



# **B2B Gateway Installation and Configuration Axway Activator**

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# 1 Introduction

This guide helps trading partners of Telekom to install and configure AXWAY Synchrony Endpoint Activator Version x.x to trade business documents with the Telekom ebXML-Gateway.

This Step-by-Step guide is based on the following assumption:

- AXWAY Synchrony Endpoint Activator Version 5.9 or higher
- Message protocol: ebXML 2.0
- Transport protocol: HTTPS
- File-based backend integration on partner side.

It describes the Step-by-Step installation of Activator on a Windows OS. Installation on Unix OS or Linux OS has to be executed in an analogous way.

## **ATTENTION:**

The on-hand Step-by-Step Guide does not substitute the official administration documentation “Installation and Configuration Guide Synchrony Endpoint Activator”. It only outlines the steps which are necessary to connect to Telekom’s ebXML Gateway.

The Screenshots inside this document might slightly differ from the actual installation, depending on the version being installed.

## 1.1 Step by Step

We recommend performing the procedures in the following steps:

1. Install Axway Activator
2. Initial setup of your community
3. Send your community data to Telekom
4. Import CPA file.

## 2 Install Axway Activator

### 2.1 Preconditions

Use this procedure to install AXWAY Synchrony Activator on a computer that has any of the following Windows operating systems:

- Windows XP Professional Edition with Service Pack 1 or later
- Windows Vista Business/ Enterprise
- Windows 7 Professional 32 Bit
- Windows Server 2003
- Windows Server 2008

If you have a computer that uses a Linux operating system, see the *Administrator's Guide* for the steps. The guide also lists the required hardware and software for operating systems.

Before you install, you need the AXWAY Synchrony Activator software and the license.xml file for it. The installation wizard prompts you for the location of the file.

To avoid possible problems later, make sure your computer's time and date are accurate before you install AXWAY Synchrony Activator.

To install on a Windows computer, you must have Internet Explorer 6 or later on the machine. The installation process requires IE to install AXWAY Synchrony Activator Version 5.9. or higher.

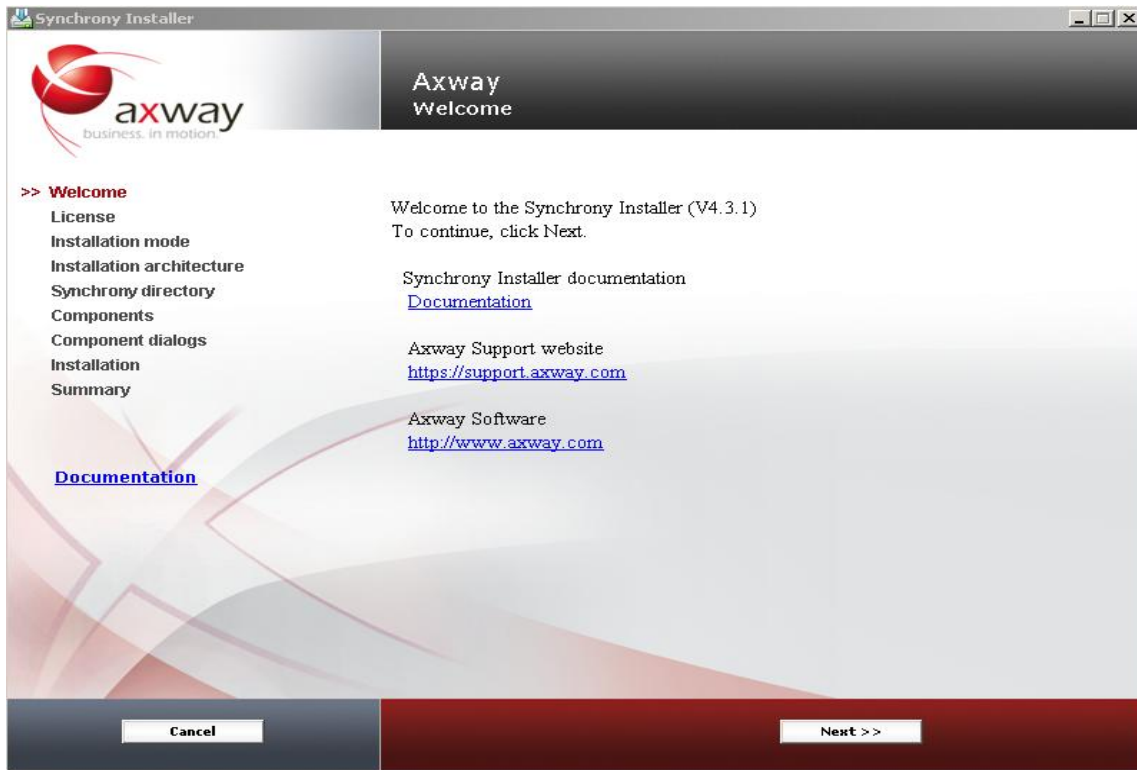
Close any applications that might be running.

### 2.2 Installation Wizard

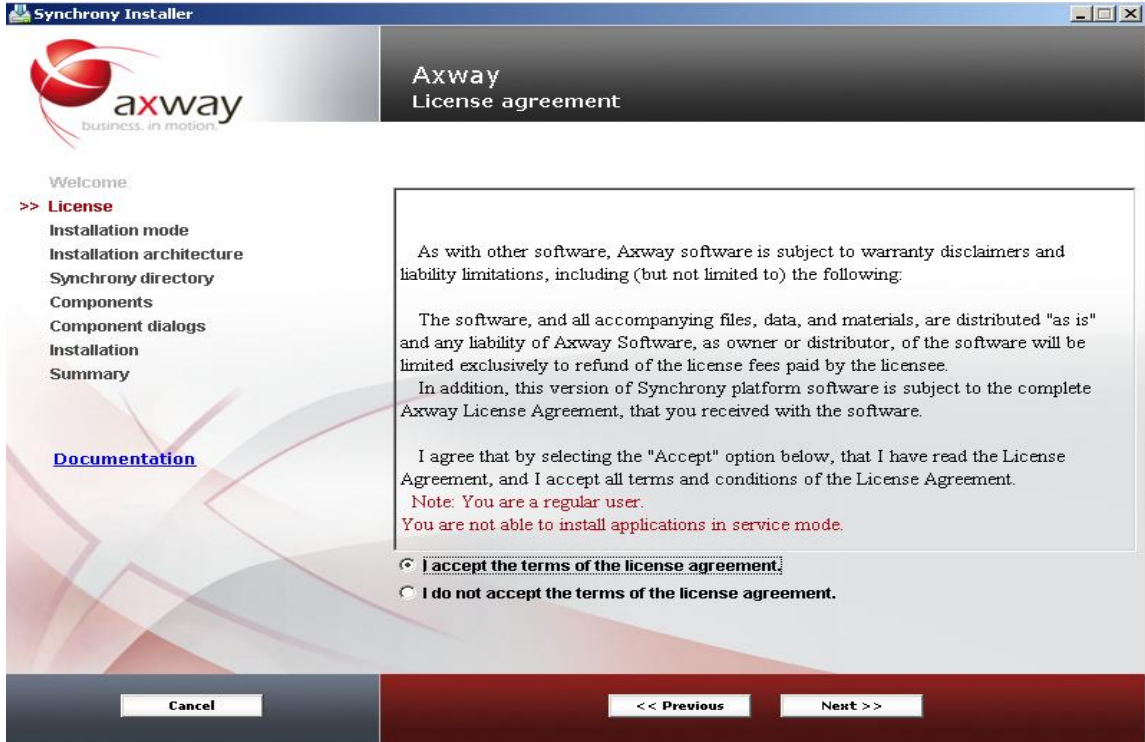
After you have extract the zip file from the CD or the AXWAY download site in a temporary directory e.g. c:/tmp/activatorX.X, double-click the **setupWin32.exe** file to launch the installation wizard. This is a self-extracting executable archive file.

The following screen has to be shown on display:

(The Screenshots inside this document might slightly differ from the actual installation, depending on the version being installed.)



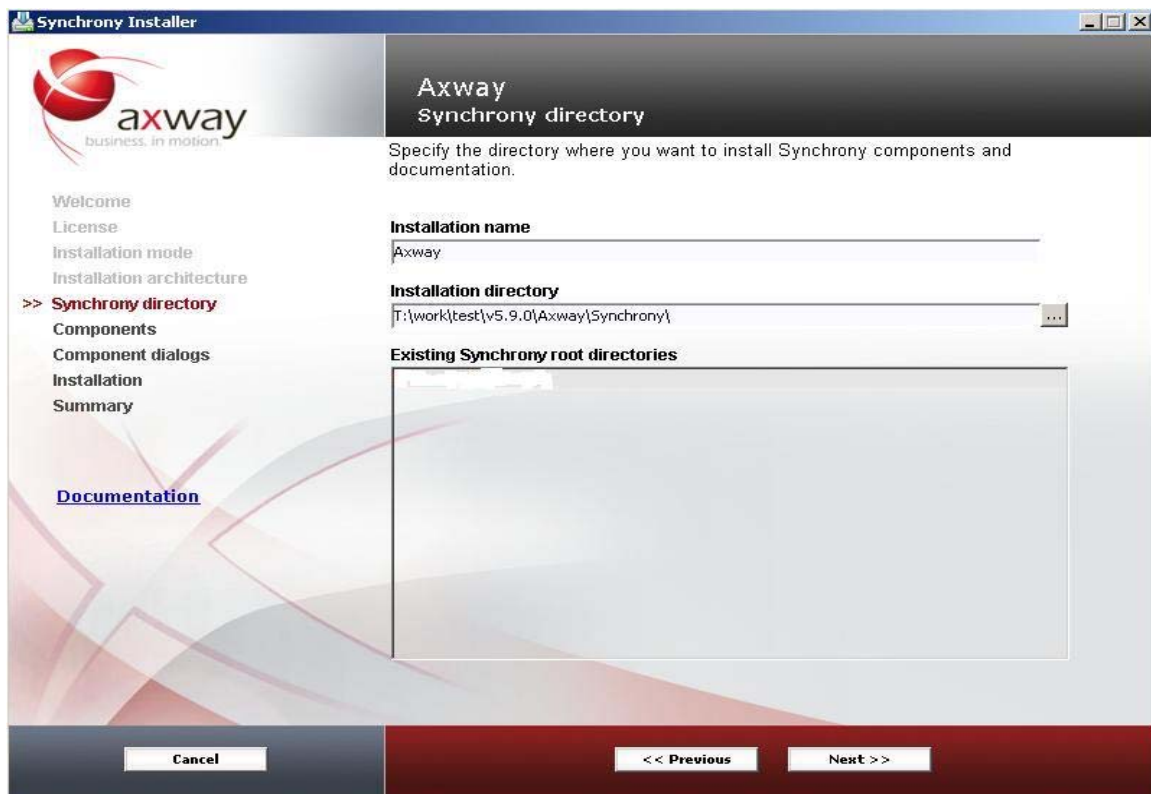
Follow the prompts for installing the AXWAY Activator



