



White Paper

Fabasoft Folio Cross-Domain License Check

Fabasoft Folio 2019

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1 Introduction

This document describes the functionality and configuration of the cross-domain license check. The cross-domain license check enables centralized management of Fabasoft Folio licenses.

2 Software Requirements

System environment: All information contained in this document implicitly assumes a Microsoft Windows environment.

Supported platforms: For detailed information on supported operating systems and software see the software product information on the Fabasoft distribution media.

Note:

- The cross-domain license check is supported in Fabasoft products from version 6.0 Production. All participating Fabasoft Folio domains have to carry this or a later version.
- The version-independent cross-domain license check is supported in Fabasoft products from version 6.1 Production. All participating Fabasoft Folio domains have to carry this or a later version.

3 Requirements

The use of cross-domain license check is possible from an installation of two Fabasoft Folio domains. Thereby one of the Fabasoft Folio domains in which the license for all registered users and hardware units is imported is used as main domain. The license check for all further Fabasoft Folio domains and any existing clients is done via this main domain.

In the main domain at least one Fabasoft Folio web service has to be available.

All Fabasoft Folio users within the network of the cross-domain license check must also be created in the main domain as a *User*.

In the other Fabasoft Folio domains for the Microsoft Windows user account under which the Fabasoft Folio web services are running *Trust this user for delegation to any service (Kerberos only)* must be selected. The authentication has to be done via Kerberos.

The cross-domain license check is only available for a Microsoft Windows system environment.

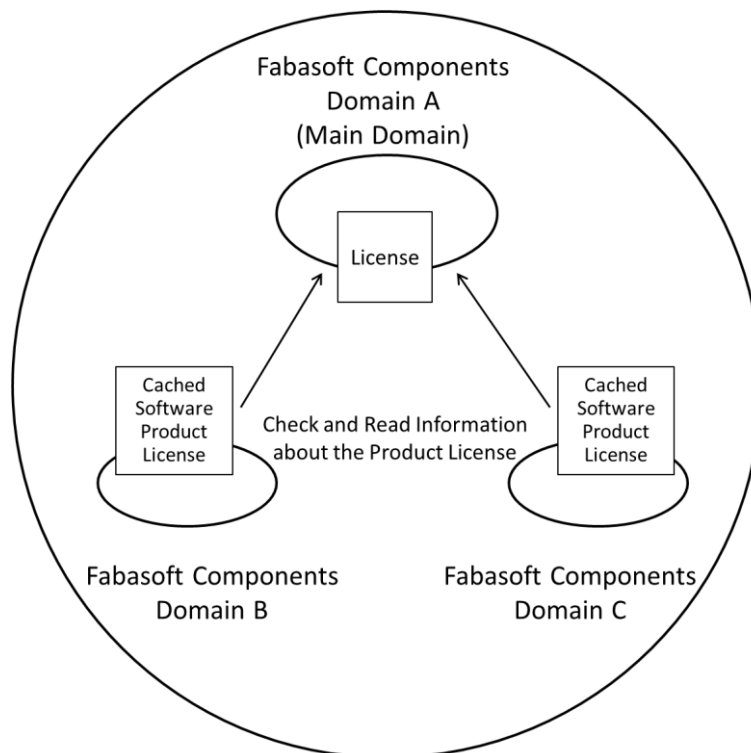
4 Functionality of the Cross-Domain License Check

The Fabasoft Folio license is read by the other Fabasoft Folio domains using a Fabasoft Folio web service by means of the *Check and retrieve product license information* (COOSWCLM@1.1:GetProductLicenseInfo) action and is stored to objects of the *Cached Software Product License* (COOSWCLM@1.1:CachedLicense) object class. An object of this object class contains the license information for a licensed software product.

For a "Registered User" license these objects are stored in the *Cached User Licenses* (COOSWCLM@1.1:usercachedlics) object pointer property for backward chaining.

For a "Workstation" license these objects are stored in the *Cached Workstation Licenses* (COOSWCLM@1.1:wscachedlics) object pointer property for backward chaining.

These so-fetched licenses are recognized in the main domain to the user or the workstation, as if the user would work directly with the main domain.



The license information will be used in the corresponding Fabasoft Folio domains until they expire. This happens, for example when crossing the effective date, or by manipulation of contents or key. An invalid license is automatically replaced by a new license (if available) from the main domain.

5 Configuration

5.1 Fabasoft Folio Web Services

For proper licensing of a user, the user has to be authenticated by the Fabasoft Folio web service of the main domain. If Fabasoft Folio web services are used in the further Fabasoft Folio domains that delegation must be enabled for these.

Necessary configuration settings on the "Microsoft Windows Active Directory" domain controller:

1. Click "Start" > "Administrative Tools" > "Active Directory Users and Computers".
2. Navigate to the "Users" folder of the corresponding Microsoft Windows domain.
3. Open the properties of the user account that is used for running the Fabasoft Folio web services and the application pool.
4. On the "Delegation" tab, select *Trust this user for delegation to any service (Kerberos only)*.

