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Swedish Academic Identity Federation

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ADFS Toolkit v2.0

Johan Peterson
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Agenda

- What is ADFS Toolkit?
- News
- Powershell Module
- Installation of ADFS Toolkit
- Configuration of ADFS Toolkit
- Upgrade ADFS Toolkit
- QA

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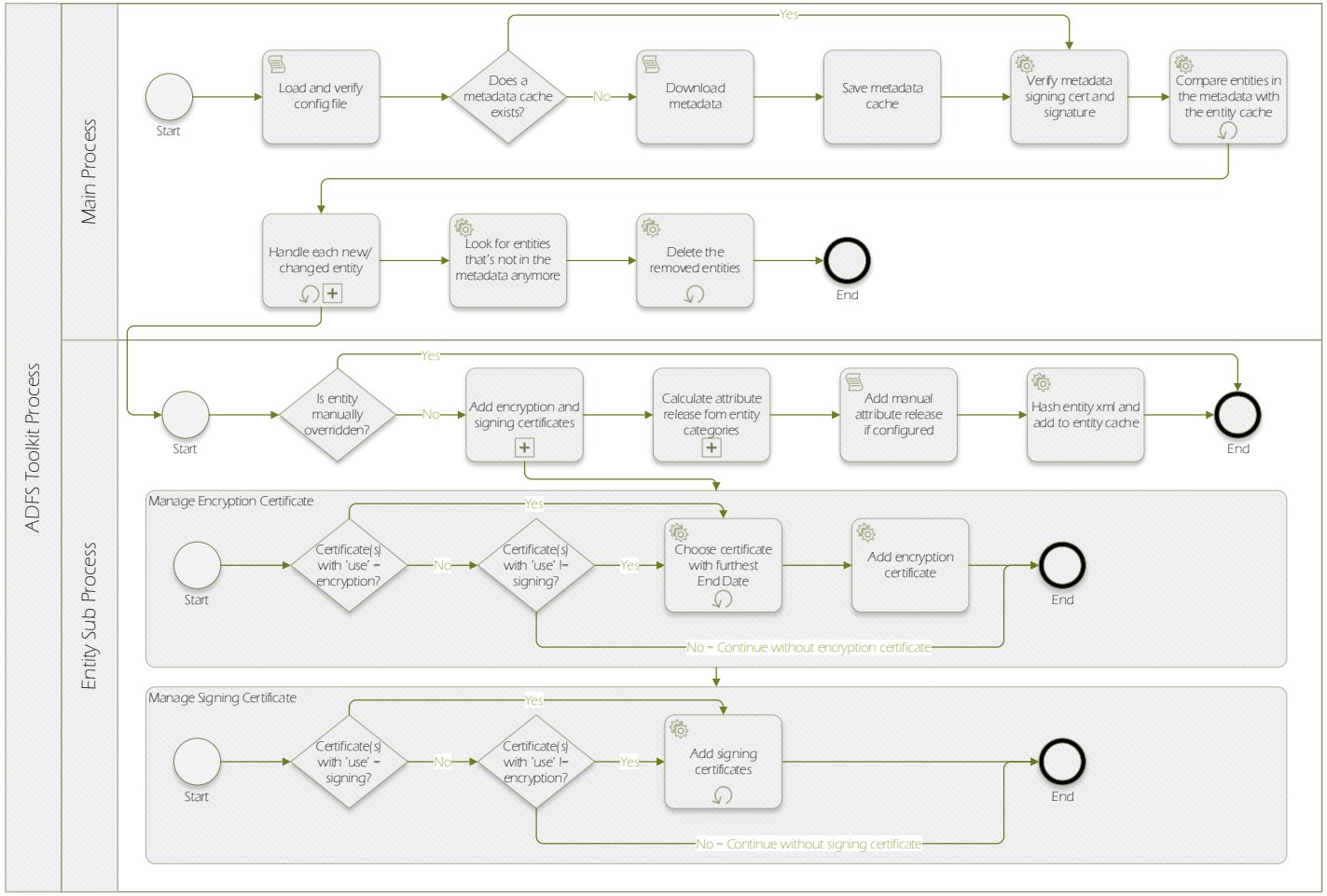
What is ADFS Toolkit?

- A tool to make ADFS import a Federation Metadata Aggregate
- Honors attribute release based on Entity Categories in the Metadata
- Still lets the Institution be in charge of manual attribute releases
  - Remove SP displayName prefix to exclude the SP from being handled
  - Add the SP to `Get-ADFSTkManualSPSettings.ps1` to add/change attribute releases

How dows ADFS Toolkit work?



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What is a Powershell Module?