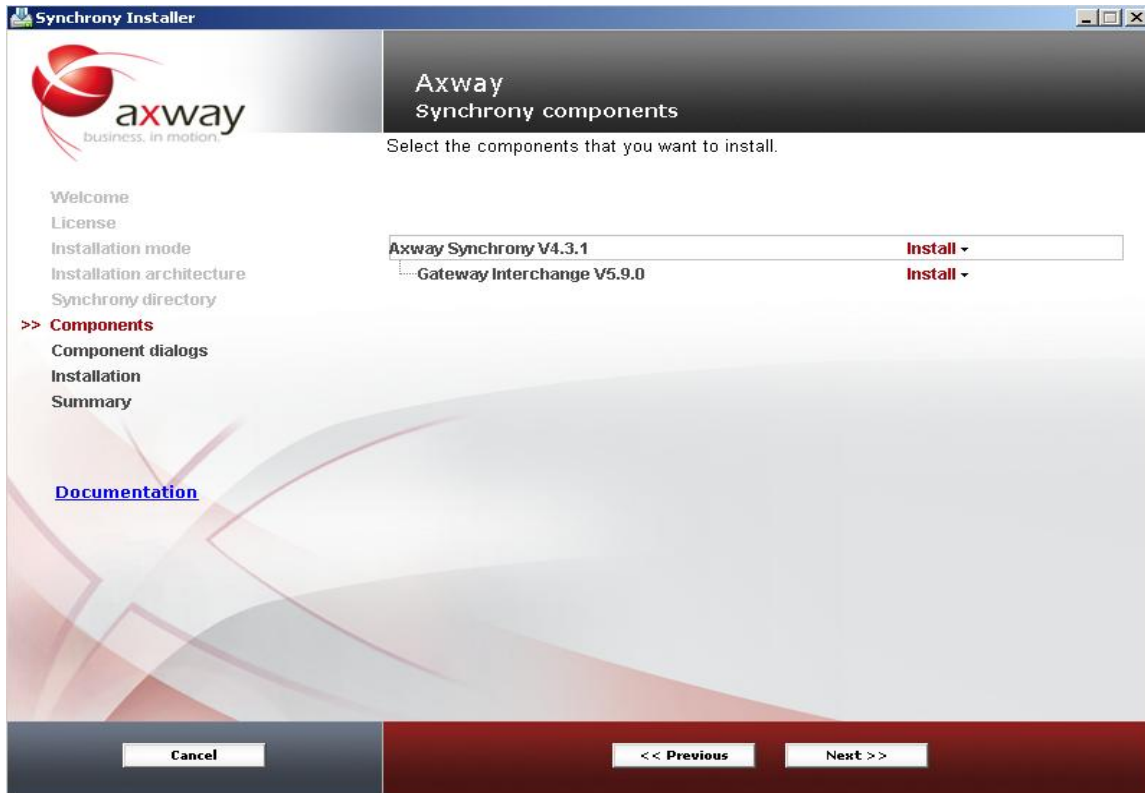
1. You have to accept the License Agreement.



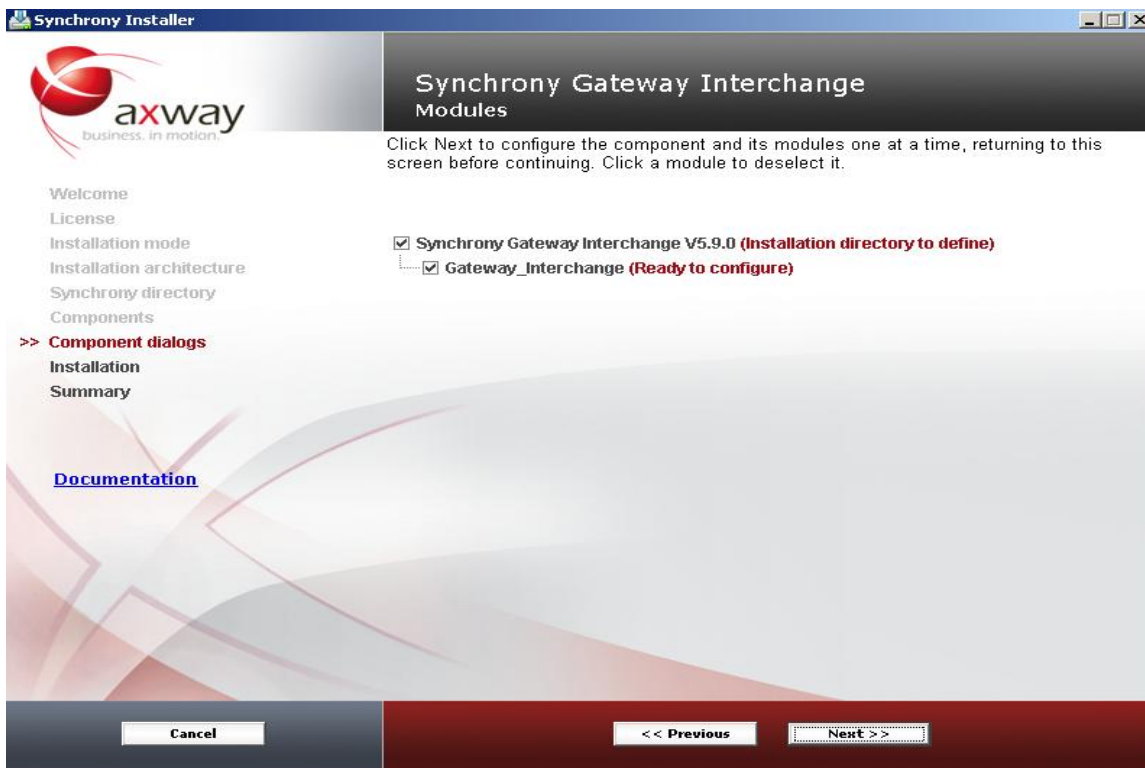
2. Choose the standard installation



3. Choose the location where the activator will be installed.

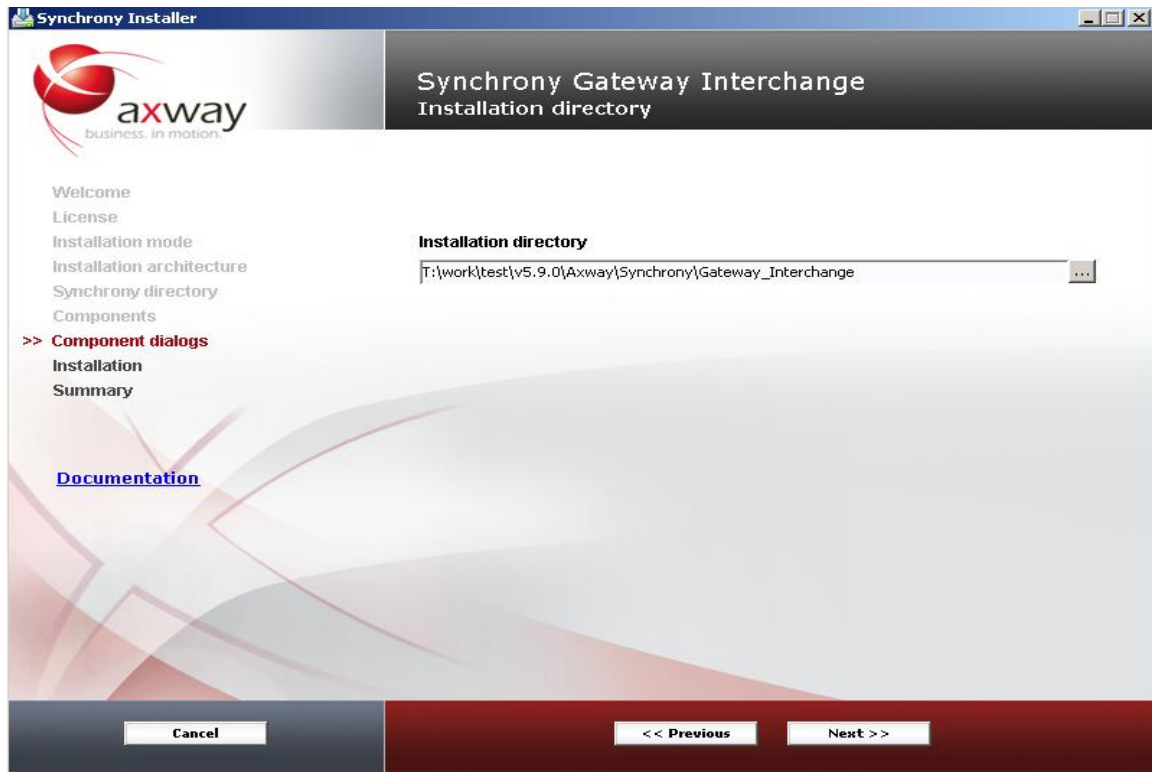


4. Select all components to be installed.



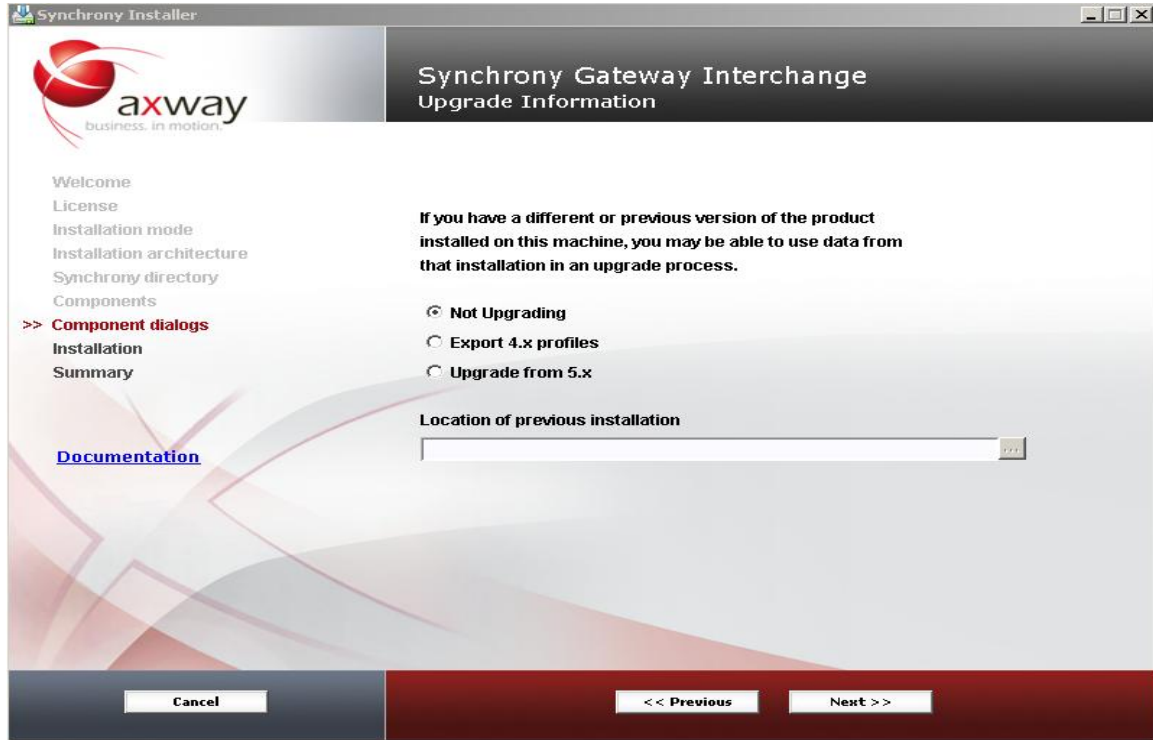
5. Continue with the installation by clicking "Next >>"



