

Adabas Manager

Frequently Asked Questions

Version 8.4

October 2018

This document applies to Adabas Manager Version 8.4 and all subsequent releases.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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Table of Contents

1 About this Documentation	1
Document Conventions	2
Online Information and Support	2
Data Protection	3
2 Frequently Asked Questions	5
Adabas Manager and REST Server Configuration	6
Adabas Environment	11
File and Directory Browsing	12

1

About this Documentation

■ Document Conventions	2
■ Online Information and Support	2
■ Data Protection	3

Document Conventions

Convention	Description
Bold	Identifies elements on a screen.
Monospace font	Identifies service names and locations in the format <i>folder.subfolder.service</i> , APIs, Java classes, methods, properties.
<i>Italic</i>	Identifies: Variables for which you must supply values specific to your own situation or environment. New terms the first time they occur in the text. References to other documentation sources.
Monospace font	Identifies: Text you must type in. Messages displayed by the system. Program code.
{ }	Indicates a set of choices from which you must choose one. Type only the information inside the curly braces. Do not type the { } symbols.
	Separates two mutually exclusive choices in a syntax line. Type one of these choices. Do not type the symbol.
[]	Indicates one or more options. Type only the information inside the square brackets. Do not type the [] symbols.
...	Indicates that you can type multiple options of the same type. Type only the information. Do not type the ellipsis (...).

Online Information and Support

Software AG Documentation Website

You can find documentation on the Software AG Documentation website at <http://documentation.softwareag.com>. The site requires credentials for Software AG's Product Support site Empower. If you do not have Empower credentials, you must use the TECHcommunity website.

Software AG Empower Product Support Website

If you do not yet have an account for Empower, send an email to empower@softwareag.com with your name, company, and company email address and request an account.

Once you have an account, you can open Support Incidents online via the eService section of Empower at <https://empower.softwareag.com/>.

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If you have any questions, you can find a local or toll-free number for your country in our Global Support Contact Directory at https://empower.softwareag.com/public_directory.asp and give us a call.

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- Link to external websites that discuss open standards and web technology.

Data Protection

Software AG products provide functionality with respect to processing of personal data according to the EU General Data Protection Regulation (GDPR). Where applicable, appropriate steps are documented in the respective administration documentation.

2 Frequently Asked Questions


■ Adabas Manager and REST Server Configuration	6
■ Adabas Environment	11
■ File and Directory Browsing	12

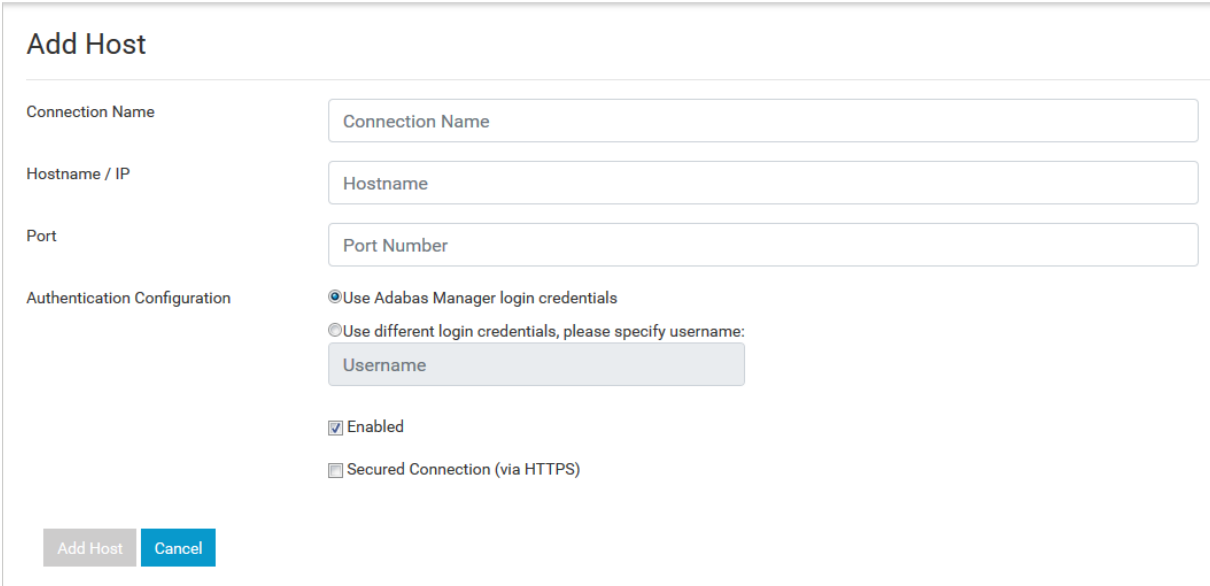
Adabas Manager and REST Server Configuration

Who can log in to the Adabas Manager?

