

# White Paper

## Fabasoft on Linux - Fabasoft Folio Web Management

Fabasoft Folio 2019

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## 1 Introduction

This document describes how to configure the web browser for the Fabasoft Folio Web Management.

## 2 Software Requirements

**System environment:** All information contained in this document implicitly assumes a web browser in a Linux environment or a Microsoft Windows environment. The Fabasoft Folio services have to run in a Linux environment.

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

**Descriptions in this document are based on the following software:**

One web browser required:

- Mozilla Firefox 60.5 ESR
- Microsoft Internet Explorer 11.0

## 3 Prerequisites

Make sure that an HTTP Kerberos key exists for the Fabasoft Folio Backend Server (see white paper "Fabasoft on Red Hat Linux - Preparation Guide").

The user that should administer the Fabasoft Folio Domain has to be added to the `/etc/group` file (see white paper "Installation of Fabasoft Folio Services on Linux").

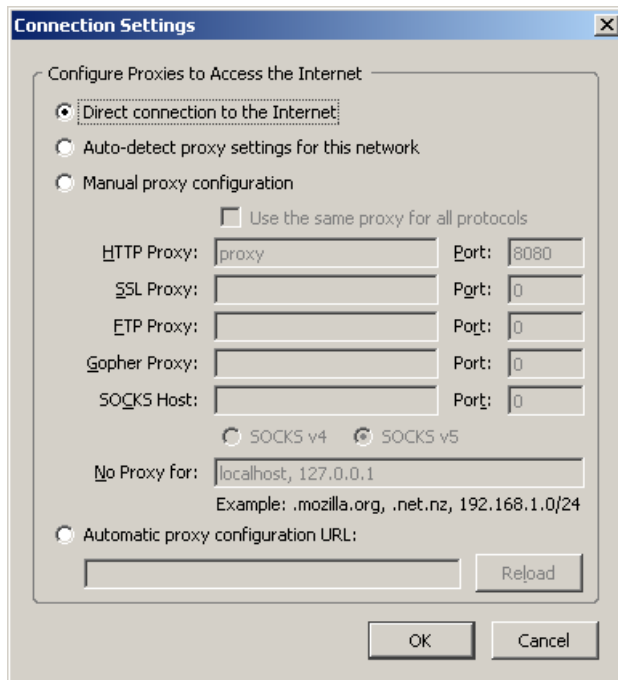
The Fabasoft Folio Management Service has to be available on the Fabasoft Folio Backend Server. This is the case after installing the Fabasoft Folio RPM packages (see white paper "Installation of Fabasoft Folio Services on Linux"). It has to be started manually.

## 4 Kerberos Authentication

### 4.1 Configuration of Mozilla Firefox

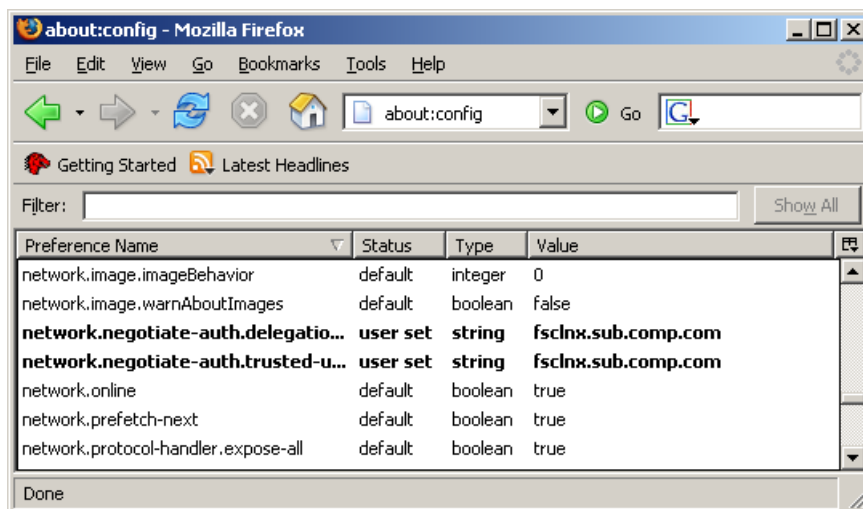
#### 4.1.1 No Proxy Server

No proxy server may be used. On the “Edit” menu, click “Properties”. On the “General” tab, click “Connection Settings” and select the *Direct connection to the Internet* box.