- Scripts grouped into a structure
  - Internal
  - Exposed
- Easy to install and upgrade
- `C:\Program Files\WindowsPowerShell\Modules\ADFSToolkit`
- All ADFS Toolkit scripts are signed
  - Chris Philips @CAF

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Powershell Module

- `Find-Module ADFSToolkit`
  - `v1.0.0.0`
- `Get-Module PowerShellGet`
  - `v1.0.0.1`
  - `Install-Module PowerShellGet -Force`
- `Find-Module ADFSToolkit -AllowPrerelease`
  - `v2.0.0-RC5`
- `Find-Module ADFSToolkit -AllowPrerelease -AllVersions`
- `Get-Module PowerShellGet -ListAvailable`
- `Get-InstalledModule PowerShellGet -AllVersions`

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News in ADFS Toolkit 2.0

- New file- and folder structure
- Languagesupport
- Better manual SP handling
  - New overrides
    - SHA1/SHA256
    - Authorization
  - Target more that just one SP
- Bugfixes and changes

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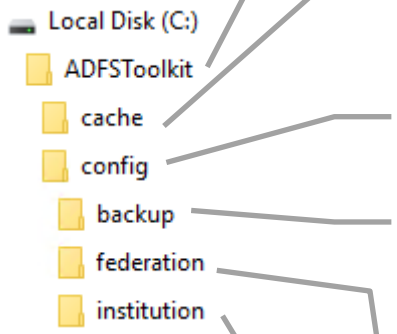
The File Structure



The root folder for all local configuration and settings

Cache file(s) for metadata aggregate(s) and hash-cache

The root config folder

A backup folder where files will be copied before changed

Federation-specific configuration files with default values and federation-specific Entity Categories

The institution-specific configuration of ADFS Toolkit.

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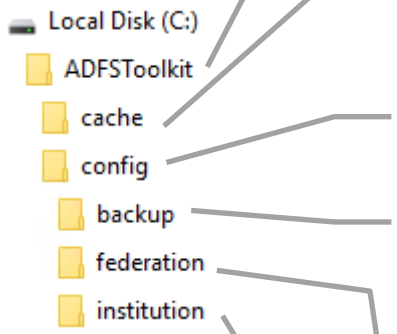

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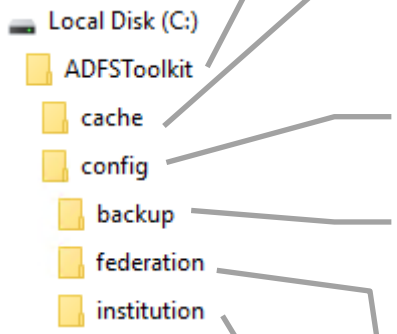

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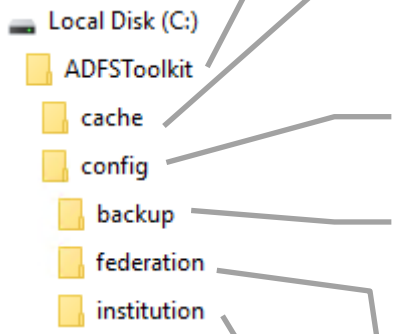

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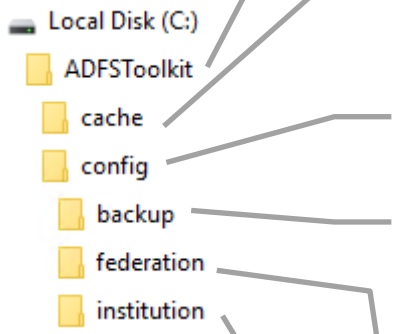

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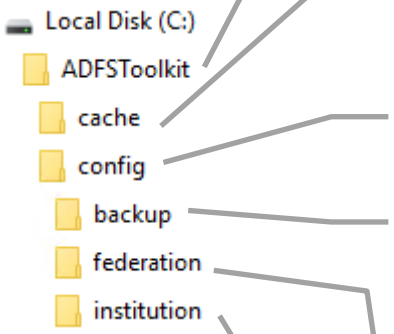

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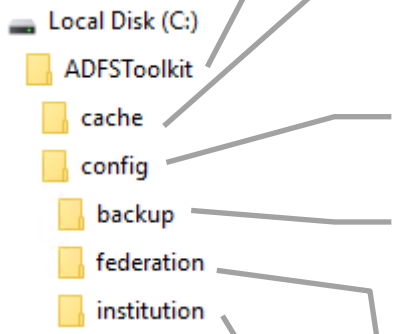

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Better manual SP handling

- Attributes added to release list
- Attributes added/overwritten to/in release list
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Bugfixes and changes

- eduPersonPrimaryAffiliation added as attribute
- Persistent-id added as attribute
- Transient-id/Persistent-id chosen from metadata
- New way of calculation the hash of the SP metadata for cache
- Does not delete SP's with the prefix
- Multiple SP's with the same domain name now gets the prefix separator
- Warning! Some config are stored in memory
  `Get-ADFSTkManualSPSettings.ps1`

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Installation of ADFS Toolkit

- `Install-Module ADFSToolkit -RequiredVersion 2.0.0-RC5 -AllowPrerelease`
- DEMO

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Configuration of ADFS Toolkit

- `New-ADFSTkConfiguration`
- `New-ADFSTkInstitutionConfiguration`
- DEMO

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Upgrade ADFS Toolkit

- `Update-ADFSTkInstitutionConfiguration`
- DEMO

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ADFS Toolkit Extras

- `Get-ADFSTkToolsIssuanceTransformRules -SelectAttributes`
- https://adfshelp.microsoft.com
  - Claims XRay
- Future tools?

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