Any user that has valid operating system (e.g. Windows) or LDAP login credentials.

How do I configure Adabas Manager to use Adabas Manager login credentials for host connection?

1. Click on the host configuration icon  on the top right corner of the Adabas Manager screen.
2. Click on the button **Add Host** above Adabas Host Connections list.

3. 


Enter the Connection Name, Host Name/IP and Port for the new connection. Then select the **Use Adabas Manager login credentials** radio button.

4. Click on the **Add Host** button to add the new host connection.

How do I configure the REST server to use Adabas Manager login credentials?

1. Go to the installation directory of the REST server - for example, if your installation directory is `C:\SoftwareAG_ADA` then go to: `C:\SoftwareAG_ADA\AdabasRestAdministration\configuration`.
2. Open the file `config.xml` and search for the XML tag `<LoginService...>`.
3. Edit the value of `module` to `module=windows` (for Windows) or `module=unix` (for Unix).
4. Save the edited version of `config.xml`.

How do I configure Adabas Manager to use different login credentials for the REST server connection?

1. Click on the host configuration icon  on the top right corner of the Adabas Manager screen.
2. Click on the button **Add Host** above Adabas Host Connections list.

3.

Add Host

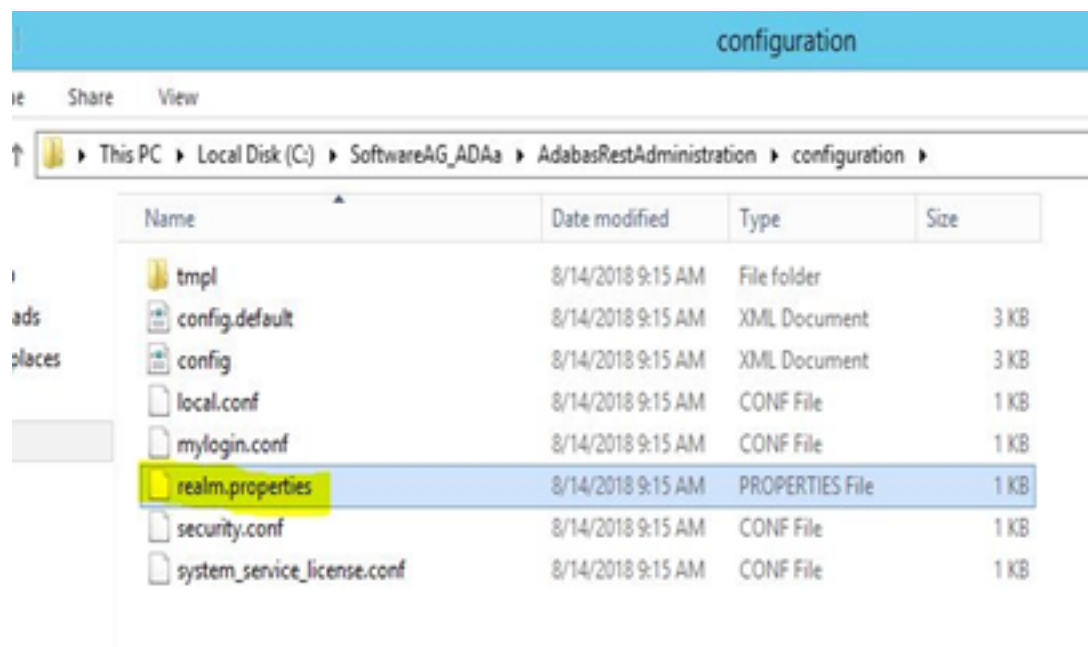
Connection Name	<input type="text" value="Connection Name"/>
Hostname / IP	<input type="text" value="Hostname"/>
Port	<input type="text" value="Port Number"/>
Authentication Configuration	<input type="radio"/> Use Adabas Manager login credentials <input checked="" type="radio"/> Use different login credentials, please specify username: <input type="text" value="Username"/>
	<input checked="" type="checkbox"/> Enabled <input type="checkbox"/> Secured Connection (via HTTPS)

Select the **Use different login credentials, please specify user name** radio button.