#### 4.1.2 Security Settings

Enable the negotiate authentication for the Linux server running the Fabasoft Folio Management Service. Type the “about:config” command in the address bar of the web browser. Modify the parameters `network.negotiate-auth.delegation-uris` and `network.negotiate-auth.trusted-uris` and add the Linux server.



### 4.1.3 URL

It is mandatory that a fully qualified domain name is provided to connect to the service. By default the Linux Fabasoft Folio Management Service listens on port 17088.

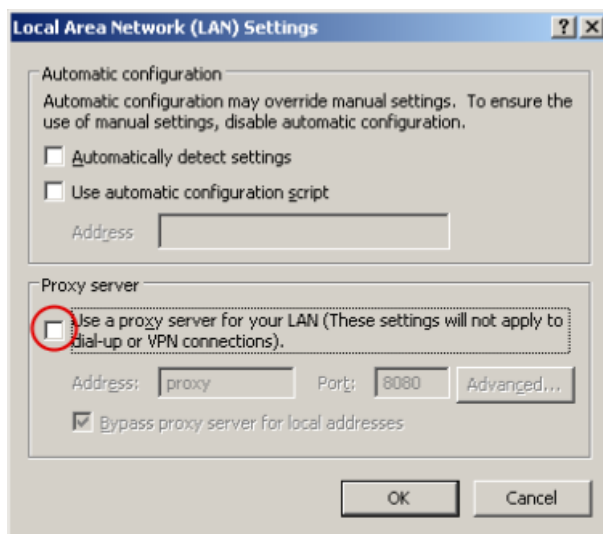
**Example:**

`http://fsc1nx.sub.comp.com:17088`

## 4.2 Configuration of Microsoft Internet Explorer

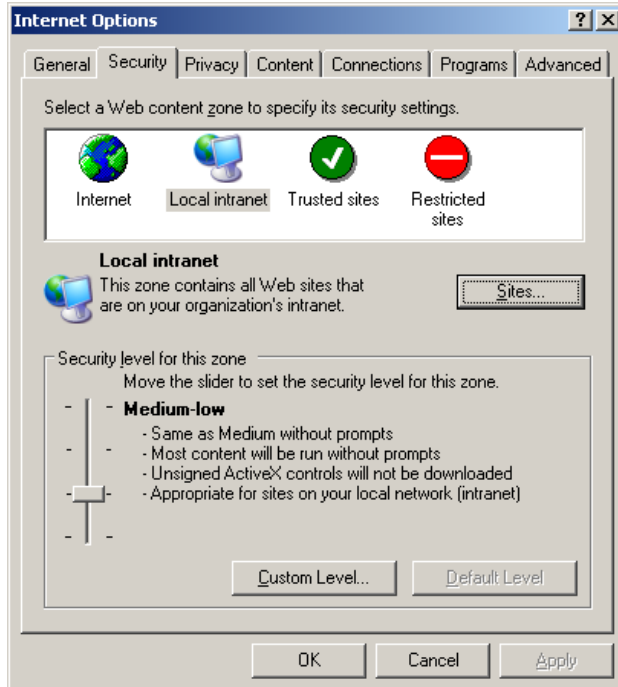
### 4.2.1 No Proxy Server

No proxy server may be used. On the "Tools" menu click "Internet Options". On the "Connections" tab click "LAN Settings" and clear the *Use a proxy server for your LAN* check box.