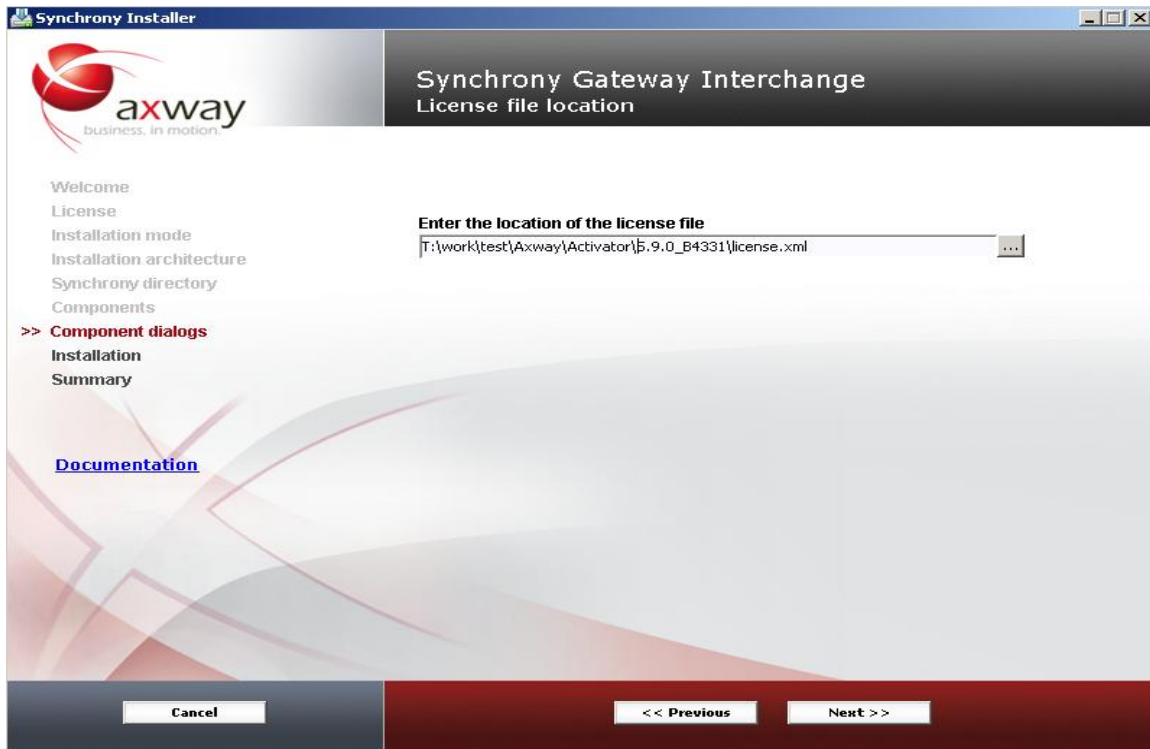


6.

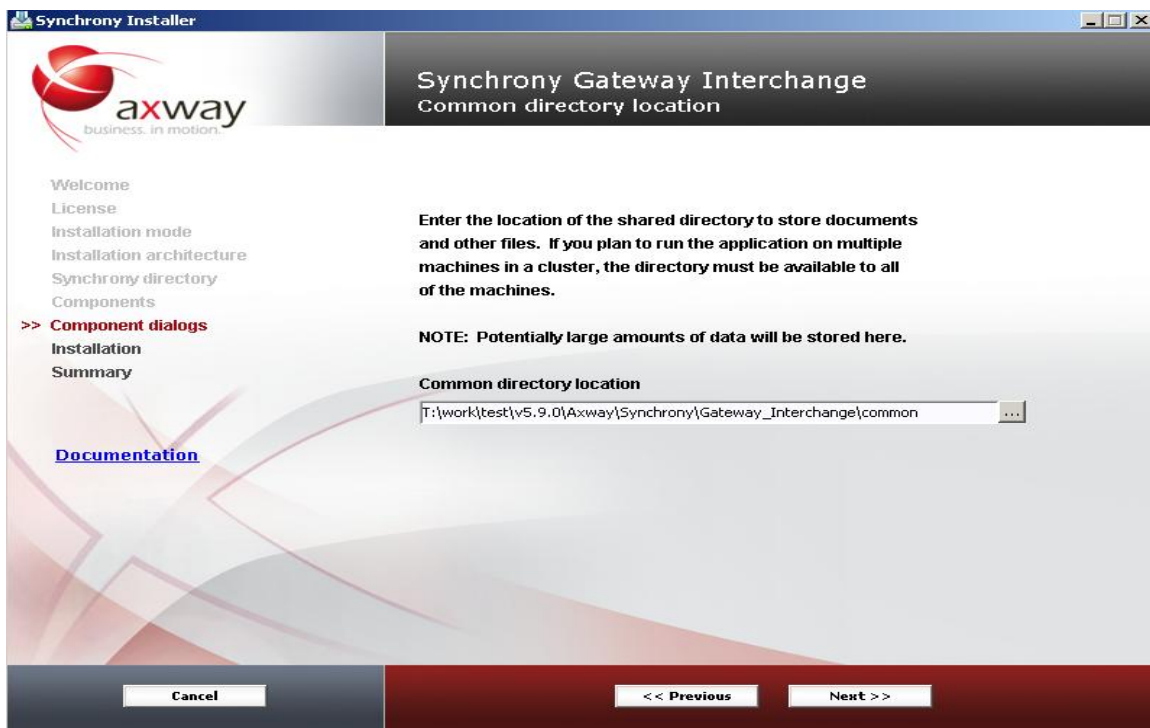
7. Enter the location of the AXWAY Interchange



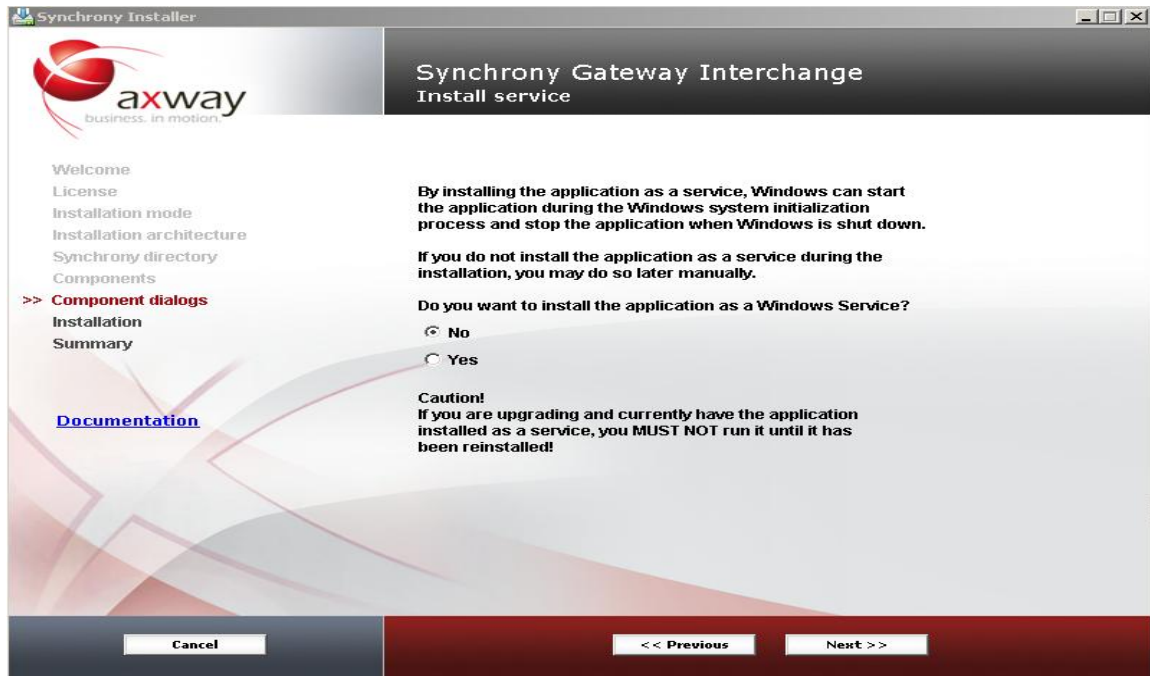
8. Select the button “Not upgrading” if you install the Activator the first time. The location of previous installation isn’t used in that case.