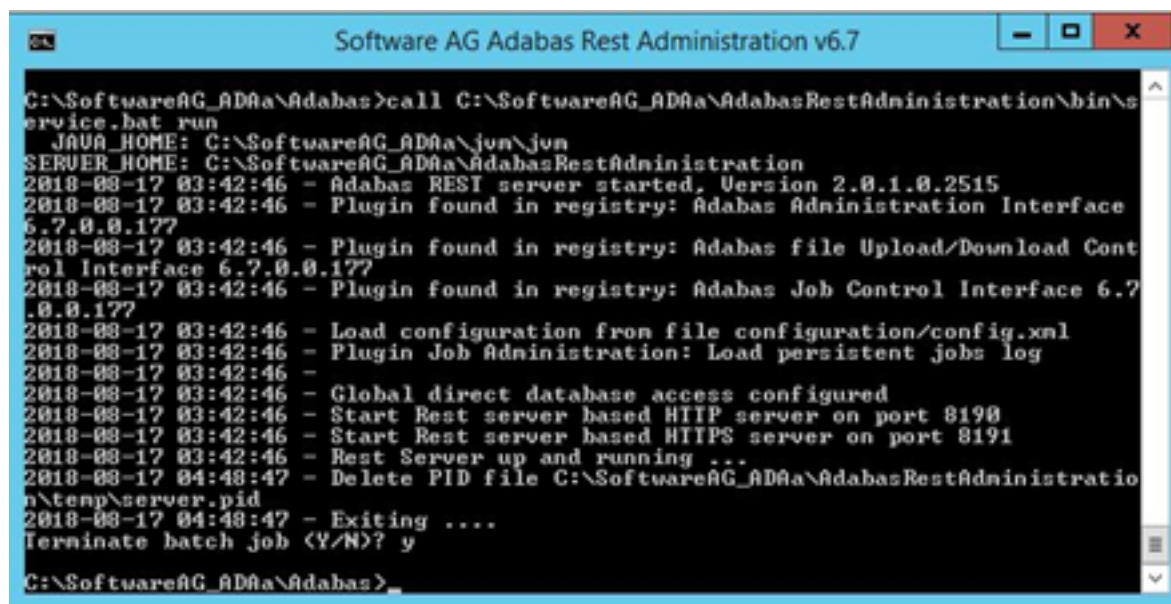
4. Click on the **Add Host** button to save the changes.

How do I configure the REST server to use different login credentials?

1. Go to the installation directory of the REST server (for example *C:\SoftwareAG_ADA\Adabas-RestAdministration\configuration*) and rename the file *realm.properties* to an arbitrary name.



2. Stop the rest server if it is running.



3. Run the command `service.bat init` from the Adabas command prompt (for example `C:\Software-AG_ADAA\AdabasRestAdministration\bin\service.bat init`). You will be prompted to *Enter Administration user*: enter the user name and password for that user.
4. The user name and password have now been set. Go back to the REST server installation directory and check for a new `realm.properties` file. Your user has been successfully added (see below). Run the command `service.bat run` to restart the REST server.

What is the default authentication mode of the REST server after installation?

By default it is `<LoginService class="" type="jaas" module="Adabas" />` (see the file *config.xml* in REST server installation directory).

```
<Service port="8190" type="http" />
<Service port="8191" type="https">
  <KeyStore file="keys/keystore.jks" />
  <KeyPassword password="test123" />
</Service>
<!-- The LoginService tag describe the chosen authentication method. Valid types are
jaas - Java JAAS authentication is chosen.
      A standard "Adabas" JAAS configuration is provided for authentication.
      The realm.properties file is needed containing user and password
      information.
      If no module is given, standard JAAS local authentication is choosen.
saf - The credentials are pass through to Adabas SAF enabled databases.
readonly - Only Read-Only access is granted. No modification are possible. Authentication
-->
<LoginService class="" type="jaas" module="Adabas" />
<!-- To shutdown the client need a server password initiating the shutdown. -->
<Shutdown passCode="test123" />
</Server>
<Directories role="fileadmin" use_role="false">
  <Directory name="adadatadir" location="${ADADATADIR}" />
</Directories>
<Admin role="aifadmin" use_role="false">
  </Admin>
</RestServer>
```