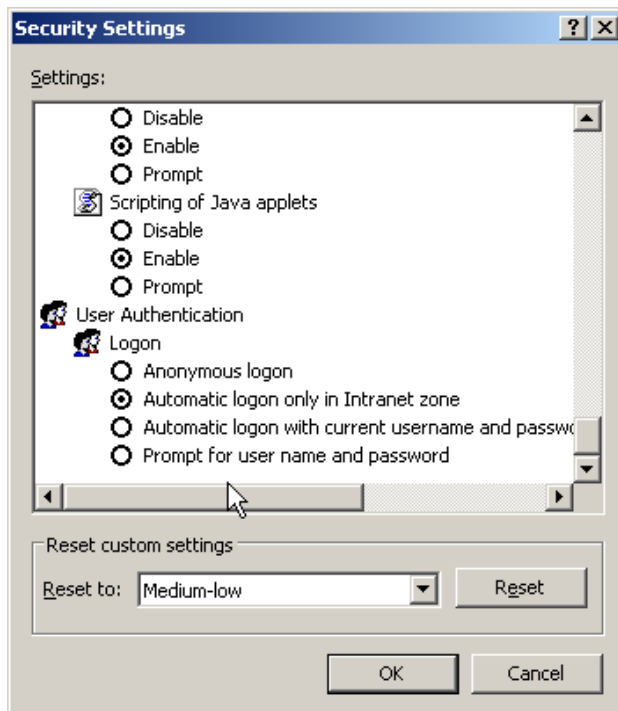


## 4.2.2 Security Settings

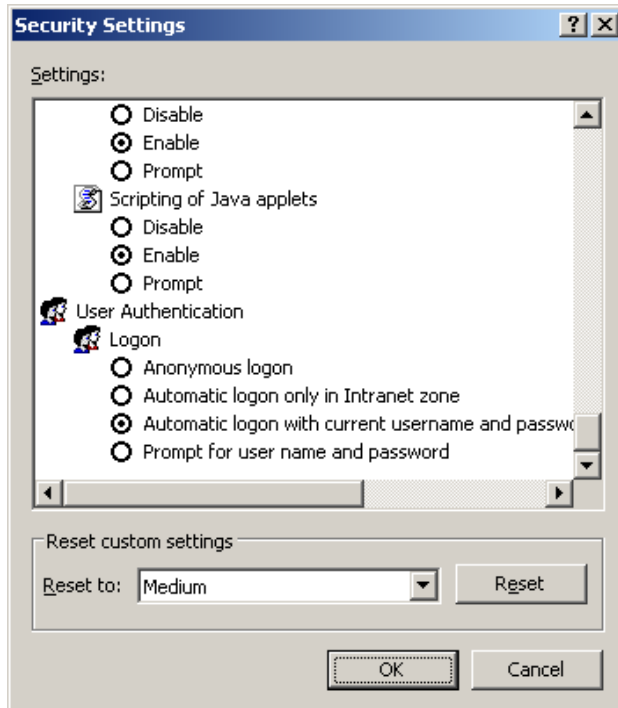
Put the Linux server running the Fabasoft Folio Management Service in the “Local intranet” or “Trusted sites” zone. On the “Tools” menu click “Internet Options”. On the “Security” tab click “LAN Settings” and select the desired zone and add the server (“Sites” button).