9. Select the location of the **license.xml** file.



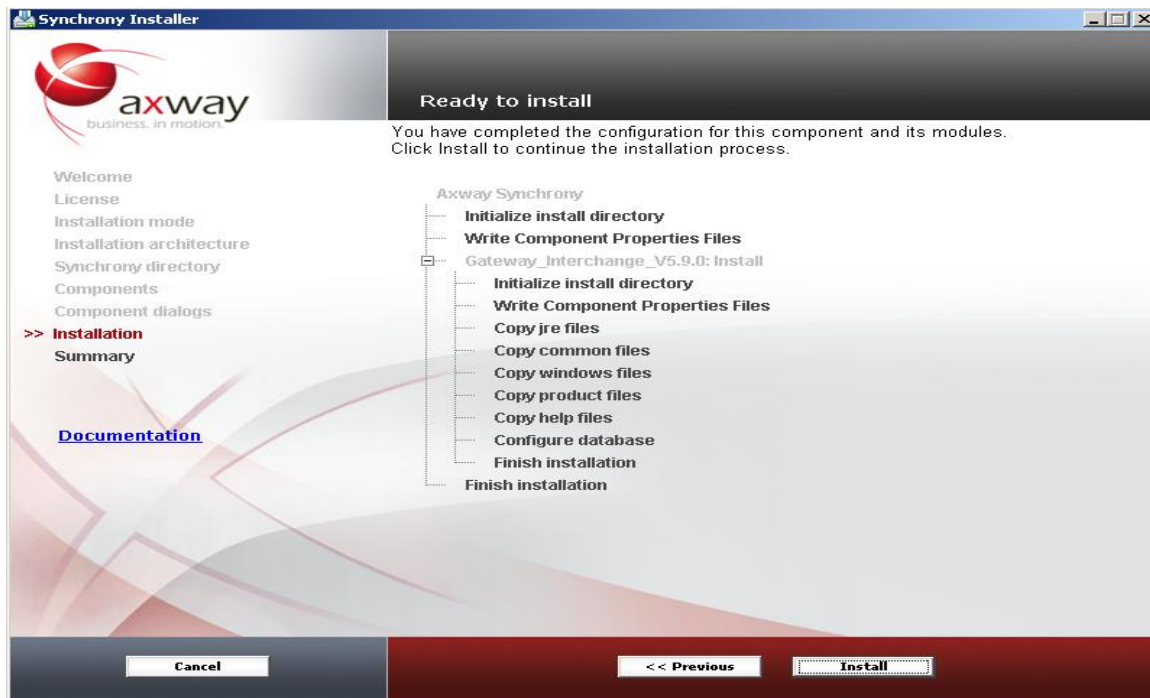
10. Enter the directory name where the messages and backups are stored. This is just the common folder. Other folders for in- and outbound messages can be chosen during the configuration of the AXWAY activator (s following chapters).



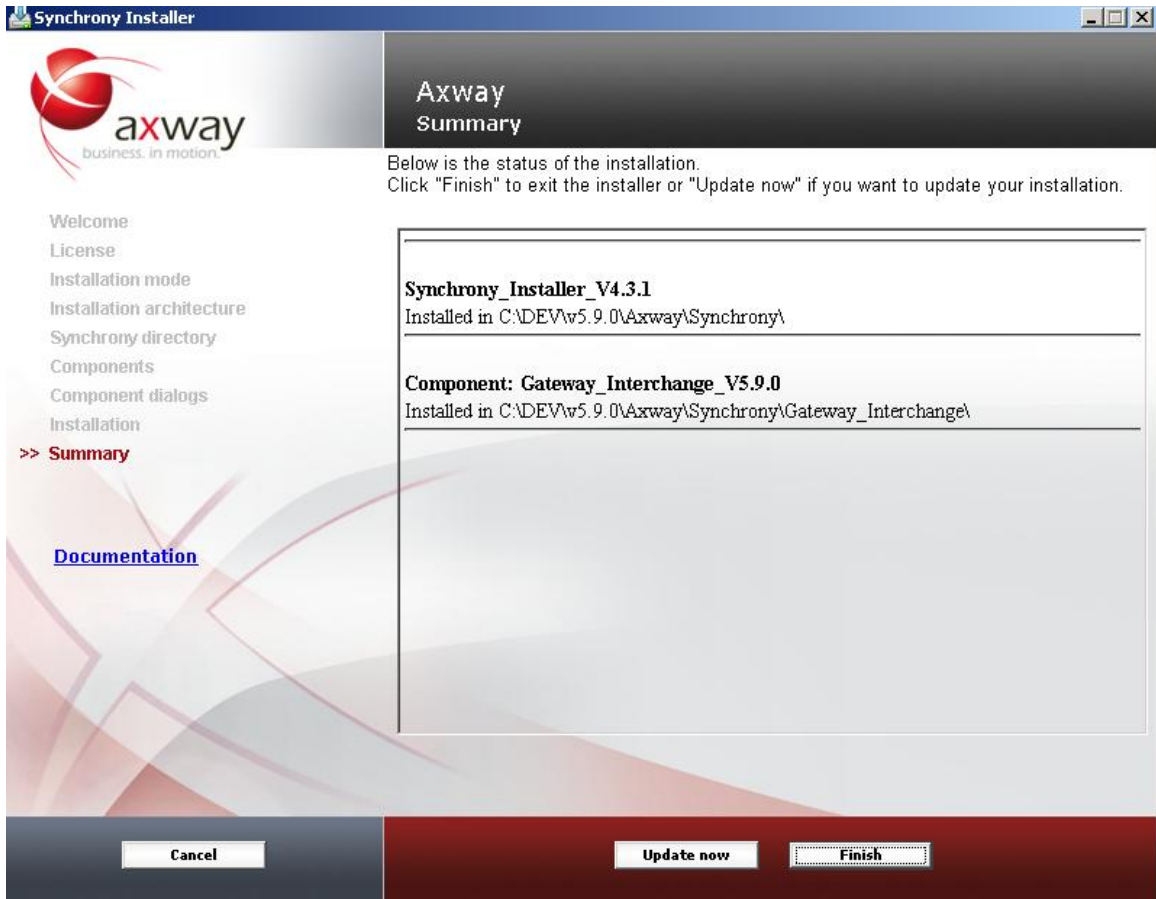
11. The installer ask you whether to set up the Activator as a Windows Service. You can set up this service later. See *Administrator's Guide Run as a Windows Service* on page 21.

**Caution:** You must have administrator rights to install a Windows Service.

12. Afterwards are general note is displayed and a installation summary is displayed.



13. Complete the installation by clicking in "install".



14. The last screen tells you the successful installation!

## 3 Initial Setup

### 3.1 Precondition

Before you can start and configure the Activator for communication with Telekom's Axway Interchange you have to start the AXWAY Synchrony Activator Server.

- In Windows Explorer, go to the Activator directory **Activator/bin** and double-click startServer.cmd.

A command window is displayed as the server is starting. Be aware that starting the server the first time will take a few minutes, because the internal database has to initialize.

```

C:\WINDOWS\system32\cmd.exe - startServer.cmd
C:\DEU\Axway\Activator\bin>startServer.cmd
C:\DEU\Axway\Activator\bin>"C:\DEU\Axway\Java\win-x86\jre6\bin\java" -Xms256m
-Xmx256m -Daxway.haboob.heap.initial=Xms256m -Daxway.haboob.heap.maximum=Xmx256m
-Daxway.classpath=..\classes;..\conf;..\corelib\com.axway.cluster.executive-1.3.4.jar
-Daxway.cluster.executive.port=5107 -Daxway.esb.home=C:\DEU\Axway\Activator
-Daxway.interchange.home=C:\DEU\Axway\Activator -Daxway.cluster.logDir=C:\DEU\Axway\Activator\logs
-Daxway.cluster.executive.enabled=false -Dlog4j.configuration= -Daxway.cluster.debugOptions=
-Daxway.cluster.node.logGC= -Daxway.network.machineName=DBZMC36 -Daxway.network.shortName=DBZMC36
-Daxway.network.longName=DBZMC36.de.ad.tmo -Daxway.network.name=DBZMC36 com.axway.cluster.executive.Executive

The Executive has started. Enter "stop" to exit.
Node server: Starting
Node server: Started

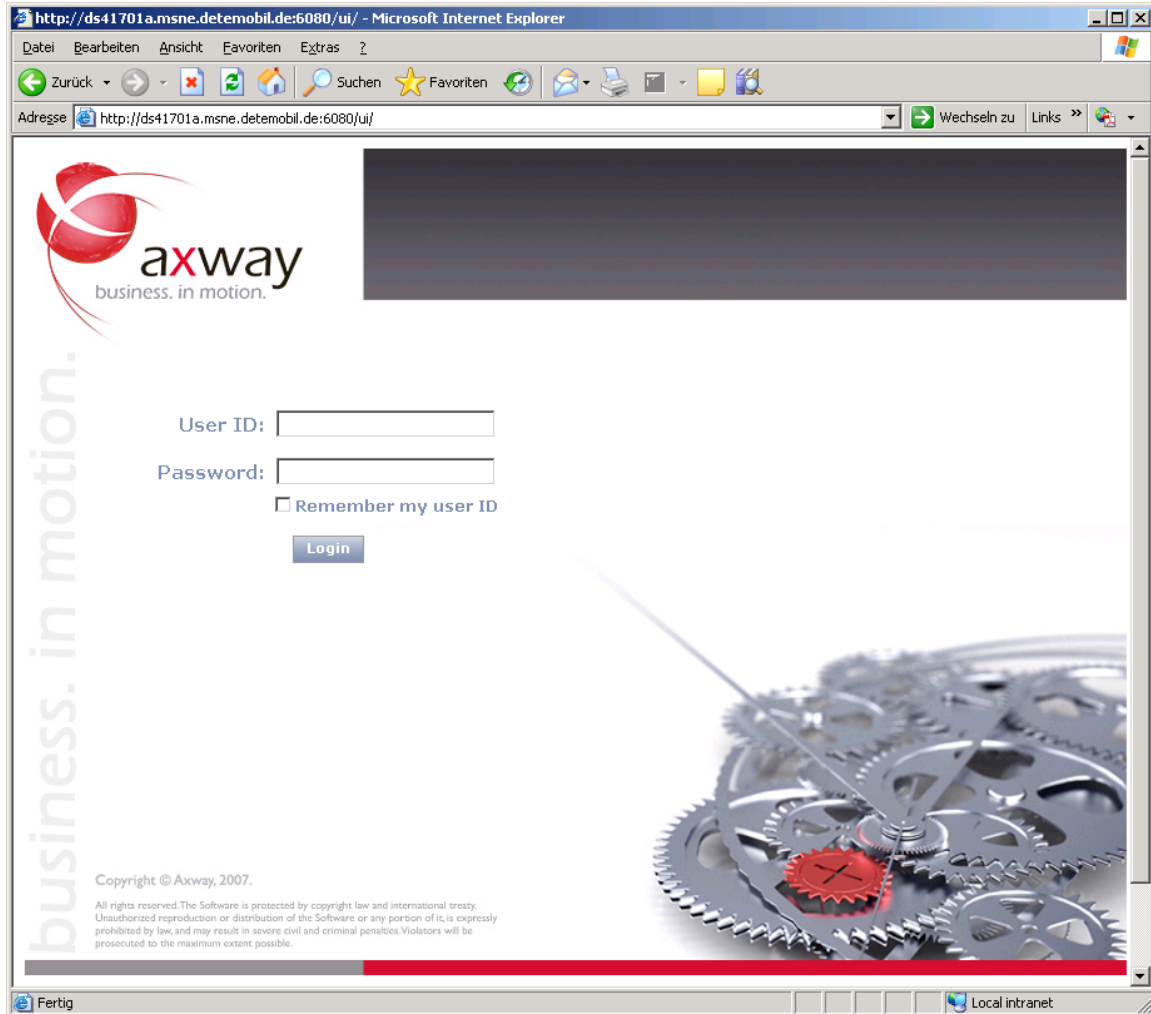
```

The message “**Server Startup Complete**” appears when the server has started. Do not close the window, because this would stop the server.

