

HREF Key Rollover 2020

English

Introduction

The Hungarian Research and Educational Federation is migrating to a new metadata signing certificate (HREF-2020).

All HREF member and partner have to update their IdP and SP configurations before 2022. January 1st., in order to provide the federational services without interruption. After 2022 January 1st., the old metadata signing certificate (HREF-2011) will be shut down.

The tables below and configuration examples are containing all the necessary technical information.

Key Rollover

Code names

Code name	Metadata signing certificate	Date of expiration
HREF-2011	href-metadata-signer-2011.crt	2022.01.01.
HREF-2015	mdx-test-signer-2015.crt	2022.01.01.
HREF-2020	href-metadata-signer-2020.crt	2025.06.14.

SHA1 fingerprints

Code name	SHA1 fingerprint
HREF-2011	FE:AE:0B:E8:FB:59:ED:F7:CB:7F:69:DF:19:4F:8B:6D:C7:F6:96:66
HREF-2015	91:81:AD:2B:F1:C1:4E:47:93:A2:9D:49:34:B7:77:62:4F:2F:98:43

Code name	SHA1 fingerprint
HREF-2020	C3:72:DC:75:4C:FA:BA:65:63:52:D9:6B:47:5B:44:7E:AA:F6:45:61

Domain names

Domain	URL	Key	Status
metadata.eduid.hu	metadata.eduid.hu/2011/href.xml	HREF-2011	Prod
metadata.eduid.hu	metadata.eduid.hu/2020/href.xml	HREF-2020	Prod
mdx.eduid.hu	mdx-2015.eduid.hu	HREF-2015	Prod
mdx.eduid.hu	mdx-2020.eduid.hu	HREF-2020	Prod

Shibboleth Service Provider Configurations

<https://wiki.shibboleth.net/confluence/display/SP3/MetadataProvider>

XML

<https://wiki.shibboleth.net/confluence/display/SP3/XMLMetadataProvider>

```
<MetadataProvider type="Chaining">
  <MetadataProvider type="XML" id="href-2011" url="https://metadata.eduid.hu/2011/href.xml"
backingFilePath="href-2011.xml">
    <MetadataFilter type="Signature" certificate="href-metadata-signer-2011.crt"/>
    <MetadataFilter type="RequireValidUntil" maxValidityInterval="864000"/>
  </MetadataProvider>
  <MetadataProvider type="XML" id="href-2020" url="https://metadata.eduid.hu/2020/href.xml"
backingFilePath="href-2020.xml">
    <MetadataFilter type="Signature" certificate="href-metadata-signer-2020.crt"/>
    <MetadataFilter type="RequireValidUntil" maxValidityInterval="864000"/>
  </MetadataProvider>
</MetadataProvider>
```

MDX

Shibboleth 3.X

<https://wiki.shibboleth.net/confluence/display/SP3/MDQMetadataProvider>

```
<MetadataProvider type="MDQ" id="href-2015" ignoreTransport="true" baseUrl="https://mdx-2015.eduid.hu/">
  <MetadataFilter type="Signature" certificate="mdx-test-signer-2015.crt"/>
  <MetadataFilter type="RequireValidUntil" maxValidityInterval="864000"/>
</MetadataProvider>
<MetadataProvider type="MDQ" id="href-2020" ignoreTransport="true" baseUrl="https://mdx-2020.eduid.hu/">
  <MetadataFilter type="Signature" certificate="href-metadata-signer-2020.crt"/>
  <MetadataFilter type="RequireValidUntil" maxValidityInterval="864000"/>
</MetadataProvider>
```

Shibboleth 2.X

```
<MetadataProvider type="Dynamic" id="href-2015" ignoreTransport="true">
  <Subst>https://mdx-2015.eduid.hu/entities/$entityID</Subst>
  <MetadataFilter type="Signature" certificate="mdx-test-signer-2015.crt"/>
</MetadataProvider>
<MetadataProvider type="Dynamic" id="href-2020" ignoreTransport="true">
  <Subst>https://mdx-2020.eduid.hu/entities/$entityID</Subst>
  <MetadataFilter type="Signature" certificate="href-metadata-signer-2020.crt"/>
</MetadataProvider>
```

Shibboleth Identity Provider Configurations

XML

Shibboleth 4.X

<https://wiki.shibboleth.net/confluence/display/IDP4/FileBackedHTTPMetadataProvider>

```
<MetadataProvider id="RemoteMetadataAggregate" xsi:type="FileBackedHTTPMetadataProvider"
    backingFile="%{idp.home}/metadata/href-2020.xml"
    metadataURL="https://metadata.eduid.hu/2020/href.xml">

    <MetadataFilter xsi:type="SignatureValidation" requireSignedRoot="true"
        certificateFile="%{idp.home}/conf/metadata/href-metadata-signer-2020.crt"/>

    <MetadataFilter xsi:type="RequiredValidUntil" maxValidityInterval="P9D"/>

    <MetadataFilter xsi:type="EntityRoleWhiteList">
        <RetainedRole>md:SPSS0Descriptor</RetainedRole>
    </MetadataFilter>

</MetadataProvider>
```