It can be changed to `<LoginService class="" type="jaas" module="Windows" />` in order to use Adabas Manager login credentials.

```
<!-- Service tags define a service port number and type. Valid types are http, https and ws.
http - HTTP server
https - SSL/HTTP server

if the type https is chosen, the KeyStore and KeyPassword tags are needed to define the SSL
certificate and corresponding password, if needed.
-->
<Service port="8190" type="http" />
<Service port="8191" type="https">
  <KeyStore file="keys/keystore.jks" />
  <KeyPassword password="test123" />
</Service>
<!-- The LoginService tag describe the chosen authentication method. Valid types are
jaas - Java JAAS authentication is chosen.
      A standard "Adabas" JAAS configuration is provided for authentication.
      The realm.properties file is needed containing user and password
      information.
      If no module is given, standard JAAS local authentication is choosen.
saf - The credentials are pass through to Adabas SAF enabled databases.
readonly - Only Read-Only access is granted. No modification are possible. Authentication is not
-->
<LoginService class="" type="jaas" module="Windows" />
<!-- To shutdown the client need a server password initiating the shutdown. -->
<Shutdown passCode="test123" />
</Server>
<Directories role="fileadmin" use_role="false">
  <Directory name="adadatadir" location="{ADADATADIR}" />
</Directories>
<Admin role="aifadmin" use_role="false">
</Admin>
</RestServer>
```

How can I change the authentication mode of the REST server?

It can be changed by editing the file *config.xml*. Use `<LoginService class="" type="jaas" module="Windows" />` in order to use Adabas Manager login credentials. By default it is `<LoginService class="" type="jaas" module="Adabas" />`.

How can I use a secured connection via https to the REST server?

1. Click on the host configuration icon  on the top right corner of the Adabas Manager screen.
2. Click on the button **Add Host** above Adabas Host Connections list, or click on the edit icon  in the Edit column next to the connection that you want to secure.
- 3.

Edit Host - daeama05

Connection Name	<input type="text" value="daeama05"/>
Hostname / IP	<input type="text" value="daeama05"/>
Port	<input type="text" value="8190"/>
Authentication Configuration	<input type="radio"/> Use Adabas Manager login credentials <input checked="" type="radio"/> Use different login credentials, please specify username: <input type="text" value="admin"/>
	<input type="checkbox"/> Enabled <input checked="" type="checkbox"/> Secured Connection (via HTTPS)

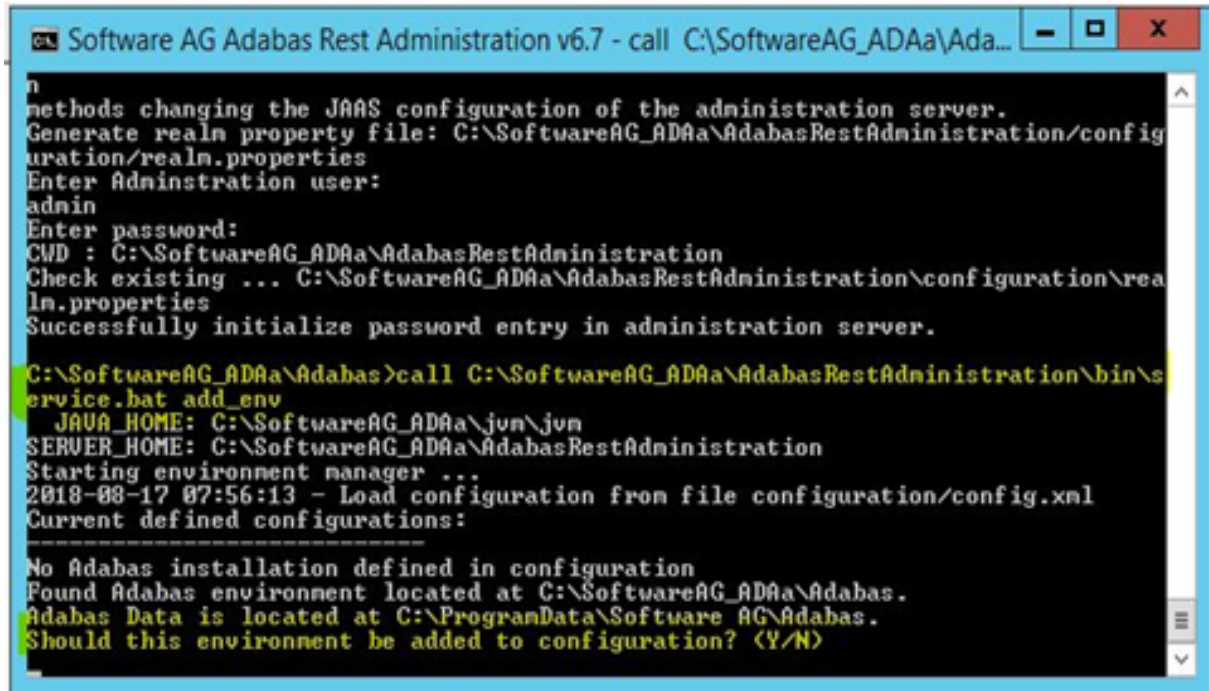
Select the **Secured Connection (via HTTPS)** check box.