When you are ready to logon, point your browser to URL:

- <http://localhost:6080/ui>.

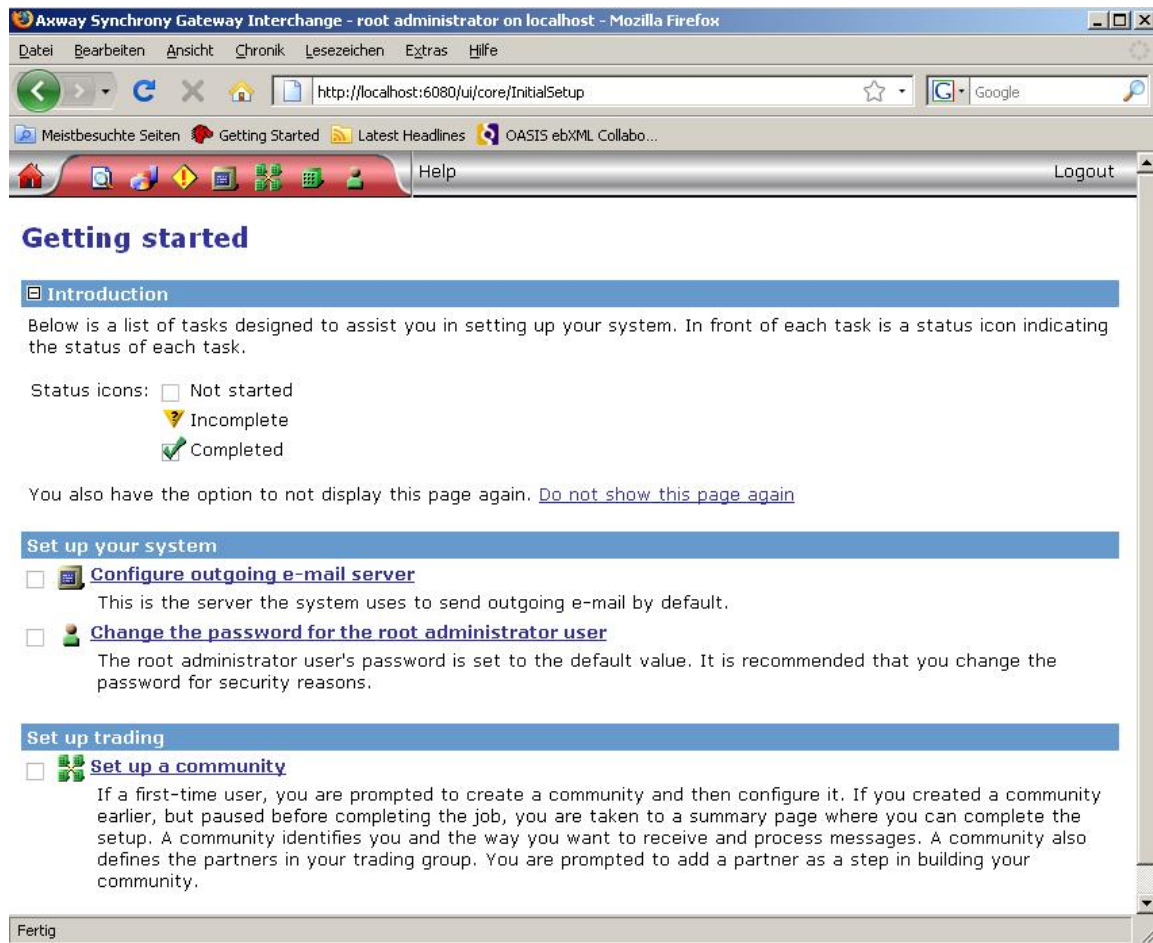
**Localhost** is the variable to use when the browser and Activator are on the same computer. If the browser is on a remote computer, use the fully qualified domain name or IP address of the server rather than localhost.



The User ID is “admin”.

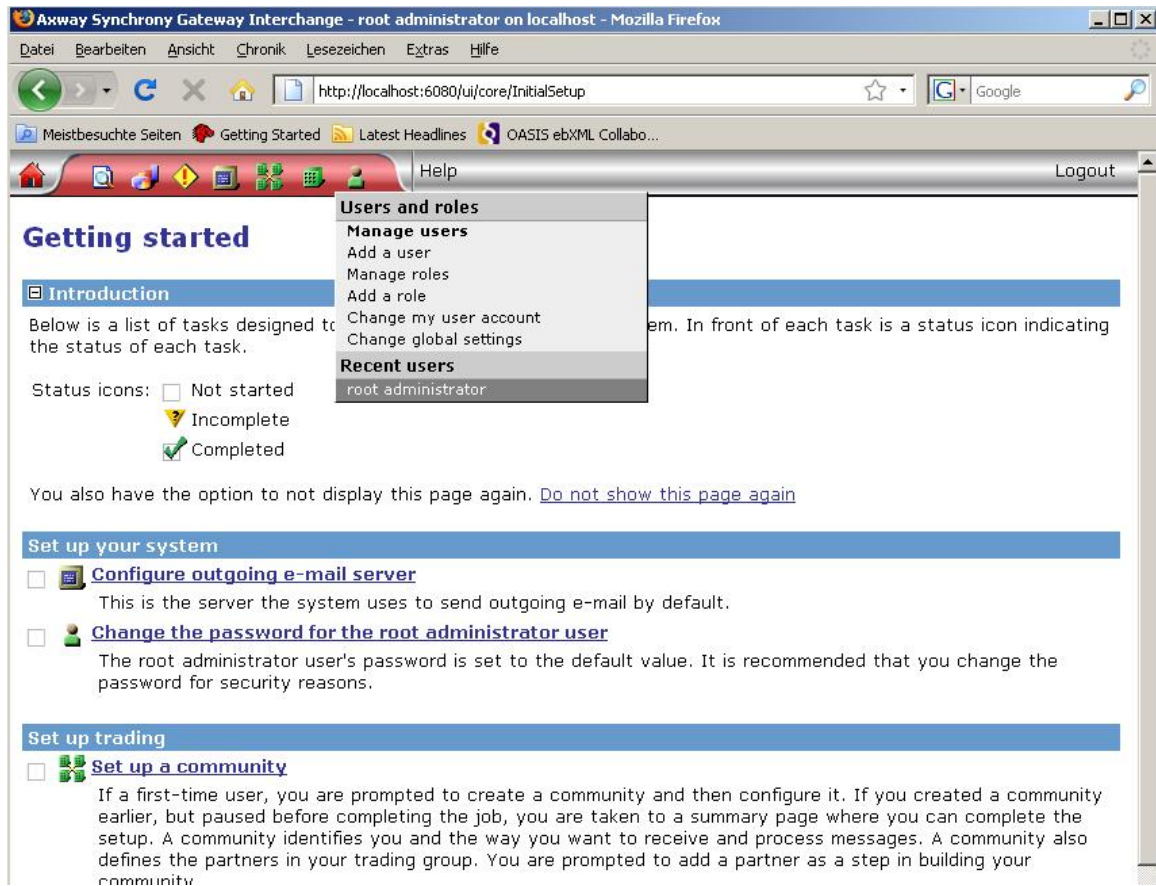
The initial password is “Secret1”.





After login the “Getting Started” page opens.

Before you complete the setup, change some Administrators data like name, Email-Address and the Password for security reasons. Therefore, click on “Recent users->root administrator”.



The following screen will be displayed, where you are able to input the root administrators data.



The screenshot shows a web browser window titled "Axway Synchrony Gateway Interchange - root administrator on localhost - Mozilla Firefox". The address bar shows the URL "http://localhost:6080/ui/core/users/UserModify?userId=admin". The browser's menu bar includes "Datei", "Bearbeiten", "Ansicht", "Chronik", "Lesezeichen", "Extras", and "Hilfe". The toolbar contains various icons, including a home button, a search bar with "Google", and a "Logout" button. The main content area is titled "Change user: root administrator" and features three tabs: "General", "Alternate contact", and "Date/Time". The "General" tab is active, displaying the following information and input fields:

User ID:	admin
Current login:	Sep 8, 2010 02:12:01 PM CEST
Last successful login:	n/a
User name: *	<input type="text" value="root administrator"/>
Email address: *	<input type="text" value="admin@t-mobile.de"/>
Phone number:	<input type="text" value="+49 228 936 31928"/>

Below the form is a "Save changes" button. Underneath, the text "Or pick a task" is followed by a checked checkbox and the link "Change this user's password". At the bottom of the window, a status bar shows the word "Fertig".

After changing name, the Email address and the phone number click on “Change the user’s password”. Change the password and save. Some input for “Alternate contact” is optional.

After saving changes a click on the Red Home icon allows you to go back to the “Complete Initial Setup” page.

**Welcome, root administrator** Current login: Sep 8, 2010 02:12:01 PM CEST

**Tasks**

Title	State
<a href="#">Complete initial setup</a>	
<a href="#">Change password for the admin user</a>	New
<a href="#">There must be at least one Community</a>	New
<a href="#">There must be at least one Partner</a>	New

**Communities**

Trading in the last: 1 hour Update

No statistics have been gathered. Click update to retrieve them.

There are no communities. [Add a community](#)

**Message tracker**

[All messages-last 1 hour](#)  
[All messages-last 2 hours](#)  
[All messages-last 6 hours](#)  
[All messages-last 24 hours](#)  
[Failed messages-last 7 days](#)  
[Negative response-last 7 days](#)

**Quick search**

From:  ...  
Community or partner name, or routing id

To:  ...  
Community or partner name, or routing id

Status: Any ▼

Document ID:

Message ID:

Date: Origination date ▼

☒ Within the last 7 days  
☐ Specify the dates

Fertig

Click on “Complete initial setup” to return to the “Getting Started” Window.

The last step for Initial Setup is the configuration of the global external SMTP server. You should configure a global external SMTP server. The Activator might use this SMTP server for sending alert messages, for example.

**Configure the global external SMTP server**

The system uses this SMTP server as the default for sending e-mail messages. For the server name, type a fully qualified domain name or IP address. SMTP servers normally do not require a user name or password to connect, but check with your e-mail administrator.

