

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 `AuthenticationContextClassRef` identifiers.

EntityID	<code>https://sa-gw.surfconext.nl/second-factor-only/metadata</code>
Metadata	<code>https://metadata.surfconext.nl/surfsecureid-sfo-metadata.xml</code>
signing certificate (download certificate as PEM .crt file)	<pre>-----BEGIN CERTIFICATE----- MIIDsjCCAhoCCQDaq/SxtExjXTANBgkqhkiG9w0BAQsFADAbMRkwFwYDVQoDDDBBn YXRld2F5X3NhbwxfawRwMB4XDTEwMDQwOTEyNDU1NDU1MDQwODEyNDU1NDU1NDU1 GzEZMbcGA1UEAwQZ2F0ZXdhZV9zYW1sX2lkDCCAAIwDQYJKoZIhvcNAQEBBQAD ggGAPADCCAYoCggGBAL7dfZ65PjUxw9yRXRoJ0PDiSh2J0WZ792krxj00jJkyB/eF PnVg5hTVbt85qDkkZuik8Ym0Suzeo1PA46fRALhnaJQ22GQzK1mybQIAXZbs739g 49QAnoKY+wQW205EPtuQ8Y7BqFg+fmXKko4gTlpX3FP5PTp18no99kKcCbX8hq9E faBKdlPOGvFJUFnTalcSm3djHnmn+/KuIMXM4HEGQ6fgHlqsJPWaxBqKBWxvQdTd e56dr2T64qNyj7t3u54rTCaip6c3vyTB80w8CK9M5mTTqp/Z+kxqhb255UUpLW1h zySgPfzSE4jtr05olkW+d4oMONKqYxlouUPhoUN5YBL3alH0c8ns+hglx5hBB5tW QpwY34ZpH+43RflHXDj6/MxCY7odMuvuca/4iTyRXpkPoGLEgguHx9Rve /yFGa+N vTZIo4YBoOESgcDyJjU+Xr1kmWmyMpYkn6TPdYMKo/bmQkFAE48JhREDpvhWpIrT1 PfuIcY/SLWY0HN0wCQIDAQABMA0GCSqGSIb3DQEBCwUAA4IBgQCPFRFBvw53Lmd5w 2VpdmZCJuHg09uIu5F3Cy8eGg+hTLtb2CC9f66Ue/CsH4qrBFGSuBwDSBWS3fzVw mPYbI882J7JtLXZCOyZFMVkaL2kk5D5pP8/NBCam9+cDnJ4zjYJJS3wcY2VMjH24 fNYu+Fix6p4mL8o8itTCqJhb4zz4Ft8GZigxD8DXB/jYUTHWtS5ubMs /mOwxuQ2U E7QfdeE064TqSPpRVI8PBPxetRy5n00/JGFNou/pivUTavRMA3LzPlkxzlcdzdf2 zUSaWnAGf1JoPXRWjMq5F1C/hZvW7qDX0jrYK7UE3oXi4NHrER0EUFWCS0PrDQRd DEYS/kVZmPsMT9thR0111B7xU8xFOaYYOdPltCY2jqBruspx9ApnRI+es5j8Lr /q TbILTe3pVdNgWoNIEIBj2mINQQp000TqXSzbWO+nLJSkbZhpZAXyX9ZP00aU4Sbn kkGJ29xWeqSL+Jh+rUSyMFU16Ri7gHZce+3VgkgyzvSBQFjfg6U= -----END CERTIFICATE-----</pre>
SingleSignOnService Location	<code>https://sa-gw.surfconext.nl/second-factor-only/single-sign-on</code>
SingleSignOnService Binding	<code>urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Redirect</code>

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 `AuthenticationContextClassRef` identifiers.