- Click on the **Add Host** button (or the **Save** button) to save the changes.

Adabas Environment

How do I configure Adabas Manager and the REST server to allow the administration of different Adabas versions on different nodes?

- Set the environment from an Adabas command prompt by executing the command *service.bat add_env*.
- You will be prompted with the directory location (for example *C:\ProgramData\Software_AG\Adabas*). Enter *Y* or *N*, depending on your choice of environment.



```
Software AG Adabas Rest Administration v6.7 - call C:\SoftwareAG_ADAA\Ada...
n
methods changing the JAAS configuration of the administration server.
Generate realm property file: C:\SoftwareAG_ADAA\AdabasRestAdministration\config
uration\realm.properties
Enter Administration user:
admin
Enter password:
CWD : C:\SoftwareAG_ADAA\AdabasRestAdministration
Check existing ... C:\SoftwareAG_ADAA\AdabasRestAdministration\configuration\rea
lm.properties
Successfully initialize password entry in administration server.

C:\SoftwareAG_ADAA\Adabas>call C:\SoftwareAG_ADAA\AdabasRestAdministration\bin\s
ervice.bat add_env
  JAVA_HOME: C:\SoftwareAG_ADAA\jvm\jvm
  SERVER_HOME: C:\SoftwareAG_ADAA\AdabasRestAdministration
Starting environment manager ...
2018-08-17 07:56:13 - Load configuration from file configuration/config.xml
Current defined configurations:

-----
No Adabas installation defined in configuration
Found Adabas environment located at C:\SoftwareAG_ADAA\Adabas.
Adabas Data is located at C:\ProgramData\Software AG\Adabas.
Should this environment be added to configuration? (Y/N)
```

You can enable administration of different versions of Adabas by simply pointing to another directory location.

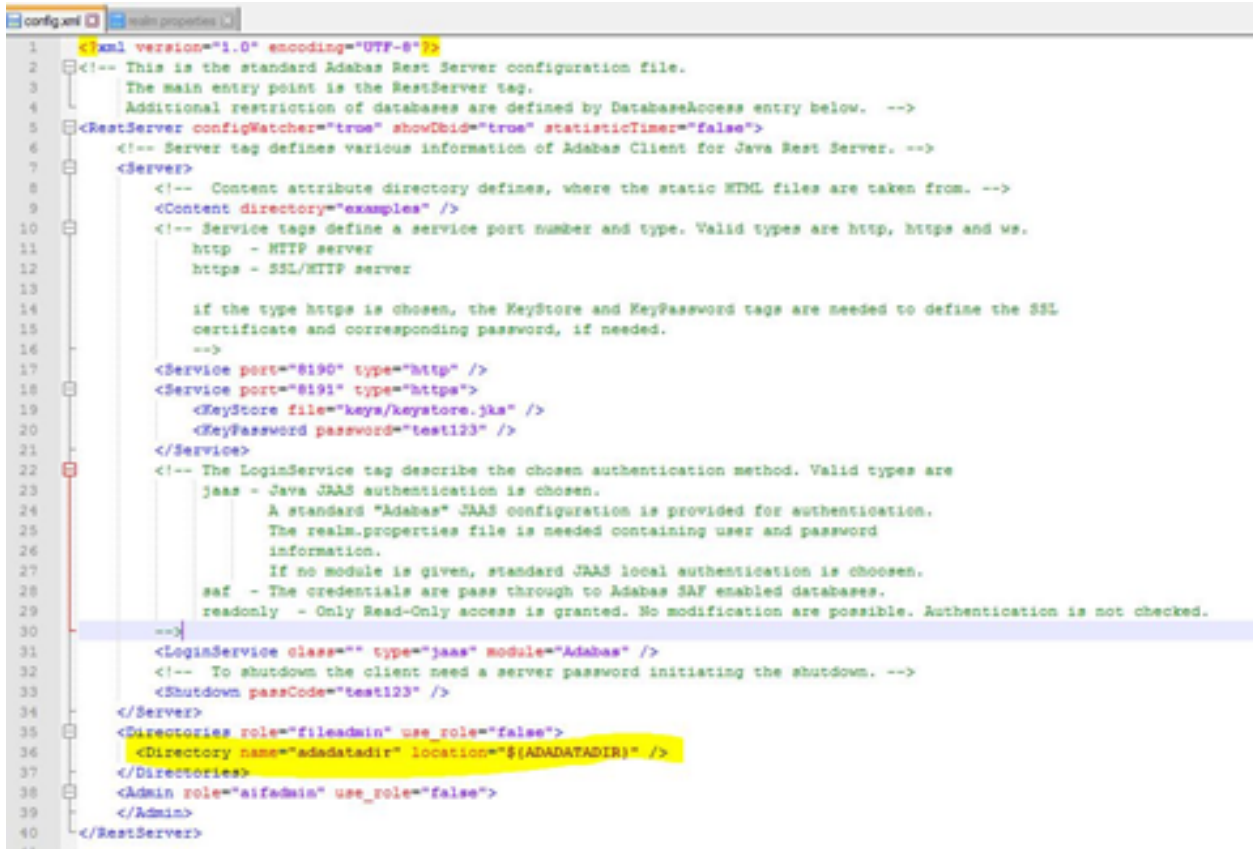
How do I install the REST server for Adabas environments < Version 6.7?