If you are a trading engine user, you have the option of using this server or another for sending messages to partners.

Server name: \*

Port: \*

User name:

Password:

Confirm password:

Enter the values:

- Server name: address of your SMTP mail server e.g.: mail.detemobil.de
- Port: SMTP Port e.g.: 25

If a user/password pair is necessary, depends on your SMTP server configuration!

The configuration of a global SMTP server is only necessary for sending alerts emails for monitoring.

**The SMTP server isn't used for the connection to the Telekom ebXML gateway.**

After saving the changes go back by clicking the Red Home icon. The open tasks for the initial setup are listed:

The screenshot shows the Axway Synchrony Gateway Interchange root administrator interface in Mozilla Firefox. The browser address bar shows <http://localhost:6080/ui/core/Homepage>. The page title is "Welcome, root administrator" and the current login time is "Sep 8, 2010 02:12:01 PM CEST".

The interface is divided into several sections:

- Tasks:** A table with two columns: Title and State. The tasks listed are:

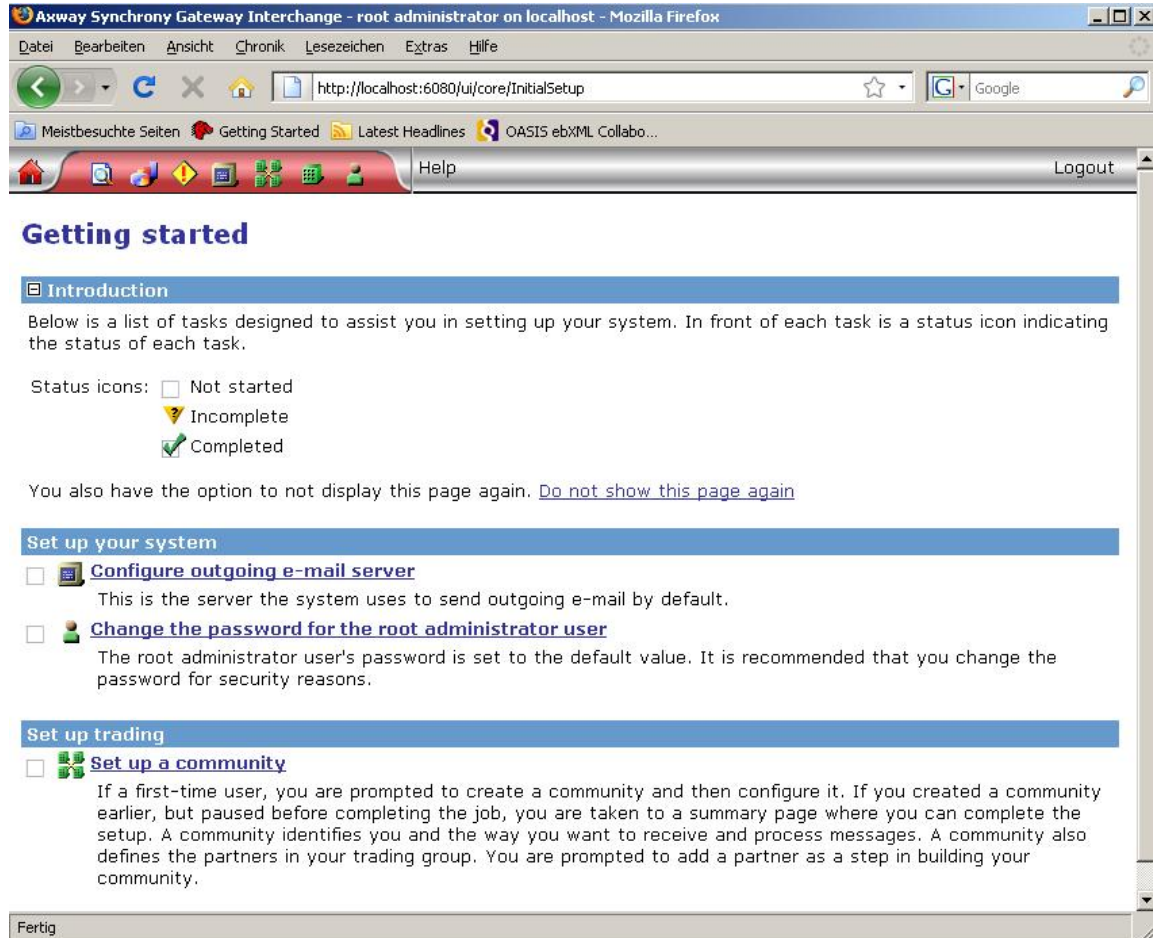
Title	State
<a href="#">Complete initial setup</a>	
<a href="#">Change password for the admin user</a>	New
<a href="#">There must be at least one Community</a>	New
<a href="#">There must be at least one Partner</a>	New
- Communities:** A section with a dropdown menu for "Trading in the last" set to "1 hour" and an "Update" button. Below it, it says "No statistics have been gathered. Click update to retrieve them." and "There are no communities. [Add a community](#)".
- Message tracker:** A section with links for "All messages-last 1 hour", "All messages-last 2 hours", "All messages-last 6 hours", "All messages-last 24 hours", "Failed messages-last 7 days", and "Negative response-last 7 days".
- Quick search:** A section with search criteria: "From:", "To:", "Status:" (set to "Any"), "Document ID:", "Message ID:", and "Date:" (set to "Origination date"). There are also radio buttons for "Within the last 7 days" (selected) and "Specify the dates".

The status bar at the bottom left shows "Fertig".

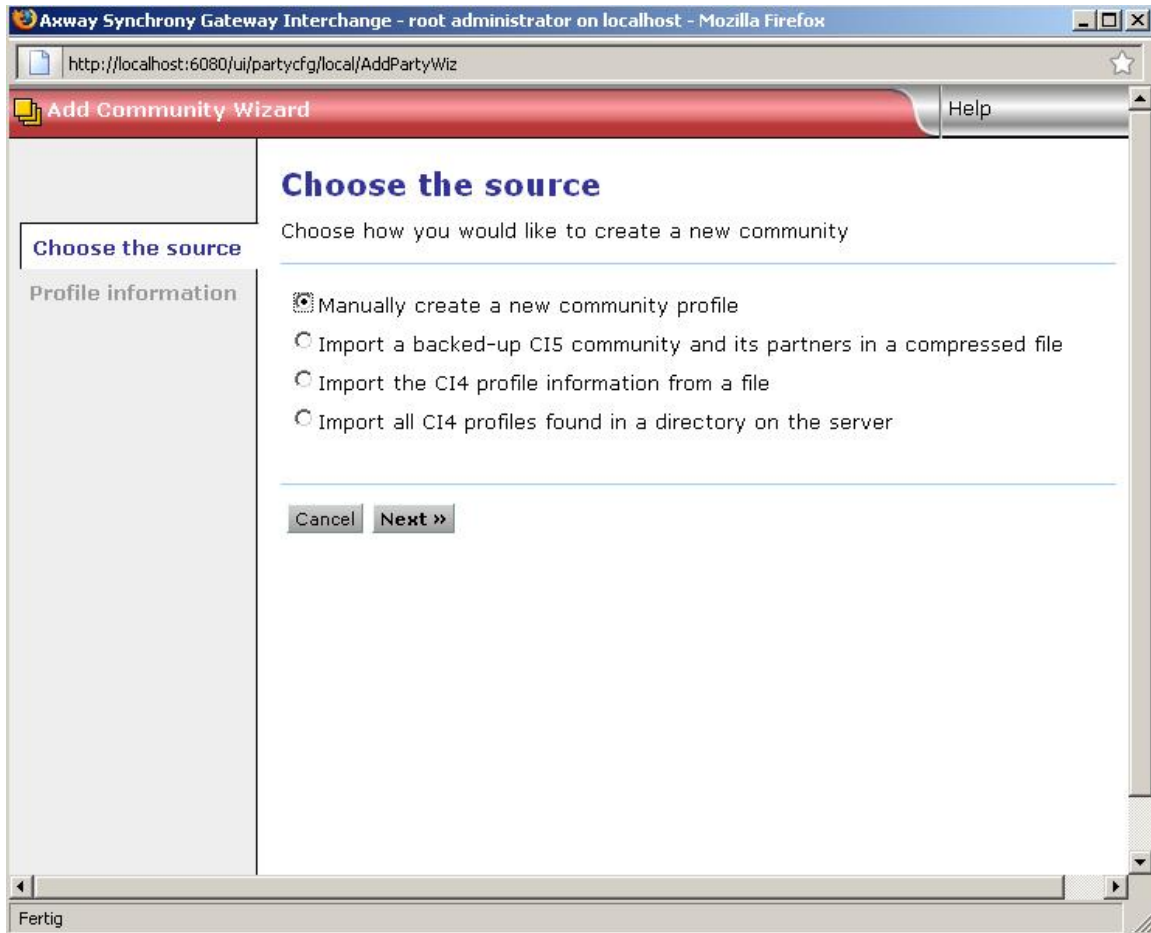
Go to "Complete initial setup"

## 3.2 Create a Community

When the configuration of the root administration data and of the global external SMTP server is finished, you have to set up your trading community.



As the next step, you should setup your community. So, click on “Set up a community” inside the admin console. The “Add Community Wizard” opens. You should create the new community manually by clicking on the corresponding radio button.



The wizard prompts you to provide necessary information about your community. Please, insert the data corresponding to the Default of Telekom as below. The items with red and yellow flags are mandatory!

- Community name: will be given by Telekom ebXML-Team (typically Company name of the customer)
- Routing ID: will be given by Telekom ebXML-Team
- ebXML party ID type: always "string"

Axway Synchrony Gateway Interchange - root administrator on localhost - Mozilla Firefox

http://localhost:6080/ui/partycfg/local/AddPartyWiz

Add Community Wizard Help

**Create a community**

Provide the following information to create a community. Later you can complete the configuration.

Community name: \* Customer Name

Contact name: \* Peter Kunde

Phone number:

E-mail address: \* Peter.Kunde@Kunde-der-tm.de

**Provide a routing ID to use when sending messages.**

Type a unique ID in the routing ID field. For ebXML traders only, enter an ebXML party ID type only if the routing ID you enter is not a URI.

Routing ID: \* RV123

ebXML party ID type: string

**Select whether to add a certificate.**

☒ Yes, launch the wizard to add a certificate

☐ No, if I want a certificate I will add it later

Cancel < Back Finish

Fertig

**The here used values are only examples !!**

Please do not forget to launch the wizard to add a certificate by setting the radio button!

Now you have inserted all necessary company information.

The next step during the initial setup is to create a certificate.

