmCYqYz80Pn+SR9LPUOXcplFUt6LYh/NOK5JMT0P6o0TUP1P4zEMzLE10wSj1j Bcu88yNppJoUn/TEgXMGnBlDw8j1VvzcgnSsJjxuw2Fj6J /6D+b77+7PhnMagbnf BEFStz0RBv7J0BdzuEC71wVxlGXb7C1Y8ZF3AwZgIp0jOVdiMub9i6neaKV9ZBLS v+azkT8BtAauMdkBpBxC+KxUFV9ccHKFnF2YOTLQ3CJNNGYQTtCJV182fggraKn1 +by2elV3+Dmzc0iqMcAdECasSS+2E8iOqw+3Qss+RgtS7QvCdQIDAQAABMA0GCSqG S1b3DQEBCwUAA4IBAQCq/j+uXLvYDHhL7c/Y3+oj25+ur2UtZ/uSBqZiIqG1Az1C EL/zdgdI8XmeParLtc2hYUWH4bd5Iu8HqxrMPrdBkG/5cjbMmlhU5uV3EX7S+m89 k9vrok9+7B+uynCkMIda/1Uif2btfeQI9hevvyP/1vvyoHqftym+ivIOyvELJNig dTUaqvcJy//QvkmvpvSpgTvlzHSVgKkSmMoBhTmevu71QUGYSk/Mt53Zd3WmZhev+ emS/MTKwV39JkZg7aykIRqXGve/yTl1ttW /zaV9WtSIzNzfaKqASraAaC1Kgv81st jWFv88HZrsP/UuEseIWh4Nj0o5HHVHYggN/atX3t -----END CERTIFICATE-----</pre>
<p>signing certificate (current) From April 15th 2020</p> <p>(Download certificate as PEM .crt file)</p>	<pre>-----BEGIN CERTIFICATE----- MIIE8jCCAlqgAwIBAgIUD4MpAowfENta8dEJpJt12r6PRDwwDQYJKoZIhvcNAQEL BQAwYkxCzAJBgNVBAYTAk5MMRAwDgYDVQQIDAdVdHJlY2h0MRUwEwYDVQQKDAx5 dHJlY2h0MRUwEwYDVQQKDAx5dHJlY2h0MRUwEwYDVQQKDAx5dHJlY2h0MRUwEw eHkxKjAoBgNVBAMMXNhhLWd3LnRlc3Quc3VyZmNvbWV4dC5ubCAYMDIwMDIyODAE Fw0yMDAyMjg0MTU1NTVaFw0yNTAyMjg0MTU1NTVaMIGJMGSwCQYDVQQGEWJOTDEQ MA4GA1UECAwHVXRYZWNodDEQMA4GA1UEBwwHVXRYZWNodDEVMBMGALUECgMU1VS Rm5ldCBCLlYuMRMwEQYDVQQLDAPTVVJGY29uZXh0MSowKAYDVQQDDCFzYS1lndy50 ZXN0LnN1cmZjb25leHQuYmVwMjg0MTU1NTU1NTU1NTU1NTU1NTU1NTU1NTU1NTU1 jwAwggGKAoIBgQC7tTzherxOI0uI9l4aDEdZHAZb2RwGehbfGyuTzZzQdt42YC8 MkJIa/9e3HdJw/+x3Qb7xKpqpOcfC5D1vk8RQrzdKgeP3LqR6+x73DiCAFbMmb O2bZMqBUggTh4vY4e+gnFchQInw9Jg5wbkt5XzxFsaujeK4n8za5qxIEK9C55D7t RjHFwkJZowTBl2wprRdbwSjwg+Bg7MO6MPXcNF9GFJ6IGAAJ3s7qUKVpvqAK6UH3 0Mx37EhWpgKmyLf72B+U8BOGDx7X2NHNHPD5qZJyhgDLbmcEsUCYn7WoZoKcibI KQIEZAdUgb9TAbUO5c5eW+dSD61RRJ97Q4/DM9Bp+6Z+I/6h26i /h5MrSmrRNYDQ cmd8kkkGop/0a08IiCtVL56X2oIjckWX3GLZDmRpsp4vI4REeY55P8EoyD943ug Pn4s6p+88cS2cAlARjV0vehNnmPkTlly1UyZ0cY5l jvyv3aadMdE1aLbdRW4axEb O4iZ/+Ym/EnfTncAwEAAaNQME4wHQYDVR0OBByEFvR /86aQkE4Icbcm9XAZ6Pm bHVCMB8GA1UdIwQYMBaAFFvR/86aQkE4Icbcm9XAZ6PmbHVCMAwGA1UdEwQFMAMB Af8wDQYJKoZIhvcNAQELBQADggGBAAz8fvcwPEIU0pYakOCzHhJWDzPf1Q5EAaD Fs6I1Zi7D8DN14dvjyOed61IaFmhrv8IP0TgRLx0dgrj52ywaadGn2MhRUCG4vD M34tca5KCdRO8AtgAZWys3Td2Kjg+mkXyGwWIacpFzzTImflWt+dwZIO+I+y4/4g TwwC6RSuLzolvXmtOZMkH57uTxAYeGy12vtmggMi64MlMmm/cwrXVQpQ6CC1VmWu nUGaWGLMVCbt9MINlmJrCicFtegtw3i+euRH8K5SjIj702Chf+mXRqUCk+8q2Tsb zo+1EjASZTxR9HlndjUzFhXadfUMD5Z1dFsFesfP7Nv57rCoS3WAcsgjXETsc1ZH H+vHg4wHOXnBUiVIHB22+xxGCCf10X+WLnjonF50in/yfD7AZJbPipbqLzuxdojd UAjXZn1W6ngnW58QyjlIFvTW8kDmrBEPm1jc+KOPhg941qrSF2CT6uU3gjQN+aPm /zBnSil4Dx2aub9LocTC5on3519edw== -----END CERTIFICATE-----</pre>
<p>SingleSignOnService Location</p>	<p>https://sa-gw.test.surfconext.nl/authentication/single-sign-on</p>
<p>SingleSignOnService Binding</p>	<p>urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Redirect</p>