Use the REST server installed for Adabas Version 6.7, pointing to the directory of the eralier Adabas version.

File and Directory Browsing

How do I use browsing in the Adabas Manager?

Browsing directories can be included in the *config.xml* file (for example *C:\SoftwareAG_ADAA\AdabasRestAdministration\configuration\config.xml*). By default, the browsing directory is set to *{ADADATADIR}* .



```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <!-- This is the standard Adabas Rest Server configuration file.
3 The main entry point is the RestServer tag.
4 Additional restriction of databases are defined by DatabaseAccess entry below. -->
5 <RestServer configWatcher="true" showDbid="true" statisticTimer="false">
6 <!-- Server tag defines various information of Adabas Client for Java Rest Server. -->
7 <Server>
8 <!-- Content attribute directory defines, where the static HTML files are taken from. -->
9 <Content directory="examples" />
10 <!-- Service tags Define a service port number and type. Valid types are http, https and ws.
11 http - HTTP server
12 https - SSL/HTTP server
13
14 if the type https is chosen, the KeyStore and KeyPassword tags are needed to define the SSL
15 certificate and corresponding password, if needed.
16 -->
17 <Service port="8190" type="http" />
18 <Service port="8191" type="https">
19 <KeyStore file="keys/keystore.jks" />
20 <KeyPassword password="test123" />
21 </Service>
22 <!-- The LoginService tag describe the chosen authentication method. Valid types are
23 jaas - Java JAAS authentication is chosen.
24 A standard "Adabas" JAAS configuration is provided for authentication.
25 The realm.properties file is needed containing user and password
26 information.
27 If no module is given, standard JAAS local authentication is choosen.
28 saif - The credentials are pass through to Adabas SAF enabled databases.
29 readonly - Only Read-Only access is granted. No modification are possible. Authentication is not checked.
30 -->
31 <LoginService class="" type="jaas" module="Adabas" />
32 <!-- To shutdown the client need a server password initiating the shutdown. -->
33 <Shutdown passCode="test123" />
34 </Server>
35 <Directories role="fileadmin" use_role="false">
36 <Directory name="adadatadir" location='${ADADATADIR}' />
37 </Directories>
38 <Admin role="aifadmin" use_role="false">
39 </Admin>
40 </RestServer>

```

How do I use local drives and mapped network drives?

You can add local drives and mapped network drives to the *config.xml* file.