### 3.2.1 Create a Certificate

When you set the radio button “Yes, launch the wizard to add a certificate” the following screen is displayed. This should be the typical way! You can add a certificate later by clicking on the “Certificate” Icon on the Community Screen. The process for adding a certificate is identical for both ways.



Axway Synchrony Gateway Interchange - root administrator on localhost - Mozilla Firefox

http://localhost:6080/ui/partycfg/security/CertAddWiz

**Certificate Wizard** Help

**Enter the certificate information**

Community: *Customer Name*

Please enter the following information for the desired self-signed certificate.

**Select the key type**

☒ Single key certificate  
☐ Dual key certificate

Key length: 1024  
Valid for: 2 Years

Note: The larger the key length you select, the longer the certificate generation process will take. Large key lengths could cause the generation to take several minutes.

Cancel < Back Next >

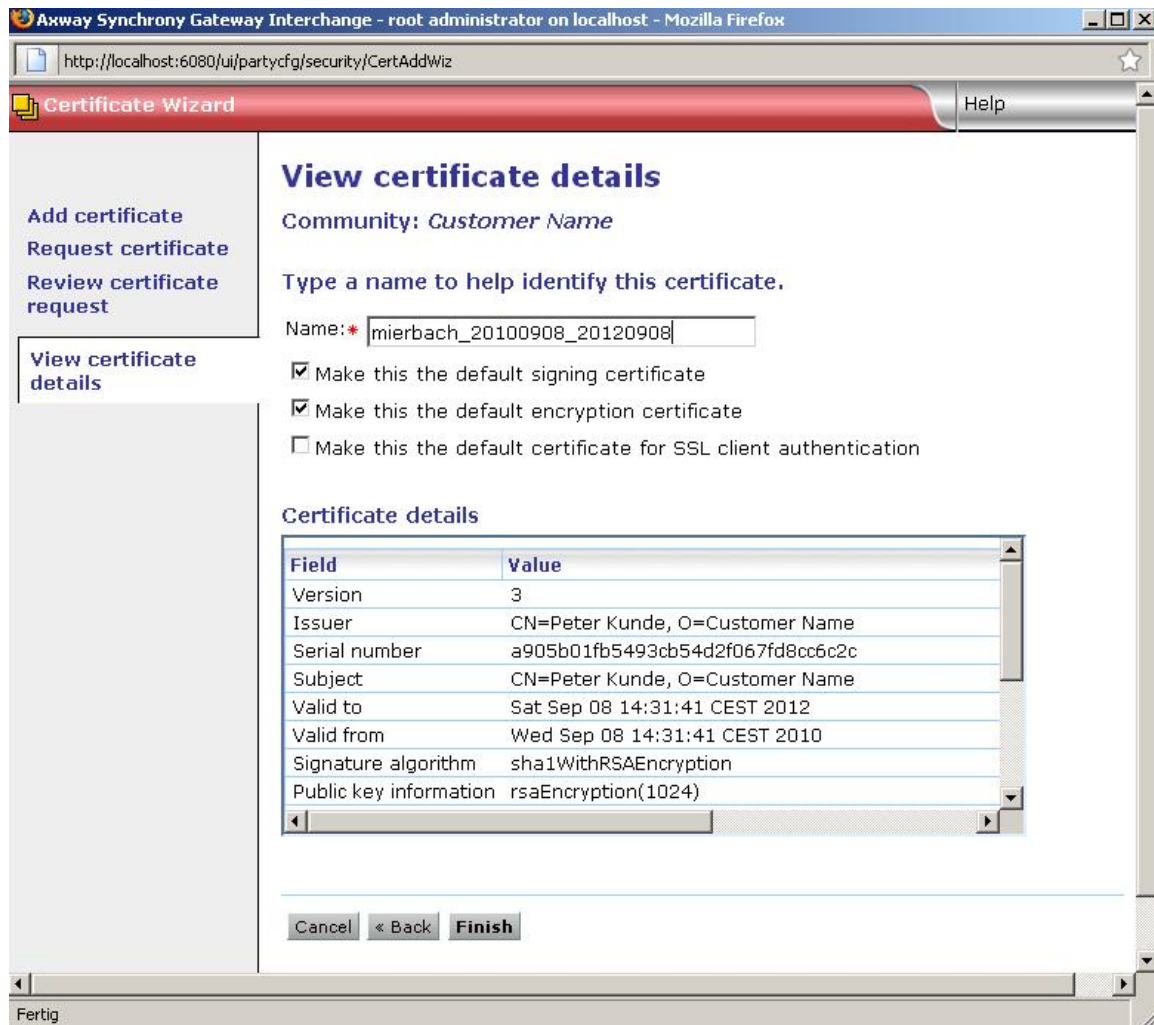
Fertig

Just follow the prompts in the Certificate Wizard. The following selections need to be done:

- Create a self-signed certificate
- Single key certificate with
- Key length **2048 bit**
- Valid for 2 years.

After this step, you have to review your choices and the certificate details are presented.





Telekom recommends to use the following schema for the name of the certificate:

- <your RoutingID>\_<valid from>\_<valid to> >

Ensure that this certificate is default for signing and encryption but not for SSL client authentication. When you press the Finish-Button the Community-Screen is shown.

Now your community has been created, but you must complete the set up before you can trade messages.

To complete the set up of your community you have to perform the following tasks:

- Add a Delivery exchange for sending messages to your partner and receiving messages from your partner

- Add an Integration delivery for delivering received messages
- Add an Integration pickup for picking up messages which should be sent to your partner
- Add (at least) one trading partner.

### 3.2.2 Exchange for Picking up Documents

You have to define how the documents you want to send to Telekom are picked up by your Activator System. You have various options for how to integrate your backend system, including file system based and JMS. They are described in detail in the chapter “Delivery exchanges” of the AXWAY Synchrony Activator Administrators Guide. One of these possibilities, file system integration, is described in this section.

The tasks listed above are shown when you click the Red Home icon in the upper left corner of the user interface. If you select “Set up a delivery Exchange for picking up messages from integration” you first see the “From address” screen:

The screenshot shows a web browser window titled "Axway Synchrony Gateway Interchange - root administrator on localhost - Mozilla Firefox". The address bar shows the URL: `http://localhost:6080/ui/partycfg/integration/DeliveryExchangeWiz?isConsumer=true&isIntegration=true`. The page has a red header bar with "Delivery Exchange Wizard" and a "Help" button. On the left, there is a sidebar with a tree view containing "From address" (selected), "To address", "Choose transport protocol", "Enter transport settings", and "Name the delivery exchange". The main content area is titled "From address" and "Delivery exchange for picking up messages from integration". It includes the instruction: "Use these settings to configure how the system determines who is sending the message." There are two radio button options:
 

- ☒ Always parse for the address. Regardless whether the message protocol provides the address, always parse the document for the address.
- ☐ Specify the address. Always use a fixed address.

 Under the first option, there are three checkboxes:
 

- ☒ If the document is EDI, parse for the address
- ☐ If the document is XML, use XPath to locate the address

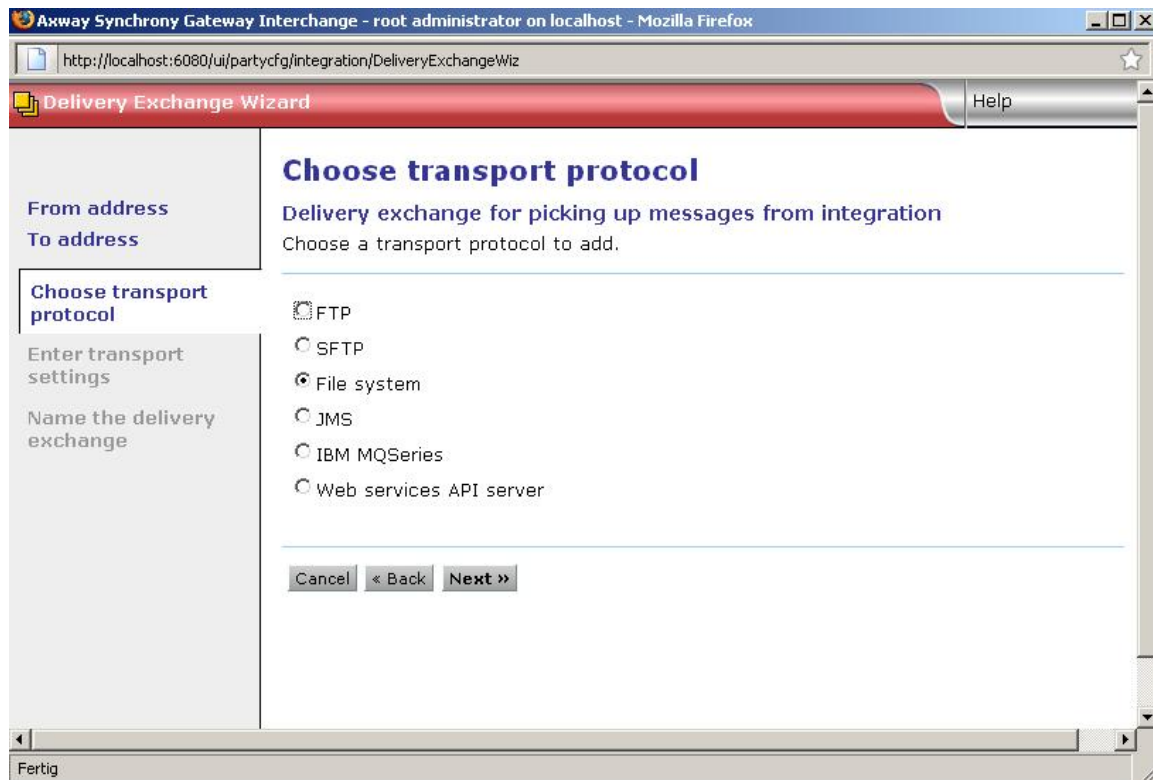
 Below these is a "Document type:" dropdown menu with the text "Select a document type". A note below the dropdown states: "Note: Selecting a document type is only for use in filling in a sample xpath below." There are three "From XPath:" input fields, each with an "XPath..." button to its right. At the bottom of the main area, there are "Cancel" and "Next >>" buttons. The status bar at the very bottom of the browser window shows the word "Fertig".

Just affirm the default settings and click the next button.