You can use **Onegini** as an IdP for testing.

Second Factor Only (SFO) endpoint

For second factor only authentication you must use a different endpoint with different metadata.

Click [here](#) for the SAML 2.0 metadata for the SFO endpoint of the Test environment.

Click [here](#) for the supported AuthenticationConextClassRef identifiers.

<p>EntityID</p>	<p>https://sa-gw.test.surfconext.nl/second-factor-only/metadata</p>
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<p>signing certificate Until April 15th 2020</p> <p>(Download certificate as PEM .crt file)</p>	<pre>-----BEGIN CERTIFICATE----- MIIC6jCCAdICQCWUmXBROx3ZDANBgkqhkiG9w0BAQsFADA3MRkwFwYDQ0DDBBH YXRld2F5IFNBTVUwSWRQRmowGAYDVQQKDBFTVGVjc2VjdXJlSUQqVEVTVDAeFw0x ODA4MDEwODA2MjdaFw0yMzA3MzEwODA2MjdaMDCxGTAXBGNVBAMMEhdGv3YXkg U0FNTCBjZFAxGjAYBgNVBAoMEVNVUkZzZW50cmVJR0RURVNUMIIBIjANBgkqhkiG 9w0BAQEFAAOCAQ8AMIIBCgKCAQEAA3okLxR7J2re6j7/rLjEYlC7iWiELcypmFvL 9BmCYqYz80Pn+SR9LPUOXcplFUt6LYh/NOK5JMT0P6o0TUP1P4zEMzLEL0wSj1j Bcu88yNppJoUn/TEGXMGNBLDW8j1VvzcgNSsJjxuw2Fj6J/6D+b77+7PhnMagbnf BEFStz0RBv7JOBDzueC71wVxlgXB7C1Y8ZF3AwZgIp0jovdiMub9i6neaKV9ZBLS v+azkT8BTAAuMdkBpBxC+KxUFV9ccHKFnF2YOTLQ3CJNNGyQtTcUj82FggRaKn1 +by2elV3+Dmzc0iqMcAdECasSS+2E8iOqw+3Qss+RgtS7QvCdQIDAQABMA0GCSqG SIb3DQEBEwUAA4IBAQCq/j+uXLvYDHhL7c/Y3+oJ25+ur2UtZ/uSBqZiIqGLAzlC EL/zdgDI8XmeParLtc2hYWUH4bD5Iu8HqxrMPrdBkG/5cjbMmlhU5uV3EX7S+m89 k9vrok9+7B+uynCkMIda/1Uif2btfeQI9hevvyP/1vvyoHqfety+ivIOyveLUNIG dTUAqvcJy//QvkmPvSpqTvlzHsvGKkSmMoBhTmevu7lQUGYsk/Mt53Zd3WmZhev+ emS/MTKwV39JkZg7aykIRqXGve/yTl1ttW/zaV9WtSIzNZfaKqASraAaClKgV8lSt jWFv88HZrsP/UuEseIWh4Nj0o5HHvHYgqN/atX3t -----END CERTIFICATE-----</pre>
<p>signing certificate (current) From April 15th 2020</p> <p>(Download certificate as PEM .crt file)</p>	<pre>-----BEGIN CERTIFICATE----- MIIE8jCCA1qgAwIBAgIUD4MpAowfENta8dEJpJtl2r6PRDwwDQYJKoZIhvcNAQEL BQAwYXkxCzAJBgNVBAYTAk5MMRAwDgYDVQQIDAdVdHJlY2h0MRUwEwYDQ0KDAxTVVjGbmV0IEIuVi4xZARBNVBA SMC1NVUkZjb251 eHxkXjAoBgNVBAMMlXNhLWd3LnRlc3Quc3VyZmNvbWV4dDc5UibCAyMDIwMDIyODAE