Then the "Service Principal Name" for the user under which the Fabasoft Folio web services are running has to be set. This determines that this user may be used as a service user on the specified computers.

1. On the "Microsoft Windows Active Directory" domain controller install the `setspn.exe` command line tool.

2. Enter in the command line the following command, where `FQDNServerMachine` is the fully qualified domain name of the computer where the Fabasoft Folio web services are installed. `ServiceUser` is the Microsoft Windows domain user account.

```
setspn.exe -A HTTP/<FQDNServerMachine> <ServiceUser>
```

Note: The fully qualified domain name of the computer has to be used, not the NetBIOS name.

5.2 Fabasoft Folio Domain With the Imported Licenses of All Users (Main Domain)

In the `COOSWCLMD@1.1:LicensingConfig` configuration object of the main domain is determined, which Fabasoft Folio domains and Fabasoft Folio clients are allowed to read license information from this Fabasoft Folio domain.

1. In the Domain Administration click "Configuration Objects" and edit the properties of the `COOSWCLMD@1.1:LicensingConfig` configuration object.
2. Let the *URL of Licensing Service* area empty. In the *Licensed Domains* box, enter all Fabasoft Folio domain IDs which are intended for the cross-domain license check, except the main domain. Additionally a locally created software component has to be specified, so that the settings will not be lost by an update.

The screenshot shows the 'Licensing Configuration' window with the 'Configuration' tab selected. Under 'License Service Definition', the 'URL of Licensing Service' and 'Software Component' fields are empty. The 'Licensed Domains' section is highlighted in yellow and contains two entries:

Domain-ID	Software Component
1 10.100	Built-in Settings
2 10.200	Built-in Settings

Note: All Fabasoft Folio users in the network of the cross-domain license check also have to be created in the main domain as a *User*.

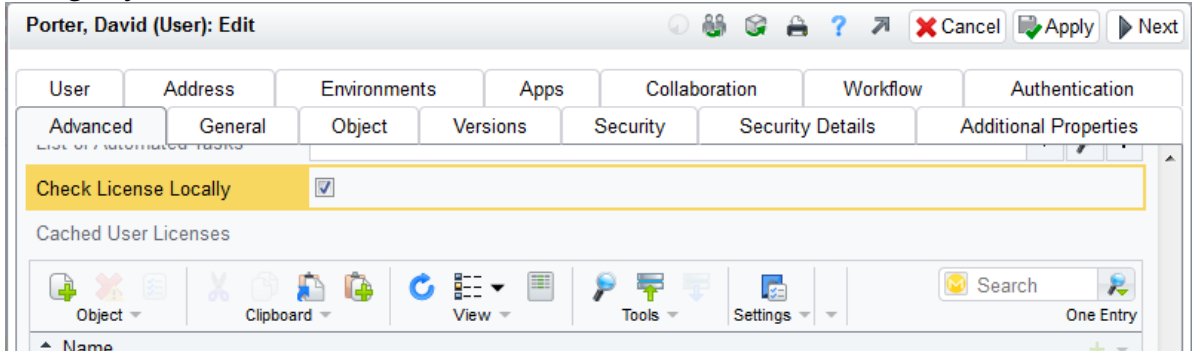
5.3 Other Fabasoft Folio Domains

When in the `COOSWCLMD@1.1:LicensingConfig` configuration object of a Fabasoft Folio domain a *URL of Licensing Service* is entered, the mechanism of the cross-domain license check is used.

1. Enter in the *URL of Licensing Service* box the URL of a Fabasoft Folio web service of the main domain. Additionally a locally created software component has to be specified, so that the settings will not be lost by an update.

The screenshot shows the 'Licensing Configuration' window with the 'Configuration' tab selected. Under 'License Service Definition', the 'URL of Licensing Service' field is filled with 'http://fabafsc/fsc' and the 'Software Component' field is set to 'Built-in Settings'. The 'Licensed Domains' section is currently empty.

- For a user, on the “Advanced” tab, using the *Check License Locally* option can be defined, if for this user a local license check is done. Result, this user can log in, even if the cross-domain license check is not available. For this purpose, a local valid license must be available. This setting should be made for the system administrator to allow access to the system in an emergency.



6 License Update of Existing Fabasoft Folio Domains

For existing Fabasoft Folio domains the license for the main domain has to be imported to the main domain. Additionally the licenses for the other Fabasoft Folio domains have to be imported to the corresponding domains. They serve as collateral, so that an administrator can log in, even if the cross-domain license check is not available.

Note: Make sure, the Fabasoft Folio domains are configured for cross-domain license check (see chapter 5 “Configuration”).

7 Installation of New Fabasoft Folio Domains

For the installation process of a new Fabasoft Folio domain or for creating a Fabasoft Folio client a separate license is required. This license is used for defining the domain ID and it allows a single user to access the Fabasoft Folio domain. To make the Fabasoft Folio domain generally accessible for users, the appropriate configuration settings for the cross-domain license check are necessary (see chapter 5 “Configuration”).