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <!-- This is the standard Adabas Rest Server configuration file.
3 The main entry point is the RestServer tag.
4 Additional restriction of databases are defined by DatabaseAccess entry below. -->
5 <RestServer configWatcher="true" showGid="true" statisticTimer="false">
6 <!-- Server tag defines various information of Adabas Client for Java Rest Server. -->
7 <Server>
8 <!-- Content attribute directory defines, where the static HTML files are taken from. -->
9 <Content directory="examples" />
10 <!-- Service tags define a service port number and type. Valid types are http, https and ws.
11 http - HTTP server
12 https - SSL/HTTP server
13
14 if the type https is chosen, the KeyStore and KeyPassword tags are needed to define the SSL
15 certificate and corresponding password, if needed.
16 -->
17 <Service port="8190" type="http" />
18 <Service port="8191" type="https">
19 <KeyStore file="keys/keystore.jks" />
20 <KeyPassword password="test123" />
21 </Service>
22 <!-- The LoginService tag describe the chosen authentication method. Valid types are
23 jaas - Java JAAS authentication is chosen.
24 A standard "Adabas" JAAS configuration is provided for authentication.
25 The realm.properties file is needed containing user and password
26 information.
27 If no module is given, standard JAAS local authentication is chosen.
28 saaf - The credentials are pass through to Adabas SAF enabled databases.
29 readonly - Only Read-Only access is granted. No modification are possible. Authentication is not check
30 -->
31 <LoginService class="" type="jaas" module="Adabas" />
32 <!-- To shutdown the client need a server password initiating the shutdown. -->
33 <Shutdown passCode="test123" />
34 </Server>
35 <Directories role="fileadmin" use_role="false">
36 <Directory name="adadatadir" location="${ADADATADIR}" />
37 <Directory name="ada" location="C:\Software\AG_ADA\Adabas" />
38 </Directories>
39 <Admin role="aifadmin" use_role="false">
40 </Admin>
41 </RestServer>

```

Select input file for restore

Host daeind27623:8190

Browse

ada C:\Software\AG_ADA\Adabas

Current Directory

C:\Software\AG_ADA\Adabas

+ Create New Directory

Name	Type	Size	Modified	Created
adaaif.dll	File	11871 KB	14-Aug-2018 15:15	14-Aug-2018 15:15
adaanl.exe	File	140 KB	14-Aug-2018 15:15	14-Aug-2018 15:15
adaauth.dll	File	72 KB	14-Aug-2018 15:15	14-Aug-2018 15:15
adabas.exe	File	26 KB	14-Aug-2018 15:15	14-Aug-2018 15:15
ADABAS.INI	File	4 KB	14-Aug-2018 15:15	14-Aug-2018 15:15
adabck.exe	File	194 KB	14-Aug-2018 15:15	14-Aug-2018 15:15

How do I configure the REST server to allow browsing of network drives?

You can add the network drive directory to the *config.xml* file.

```
<Service port="8190" type="http" />
<Service port="8191" type="https">
  <KeyStore file="keys/keystore.jks" />
  <KeyPassword password="test123" />
</Service>
<!-- The LoginService tag describe the chosen authentication method. Valid types are
jaas - Java JAAS authentication is chosen.
      A standard "Adabas" JAAS configuration is provided for authentication.
      The realm.properties file is needed containing user and password
      information.
      If no module is given, standard JAAS local authentication is choosen.
saf - The credentials are pass through to Adabas SAF enabled databases.
readonly - Only Read-Only access is granted. No modification are possible. Authentication is not cl
-->
<LoginService class="" type="jaas" module="Adabas" />
<!-- To shutdown the client need a server password initiating the shutdown. -->
<Shutdown passCode="test123" />
</Server>
<Directories role="fileadmin" use_role="false">
  <Directory name="adadatadir" location="{ADADATADIR}" />
  <Directory name="ada" location="C:\SoftwareAG ADAa\Adabas" />
  <Directory name="ada" location="S:\SoftwareAG_TEST" />
</Directories>
<Admin role="aifadmin" use_role="false">
  </Admin>
</RestServer>
```

Select input file for restore

Hostdaeimnd27623 : 8190

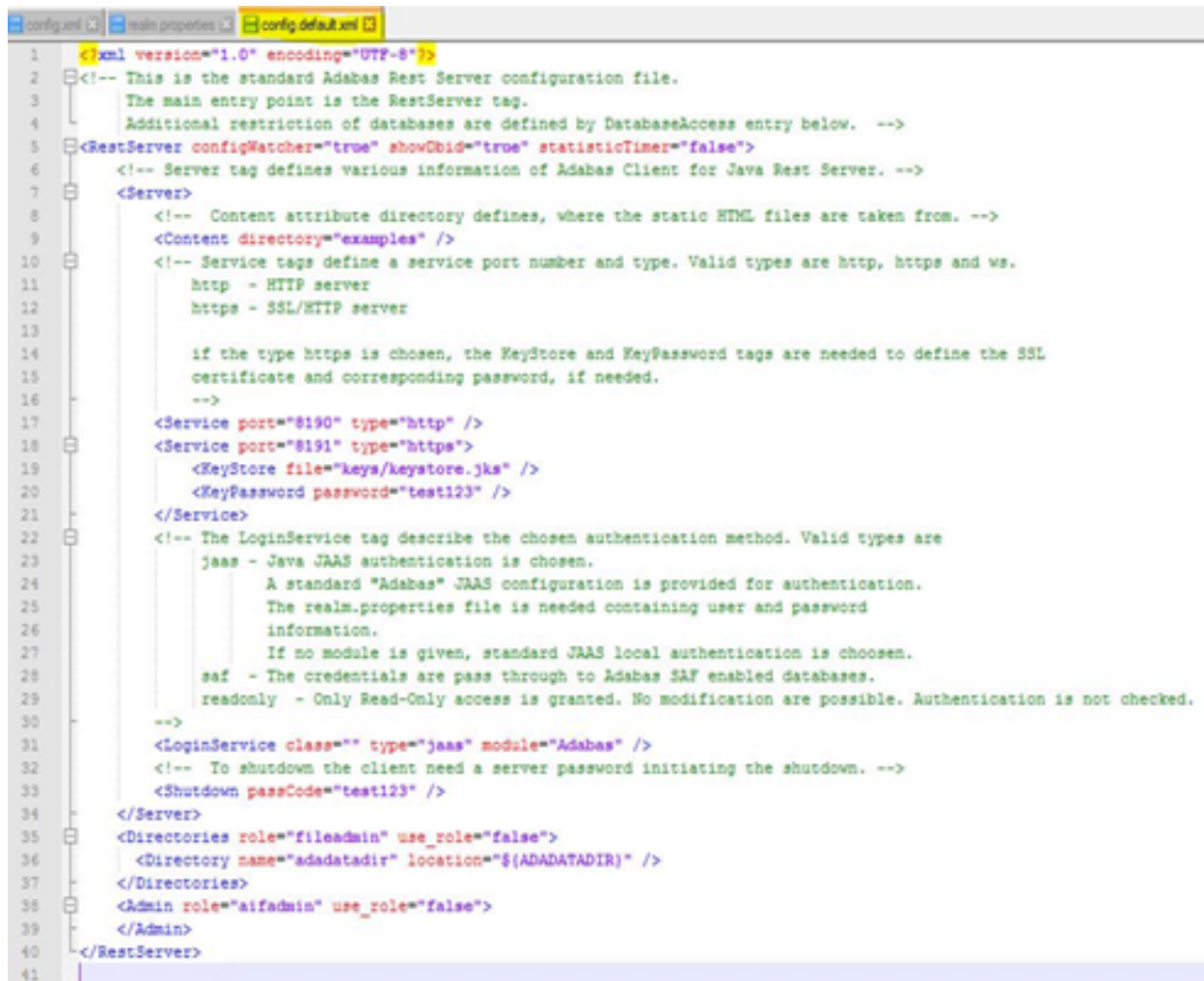
Browse
remote: S:\SoftwareAG_TEST

Current DirectoryS:\SoftwareAG_TEST
Create New Directory

Name	Type	Size	Modified	Created
------	------	------	----------	---------

What is the default configuration of the REST server after installation?

The default configuration of the REST server can be found in *config.default.xml* file.



