

HREF Key Rollover 2025

English

Introduction

The Hungarian Research and Educational Federation is migrating to a new metadata signing certificate (HREF-2025).

All HREF members and partners must update their IdP and SP configurations with the new signing certificate by June 14, 2025, in order to ensure uninterrupted access to federated services supporting eduID.hu. After this date, the old signing certificate (HREF-2020), which has been in use for more than 4 years, will be decommissioned, and 10 days after its last use, the old metadata will become invalid.

The tables below contain all necessary data for the transition. Where possible, configuration examples offer solutions that allow simultaneous use of both the old and new metadata.

Key Rollover

Code names

Code name	Metadata signing certificate	Date of expiration
HREF-2011	[https://metadata.eduid.hu/certs/href-metadata-signer-2011.crt href-metadata-signer-2011.crt]	2022.01.01.
HREF-2015	[https://metadata.eduid.hu/certs/mdx-test-signer-2020.crt mdx-test-signer-2015.crt]	2022.01.01.
HREF-2020	[https://metadata.eduid.hu/certs/href-metadata-signer-2020.crt href-metadata-signer-2020.crt]	2025.06.14.
HREF-2025	[https://metadata.eduid.hu/certs/href-metadata-signer-2025.crt href-metadata-signer-2025.crt]	2030.06.14.

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
HREF-2020	C3:72:DC:75:4C:FA:BA:65:63:52:D9:6B:47:5B:44:7E:AA:F6:45:61
HREF-2025	45:B2:33:96:7C:4F:7E:42:86:8D:CC:CF:CC:0E:3E:1C:2E:24:C2:DE

Domain names

Domain	URL	Key	Status
metadata.eduid.hu	metadata.eduid.hu/2011/href.xml	HREF-2011	Prod
	metadata.eduid.hu/2020/href.xml	HREF-2020	Prod
	metadata.eduid.hu/2025/href.xml	HREF-2025	Prod
mdx.eduid.hu	mdx-2015.eduid.hu	HREF-2015	Prod
	mdx-2020.eduid.hu	HREF-2020	Prod
	mdx-2025.eduid.hu	HREF-2025	Prod

Discovery Service change

URL
https://mdx-2020.eduid.hu/role/idp.ds
https://mdx-2025.eduid.hu/discovery/ds

Shibboleth Service Provider beállítások

<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-2020" url="https://mdx-2020.eduid.hu"
backingFilePath="href-2020.xml">
    <MetadataFilter type="Signature" certificate="href-metadata-signer-2020.crt"/>
    <MetadataFilter type="RequireValidUntil" maxValidityInterval="864000"/>
  </MetadataProvider>
  <MetadataProvider type="XML" id="href-2025" url="https://mdx-2025.eduid.hu"
backingFilePath="href-2025.xml">
    <MetadataFilter type="Signature" certificate="href-metadata-signer-2025.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-2020" ignoreTransport="true" baseUrl="https://mdx-
2020.eduid.hu/">
  <MetadataFilter type="Signature" certificate="href-metadata-signer-2020.crt"/>
  <MetadataFilter type="RequireValidUntil" maxValidityInterval="864000"/>
</MetadataProvider>
<MetadataProvider type="MDQ" id="href-2025" ignoreTransport="true" baseUrl="https://mdx-
2025.eduid.hu/">
  <MetadataFilter type="Signature" certificate="href-metadata-signer-2025.crt"/>
  <MetadataFilter type="RequireValidUntil" maxValidityInterval="864000"/>
</MetadataProvider>
```

példa

apache + shibboleth 3.X - sed segítségével

```
sudo sed 's/mdx-2020.eduid.hu/mdx-2025.eduid.hu/g' /etc/shibboleth/shibboleth2.xml -i
sudo sed 's/href-2020/href-2025/g' /etc/shibboleth/shibboleth2.xml -i
sudo sed 's/href-metadata-signer-2020.crt/href-metadata-signer-2025.crt/g'
/etc/shibboleth/shibboleth2.xml -i
```