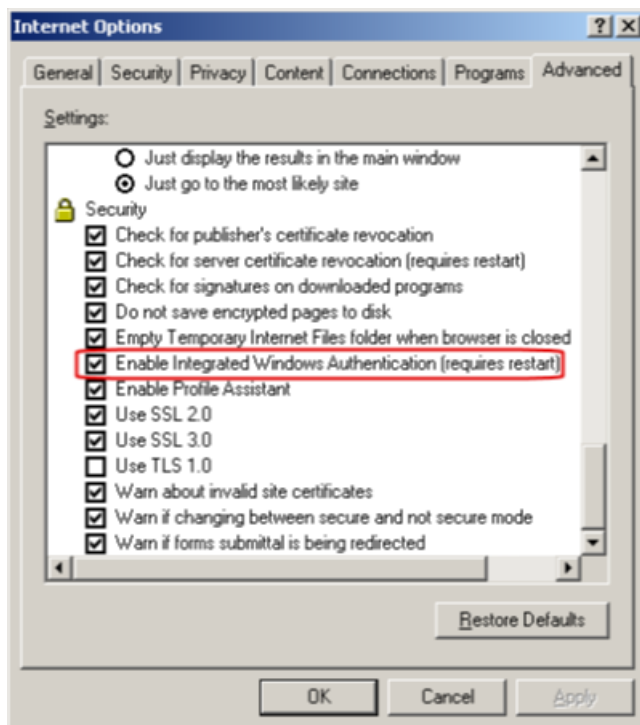
If the server is added to the local intranet, the default security setting *Automatic logon only in Intranet zone* for that zone is appropriate.



If the server is added to the trusted sites, the *Automatic logon with current username and password* security setting has to be selected.



Additionally, the integrated Windows authentication has to be enabled. On the "Tools" menu select "Internet Options". On the "Advanced" tab select the *Enable Integrated Windows Authentication (requires restart)* check box.





### 4.2.3 URL

It is mandatory that a fully qualified domain name is provided to connect to the Fabasoft Folio Management Service. By default the Fabasoft Folio Management Service listens on port 17088.

**Example:**

```
http://fsc1nx.sub.comp.com:17088
```

## 4.3 Kerberos Tickets

The user, who should administer the Fabasoft Folio Domain via the Fabasoft Folio Web Management, must have a valid Kerberos ticket.

If the Fabasoft Folio Web Management runs on a Microsoft Windows system, log in as a Microsoft Windows domain user, who has administrative rights on the Fabasoft Folio Domain. The Kerberos ticket is provided automatically.

If the Fabasoft Folio Web Management runs on a Linux system, the Kerberos ticket is also provided automatically if a LDAP and KDC environment is available. To get a ticket for a specific user (e.g. Microsoft Windows domain user) manually execute the `kinit <user>` command. To verify the ticket use the `klist` command.

## 5 LDAP Authentication

In addition to Kerberos, the Fabasoft Folio Web Management also supports authentication based on LDAP via Pluggable Authentication Modules for Linux (PAM).

To enable PAM authentication, the following command must be executed:

```
echo -n "-k" > /var/opt/fabasoft/instances/WebManagement/env/CommandLine
```

The Fabasoft Folio Web Management Service has to be restarted for the modification to take effect.

Additionally, PAM must be configured according to your LDAP infrastructure. The PAM configuration can be found in `/etc/pam.d`. The directory contains a single file per service, which is typically a familiar name corresponding to an application. For each service, the file `/etc/pam.d/<service>` contains its configuration. In case of the Fabasoft Folio Web Management, the service name is "fscwmc". Consequently, the file `/etc/pam.d/fscwmc` must be created or modified to complete the authentication configuration for LDAP.

## 6 Disabling Authentication

It is possible to disable the authentication on the Fabasoft Folio Web Management Service. This can be done by executing the following command:

```
echo -n "-x" > /var/opt/fabasoft/instances/WebManagement/env/CommandLine
```

The Fabasoft Folio Web Management Service has to be restarted.

## 7 Loading Fabasoft Folio Licenses

If you want to load a new or additional license into your Fabasoft Folio Domain you have to select the domain you want to update, right click → Load. In the appearing window you have to navigate to the page "Load: Software Product Licenses" ("→"), select the License you want to install/update and press "→" to start the process.

## 8 Loading Fabasoft Folio Translations

If you want to load an additional Translation into your Fabasoft Folio Domain you have to select the domain you want to update, right click → Load. Press the Find Button and then specify the file system path to the translations (e.g. translations/LANG\_FRENCH). Make sure that the Checkbox Look for installed software products only is selected.

To start the process press “->” 4 times and wait for the operation to complete.