```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <!-- This is the standard Adabas Rest Server configuration file.
3  The main entry point is the RestServer tag.
4  Additional restriction of databases are defined by DatabaseAccess entry below. -->
5  <RestServer configWatcher="true" showObjid="true" statisticTimer="false">
6  <!-- Server tag defines various information of Adabas Client for Java Rest Server. -->
7  <Server>
8  <!-- Content attribute directory defines, where the static HTML files are taken from. -->
9  <Content directory="examples" />
10 <!-- Service tags define a service port number and type. Valid types are http, https and ws.
11 http - HTTP server
12 https - SSL/HTTP server
13
14 if the type https is chosen, the KeyStore and KeyPassword tags are needed to define the SSL
15 certificate and corresponding password, if needed.
16 -->
17 <Service port="8190" type="http" />
18 <Service port="8191" type="https">
19 <KeyStore file="keys/keystore.jks" />
20 <KeyPassword password="test123" />
21 </Service>
22 <!-- The LoginService tag describe the chosen authentication method. Valid types are
23 jaas - Java JAAS authentication is chosen.
24 A standard "Adabas" JAAS configuration is provided for authentication.
25 The realm.properties file is needed containing user and password
26 information.
27 If no module is given, standard JAAS local authentication is choosen.
28 saf - The credentials are pass through to Adabas SAF enabled databases.
29 readonly - Only Read-Only access is granted. No modification are possible. Authentication is not checked.
30 -->
31 <LoginService class="" type="jaas" module="Adabas" />
32 <!-- To shutdown the client need a server password initiating the shutdown. -->
33 <Shutdown passCode="test123" />
34 </Server>
35 <Directories role="fileadmin" use_role="false">
36 <Directory name="adadatadir" location="${ADADATADIR}" />
37 </Directories>
38 <Admin role="aifadmin" use_role="false">
39 </Admin>
40 </RestServer>
41

```