EntityID	<code>https://gateway.pilot.stepup.surfconext.nl/authentication/metadata</code>
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signing certificate (download certificate as PEM .crt file)	<pre> -----BEGIN CERTIFICATE----- MIICWjCCAaoCCQDs1IDIiytYMTANBgkqhkiG9w0BAQUFADAjMSEwHwYDVQDDbHt dGVwdXAgUG1sb3QgR2F0ZXdhcSBjZFAwHhcNMTUwMjI3MTA0MTU5WhcNMjUwMjI0 MTA0MTU5WjAjaMSEwHwYDVQDDbHtTdgVwdXAgUG1sb3QgR2F0ZXdhcSBjZFAwggEi MA0GCsqGS1b3DQEBAQUAA4IBDwAwggEKAoIBAQDz1SzxPhG+B+o0ulUcR499NoMh aP4oX0+zpzi2vfY+Q1qw8x6b0eeUrIk99IpMrWN74twvuQ/eIecLZXIYhG94AYGB 620OX7KMM8oCfdj2I0lk8d+/rsxUqH0U4DDVBryrMcLjLGwe2CMncdSBuc2LCg1 5TveClC/QW/NJ6rvDiRlGoLouqx+CLBd+z2gwC+Od7YTUVY+22XrVzatZ0Zuz8Wd vja4VxHzv9Qyi6ta78ah345HWLeZsIh6pRF80qX0lpPRgwQSVXNpT8IxvoL28ViV VGkLU5SmdS3fbfLz1L5i3jHpWFcvRGPj5z8zmVZuDaka6P80WiKDVRg7gouXAgMB AAEwdQYJKoZIhvcNAQEFBQADggEBANlnKHack17MfHi+0lxb/ERuMkRpIGeJ29RS WL0aFoJNpRjN2ihnuIjp4PPk98xQCKbVeN+PWXNqrrschbUfC5ikcYP5hoU7WJrH AWvEwmMny1/UzcKtSgNby81oLFRzi68R92ZTumgFEBFYow9HzgC3HvDeBpRw/qFL ZjsYqAjezTeRtafx8NIaBtKabRr5hedwUpnz1dFbPqLxR1o0B/tqcUIqJ0jdpEFI Yus7VcBI6N6T1TKB4DyfjbgzxhS5zrE1jFeKaamRWCqKUCeUfngoxQWlKd9LSBW RXjw0aM+P22WHdxxxX/1rIneV5jVgOIlRgD00Dpxn0qie4XnIqzo= -----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 AuthenticationConextClassRef identifiers.

EntityID	https://gateway.pilot.stepup.surfconext.nl/second-factor-only/metadata
signing certificate (download certificate as PEM .crt file)	<pre> -----BEGIN CERTIFICATE----- MIICWjCCAaoCCQDs1IDIiytYMTANBgkqhkiG9w0BAQUFADAjMSEwHwYDVQDDbHt dGVwdXAgUG1sb3QgR2F0ZXdhcSBjZFAwHhcNMTUwMjI3MTA0MTU5WhcNMjUwMjI0 MTA0MTU5WjAjaMSEwHwYDVQDDbHtTdgVwdXAgUG1sb3QgR2F0ZXdhcSBjZFAwggEi MA0GCsqGS1b3DQEBAQUAA4IBDwAwggEKAoIBAQDz1SzxPhG+B+o0ulUcR499NoMh aP4oX0+zpzi2vfY+Q1qw8x6b0eeUrIk99IpMrWN74twvuQ/eIecLZXIYhG94AYGB 620OX7KMM8oCfdj2I0lk8d+/rsxUqH0U4DDVBryrMcLjLGwe2CMncdSBuc2LCg1 5TveClC/QW/NJ6rvDiRlGoLouqx+CLBd+z2gwC+Od7YTUVY+22XrVzatZ0Zuz8Wd vja4VxHzv9Qyi6ta78ah345HWLeZsIh6pRF80qX0lpPRgwQSVXNpT8IxvoL28ViV VGkLU5SmdS3fbfLz1L5i3jHpWFcvRGPj5z8zmVZuDaka6P80WiKDVRg7gouXAgMB AAEwdQYJKoZIhvcNAQEFBQADggEBANlnKHack17MfHi+0lxb/ERuMkRpIGeJ29RS WL0aFoJNpRjN2ihnuIjp4PPk98xQCKbVeN+PWXNqrrschbUfC5ikcYP5hoU7WJrH AWvEwmMny1/UzcKtSgNby81oLFRzi68R92ZTumgFEBFYow9HzgC3HvDeBpRw/qFL ZjsYqAjezTeRtafx8NIaBtKabRr5hedwUpnz1dFbPqLxR1o0B/tqcUIqJ0jdpEFI Yus7VcBI6N6T1TKB4DyfjbgzxhS5zrE1jFeKaamRWCqKUCeUfngoxQWlKd9LSBW RXjw0aM+P22WHdxxxX/1rIneV5jVgOIlRgD00Dpxn0qie4XnIqzo= -----END CERTIFICATE----- </pre>
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>.