```
sudo sed 's#https://mdx-202..eduid.hu/role/idp.ds#https://mdx-2025.eduid.hu/discovery/ds#g'  
/etc/shibboleth/shibboleth2.xml -i  
sudo systemctl restart shibd.service apache2.service
```

Shibboleth 2.X

```
<MetadataProvider type="Dynamic" id="href-2020" ignoreTransport="true">  
  <Subst>https://mdx-2020.eduid.hu/entities/$entityID</Subst>  
  <MetadataFilter type="Signature" certificate="href-metadata-signer-2020.crt"/>  
</MetadataProvider>  
<MetadataProvider type="Dynamic" id="href-2025" ignoreTransport="true">  
  <Subst>https://mdx-2025.eduid.hu/entities/$entityID</Subst>  
  <MetadataFilter type="Signature" certificate="href-metadata-signer-2025.crt"/>  
</MetadataProvider>
```

Shibboleth Identity Provider beállítások

XML

Shibboleth 4.X

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

```
<MetadataProvider id="RemoteMetadataAggregate" xsi:type="FileBackedHTTPMetadataProvider"  
  backingFile="%{idp.home}/metadata/href-2025.xml"  
  metadataURL="https://metadata.eduid.hu/2025/href.xml">  
  
  <MetadataFilter xsi:type="SignatureValidation" requireSignedRoot="true"  
    certificateFile="%{idp.home}/conf/metadata/href-metadata-signer-2025.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-2025.xml"
    metadataURL="https://metadata.eduid.hu/2025/href.xml">

    <MetadataFilter xsi:type="SignatureValidation" requireSignedRoot="true"
        certificateFile="%{idp.home}/conf/metadata/href-metadata-signer-2025.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-2025.crt"/>

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

    <MetadataQueryProtocol>https://mdx-2025.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-2025.crt"/>

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

    <MetadataQueryProtocol>https://mdx-2025.eduid.hu/</MetadataQueryProtocol>

</MetadataProvider>
```

SimpleSAMLphp

MDX

```
//config/config.php
'metadata.sources' => [
    ['type' => 'flatfile'], // ez a *-hosted metadata konfiguráció betöltése miatt szükséges
    [
        'type' => 'mdq',
        'server' => 'https://mdx-2025.eduid.hu',
        /* --- */
        'validateFingerprint' =>
'45:B2:33:96:7C:4F:7E:42:86:8D:CC:CF:CC:0E:3E:1C:2E:24:C2:DE'
    ],
],
```

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-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',
        ],
        'href-2025' => [
            'cron'      => ['hourly'],
            'sources'   => [
                [
                    'src' => 'https://metadata.eduid.hu/2025/href.xml',
                    'validateFingerprint' =>
'45:B2:33:96:7C:4F:7E:42:86:8D:CC:CF:CC:0E:3E:1C:2E:24:C2:DE',
                ],
            ],
            'expireAfter'      => 777600, // 9 nap.
            'outputDir'        => 'metadata/metarefresh-href-2025/',
            'outputFormat' => 'flatfile',
        ],
    ],
];

```

```

// config/config.php
'metadata.sources' => [
    ['type' => 'flatfile'],
    ['type' => 'flatfile', 'directory' => 'metadata/metarefresh-href-2020'],
    ['type' => 'flatfile', 'directory' => 'metadata/metarefresh-href-2025'],
],

```

FAQ /GYIK

Bővítés alatt!

- Miért cserél KIFÜ kulcsot?
- IdP-t érinti?
- Mi a helyzet az eduGAIN-t használó IdP-kkel?
- Mi a helyzet az eduGAIN-t használó SP-kkel?
- Hogyan tudom ellenőrizni, hogy jó kulcsot használok?

Változat #1

document-uploader hozta létre 2025-08-07 12:03:46 CEST

document-uploader frissítette 2025-08-07 12:03:46 CEST