Shibboleth 3.X

<https://wiki.shibboleth.net/confluence/display/IDP30/FileBackedHTTPMetadataProvider>

```
<MetadataProvider id="RemoteMetadataAggregate" xsi:type="FileBackedHTTPMetadataProvider"
    backingFile="%{idp.home}/metadata/href-2020.xml"
    metadataURL="https://metadata.eduid.hu/2020/href.xml">

    <MetadataFilter xsi:type="SignatureValidation" requireSignedRoot="true"
        certificateFile="%{idp.home}/conf/metadata/href-metadata-signer-2020.crt"/>

    <MetadataFilter xsi:type="RequiredValidUntil" maxValidityInterval="P9D"/>

    <MetadataFilter xsi:type="EntityRoleWhiteList">
        <RetainedRole>md:SPSS0Descriptor</RetainedRole>
    </MetadataFilter>

</MetadataProvider>
```

MDX

Shibboleth 4.X

<https://wiki.shibboleth.net/confluence/display/IDP4/DynamicHTTPMetadataProvider>

```
<MetadataProvider id="DynamicEntityMetadata" xsi:type="DynamicHTTPMetadataProvider"
    connectionRequestTimeout="PT2S"
    connectionTimeout="PT2S"
    socketTimeout="PT4S">

    <MetadataFilter xsi:type="SignatureValidation" requireSignedRoot="true"
        certificateFile="%{idp.home}/credentials/href-metadata-signer-2020.crt"/>

    <MetadataFilter xsi:type="RequiredValidUntil" maxValidityInterval="P9D"/>

    <MetadataQueryProtocol>https://mdx-2020.eduid.hu/</MetadataQueryProtocol>

</MetadataProvider>
```

Shibboleth 3.X

<https://wiki.shibboleth.net/confluence/display/IDP30/DynamicHTTPMetadataProvider>

```
<MetadataProvider id="DynamicEntityMetadata" xsi:type="DynamicHTTPMetadataProvider"
    connectionRequestTimeout="PT2S"
    connectionTimeout="PT2S"
    socketTimeout="PT4S">

    <MetadataFilter xsi:type="SignatureValidation" requireSignedRoot="true"
        certificateFile="%{idp.home}/credentials/href-metadata-signer-2020.crt"/>

    <MetadataFilter xsi:type="RequiredValidUntil" maxValidityInterval="P9D"/>

    <MetadataQueryProtocol>https://mdx-2020.eduid.hu/</MetadataQueryProtocol>

</MetadataProvider>
```

SimpleSAMLphp Configurations

MDX

```
//config/config.php
'metadata.sources' => [[=> 'flatfile']('type'), // ez a *-hosted metadata konfiguráció
```

betöltése miatt szükséges

```
[
    'type' => 'mdq',
    'server' => 'https://mdx-2020.eduid.hu',
    /* --- */
    'validateFingerprint' =>
    'C3:72:DC:75:4C:FA:BA:65:63:52:D9:6B:47:5B:44:7E:AA:F6:45:61'
],
],
```

metarefresh

https://simplesamlphp.org/docs/stable/simplesamlphp-maintenance#section_3

https://github.com/simplesamlphp/simplesamlphp-module-metarefresh/blob/master/docs/simplesamlphp-automated_metadata.md

```
// config/config-metarefresh.php
$config = [
    'sets' => [
        'href-2011' => [
            'cron'      => ['hourly'],
            'sources'   => [
                [
                    'src' => 'https://metadata.eduid.hu/2011/href.xml',
                    'validateFingerprint' =>
                    'FE:AE:0B:E8:FB:59:ED:F7:CB:7F:69:DF:19:4F:8B:6D:C7:F6:96:66',
                ],
            ],
            'expireAfter'      => 777600, // 9 nap
            'outputDir'        => 'metadata/metarefresh-href-2011/',
            'outputFormat' => 'flatfile',
        ],
        'href-2020' => [
            'cron'      => ['hourly'],
            'sources'   => [
                [
                    'src' => 'https://metadata.eduid.hu/2020/href.xml',
                    'validateFingerprint' =>
```

```
'C3:72:DC:75:4C:FA:BA:65:63:52:D9:6B:47:5B:44:7E:AA:F6:45:61',
    ],
  ],
  'expireAfter'      => 777600, // 9 nap.
  'outputDir'        => 'metadata/metarefresh-href-2020/',
  'outputFormat' => 'flatfile',
],
],
];
```

```
// config/config.php
'metadata.sources' => [
  ['type' => 'flatfile'],
  ['type' => 'flatfile', 'directory' => 'metadata/metarefresh-href-2011'],
  ['type' => 'flatfile', 'directory' => 'metadata/metarefresh-href-2020'],
],
```

Változat #1

cziernorbort hozta létre 2026-04-14 13:22:08 CEST

cziernorbort frissítette 2026-04-14 13:24:10 CEST