Fw0yMDAyMjg1MTU1NTVhFw0yNTAyMjg1MTU1NTVhMIGJMowCQYDVQQGEwJOTDEQ MA4GA1UECAwHVXRyZWNoDEQMA4GA1UEBwwHVXRyZWNoDDEVMBMGAlUECgMu1VS Rm5ldCBCLlYMRMwEYDQ0LDAPTVVjGY29uZXh0MSowKAYDVQQDDCFzYS1ndy50 ZXN0LnN1cmZjb251eHxkXjAoBgNVBAMMlXNhLWd3LnRlc3Quc3VyZmNvbWV4dDc5 UibCAyMDIwMDIyODAE jwAwggGKAoIBgQC7tTZherxOI0uI9l4aDEdZHAZb2RwGehbfGyuTzZzqDgt42YC8 MkJIa/9e3HdJw/+x3Qb7xKqpOcfCc5Dlvk8RQRzdKgeP3LqR6+x73DiCAFbMmb O2bZMqBUggTh4vY4e+gnFchQInw9Jg5wbkt5XzxFsaujeK4nza5qxIEk9C55D7t RjHfWkzjZwTb12wprRdbwsjwg+Bg7MO6MPxcNF9GFJ6IGAAJ3s7qUKVpvqAK6UH3 0Mx37EhWpgKmyLf72B+U8BOGDx7X2NHNHPD5qZQJyhqDLbmcEsUCYn7WozoKCibI KQIEZAdUgb9TAbUO5c5eW+dSD61RRJ97Q4/DM9Bp+6Z+I/6h26i/h5MrSmrRNYDQ cmd8kkKGop/0a08IICtTVL56X2oIjckWX3GLZDmRpsp4vI4REEy55P8EoyD943ug Pn4s6p+88cS2cAlARjv0vehNNmPkTlly1UyZ0oY51jyvy3aadMdElaLbDRW4axEb 04iz/+Ym/EnfTncAwEAAANQME4wHQYDVR0OBYYEFFvR/86aQkE4Icbcm9XAZ6Pmb hVCMb8GA1UdIwQYMBAAFFvR/86aQkE4Icbcm9XAZ6PmbhVCMb8GA1UdEwQFMAMB Af8wDQYJKoZIhvcNAQELBQADggGGAARz8fvcwPEIU0pYakOCzHhJWdzPf1Q5EAAD Fs6I1Zi7D8DN14dvjyOed61IaFMnhrv8IP0TdRLx0dgrj52ywaadN2MhRUCG4vD M34tca5KCdRO8AtgAZWys3Td2Kjg+mkXyGwWIacpFzzTImf1Wt+dwZI0+I+y4/4g Twc6RsuLzolvXmtOZMKH57uTxAYeGy12vtmggMi64Mlmm/cwrXvQpQ6CCLVmWu nUGawG1MvCbT9MINLmJrCicFtegtw3i+euRH8K5SjIj702Chf+mXRquCk+8q2Tsb zo+1EjASZTxR9HlndjUzFhXadfUMD5ZldFsfFsf7Nv57rCoS3WacsGjxETsc1ZH H+vHg4wHOXnBUiVIHB22+xxGCCf10X+WLnjonF50in/yfD7AZJbPIpbqLzuxdojd UAjXZn1W6ngnW58QyjlIFvTW8kDmrBEPmljC+KOPhg941qrSF2CT6uU3gJQN+aPm /zBnSil4Dx2aub9LocTC5on3519edw== -----END CERTIFICATE-----</pre>
<p>SingleSignOnService Location</p>	<p>https://sa-gw.test.surfconext.nl/second-factor-only/single-sign-on</p>
<p>SingleSignOnService Binding</p>	<p>urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Redirect</p>

You can use [Onegini](#) as an IdP for testing.

Metadata signing certificate

The metadata above of SURFSecureID test is signed with a key that corresponds to the public key embedded in the following certificate. You can use this certificate to verify that the metadata you use from SURFsecureID is valid.

- SURFconext TEST metadata signing certificate