<p>signing certificate</p> <p>(Download certificate as PEM .crt file)</p>	<pre>-----BEGIN CERTIFICATE----- MIIE8jCCA1qgAwIBAgIUd4MpAowfENTa8dEJpJt12r6PRDwwDQYJKoZIhvcNAQEL BQAwYkxkCzAJBgNVBAYTAk5MMRAwDgYDVQQIDAdVdHJlY2h0MRwwDgYDVQQHDAdV dHJlY2h0MRUwEwYDVQQKDAxTVVJGbmV0IEIuVi4xZzARBgNVBASMC1NVUkZjb251 eHQxKjAoBgNVBAMMIXNhLWd3LnRlc3Quc3VyZmNvbWV4dC5ubCAyMDIwMDIyODAE Fw0yMDAyMjg5MTU1NTVaFw0yNTAyMjg5MTU1NTVaMIGJMqswCQYDVQQGEwJOTDEQ MA4GA1UECAwHVXRyZWNoDEQMA4GA1UEBwwHVXRyZWNoDEQVMBMGALUECgwwMU1VS Rm5ldCBCLlYMRMwEQYDVQQLDAPTVVJGY29uZXh0MSowKAYDVQQDDCFzYS1ndy50 ZXN0LnN1cmZjb251eHQubmVwMjAyMDAyMjg5MTU1NTU1YyZ0oY51jyvy3aadMde1aLbDRW4axEb 04iZ/+Ym/EnfTncCAwEAAANQME4wHQYDVDR0OBByEFfVr/86aQkE4Icbcm9XAz6Pm bHVCMB8GA1UdIwQYMBaAFFvR/86aQkE4Icbcm9XAz6PmbHVCMAwGALUdEwQFMAMB Af8wDQYJKoZIhvcNAQELBQADggGBAARz8fvcwPEIU0pYakOCzHhJWDzPf1Q5EAAD Fs6I1zi7D8DN14dVjyOed61IaFmnhrv8IP0TdRLx0dgrj52yaaDgN2MhRUCG4vD M34tca5KCDRO8AtgAZWys3Td2Kjg+mkXyGwWIacpFzzTImflWt+dwZi0+I+y4/4g TwwC6RSuLzolvXmtOZMkH57uTxAYeGyl2vtmggMi64M1Mmm/cwrXVQpQ6CC1VmWu nUGaWG1MVcBt9MINLmJrCicFtegtw3i+euRH8K5SjIj702Chf+mXrQUck+8q2Tsb zo+1EjASZTxR9HlndjUzFhXadfUMD5ZldFsFEsfP7Nv57rCoS3WacsGjXETsc1ZH H+vHg4wHOXnBUiVIHB22+xxGCCf10X+WLnjonF50in/yfD7AZJbPIpbqLzuxdojd UAjXZn1W6ngnW58QyjlIFvTW8kDmrBEPm1jc+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