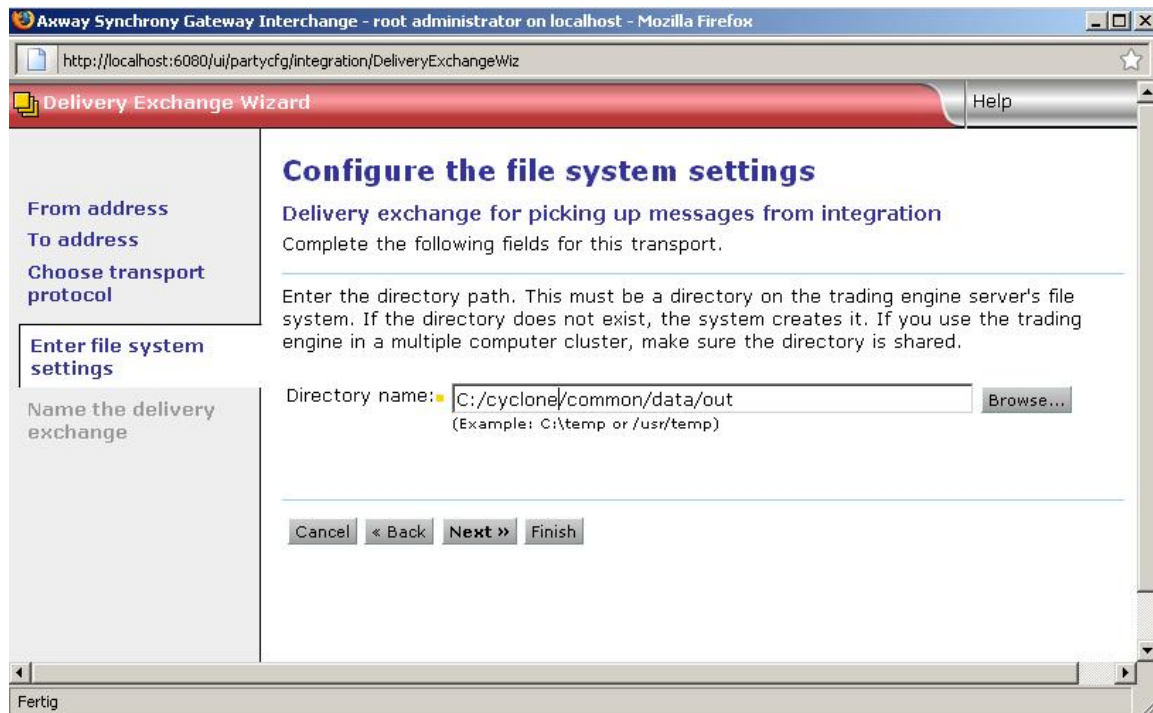
The “To address” screen opens:

The screenshot shows a web browser window titled "Axway Synchrony Gateway Interchange - root administrator on localhost - Mozilla Firefox". The address bar shows "http://localhost:6080/ui/partycfg/integration/DeliveryExchangeWiz". The page has a red header bar with "Delivery Exchange Wizard" and a "Help" button. On the left is a sidebar with a tree view containing "From address", "To address" (selected), "Choose transport protocol", "Enter transport settings", and "Name the delivery exchange". The main content area is titled "To address" and contains the following text: "Delivery exchange for picking up messages from integration" and "Use these settings to configure how the system determines to whom the message is being sent." Below this are two radio button options: "Always parse for the address. Regardless whether the message protocol provides the address, always parse the document for the address." (selected) and "If the document is XML, use XPath to locate the address". Under the selected option are three checkboxes: "If the document is EDI, parse for the address" (checked), "If the document is XML, use XPath to locate the address" (unchecked), and "Specify the address. Always use a fixed address." (unchecked). The "If the document is XML..." checkbox is followed by a "Document type:" dropdown menu with "Select a document type" and a note: "Note: Selecting a document type is only for use in filling in a sample xpath below." Below this are three "To XPath:" input fields, each with an "XPath..." button. The "Specify the address..." option has a "To:" input field and a "Pick party..." button. At the bottom are "Cancel", "« Back", and "Next »" buttons. The status bar at the very bottom says "Fertig".

Again affirm the default settings. Next the transport protocol has to be defined. We assume that you want to use “File System” integration.



Clicking on the next button will lead you to the “Configure the file system setting”.



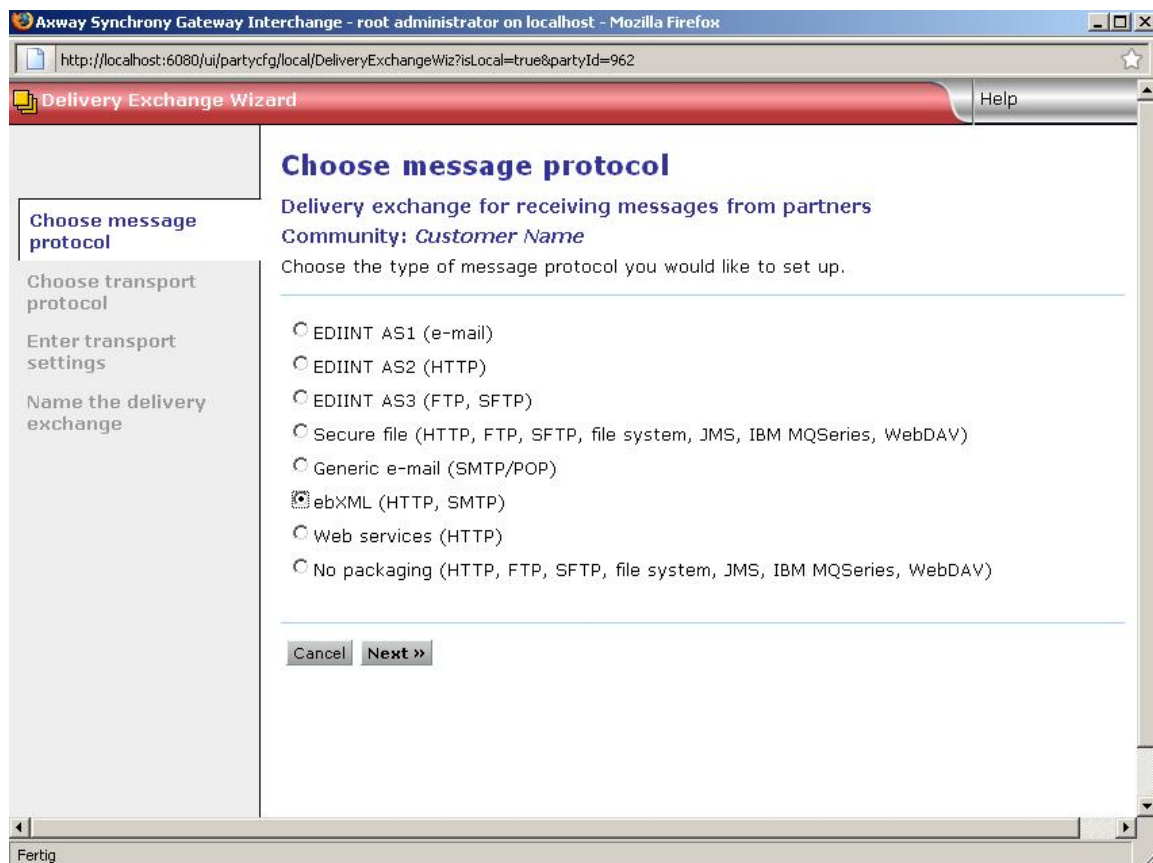
Here, you have to decide in which directory path the files need to be stored, before they are transferred to Telekom. Telekom recommends the directory name “common/data/out” under the Activator installation directory.

Once you have finished “Delivering Exchange to picking up”, you will return to the Community Screen automatically.

## 3.3 Setting up Your Delivery Exchange

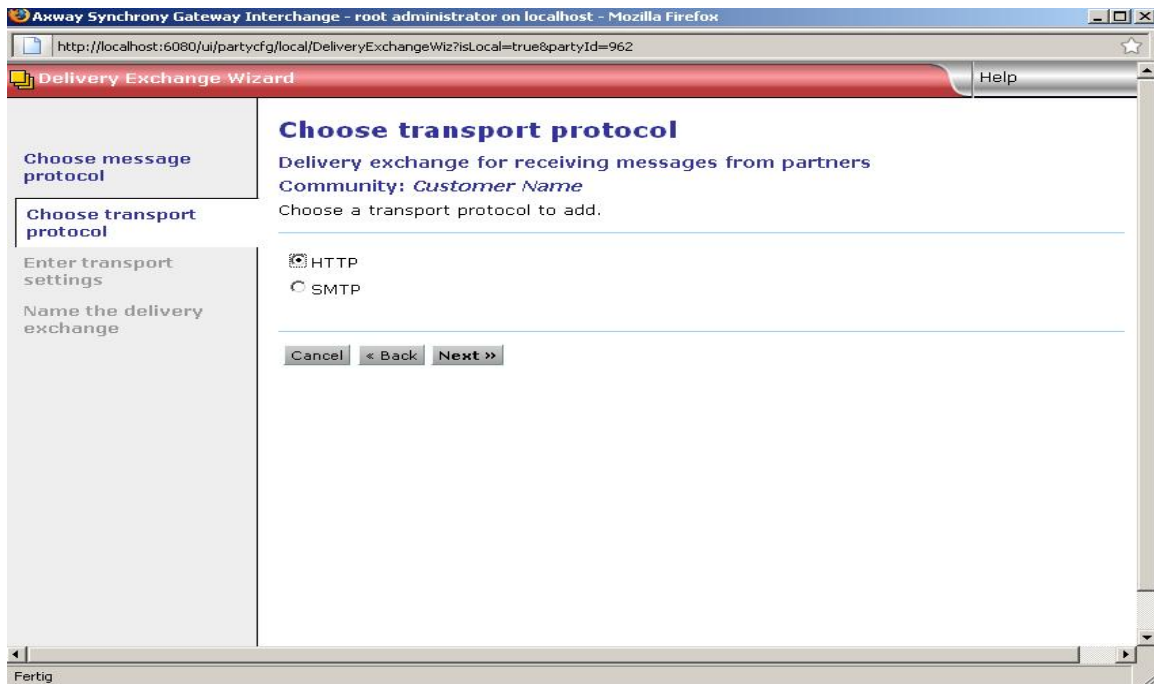
To set up a delivery exchange, select your community from the Trading configuration main menu, and select Set up a Delivery Exchange for receiving messages from partner on the list of open tasks.

You will see a page like this:



Select **ebXML** as message protocol. Telekom decided to use ebXML to communicate with partners.

On the next page you have to select **HTTP** as transport protocol:



### 3.3.1 Using HTTPS

If you have chosen to use HTTPS as transport protocol, you will see the following page to choose the HTTP transport type:

Axway Synchrony Gateway Interchange - root administrator on localhost - Mozilla Firefox

http://localhost:6080/ui/partycfg/local/DeliveryExchangeWiz

Delivery Exchange Wizard Help

**Choose message protocol**  
**Choose transport protocol**  
**Choose HTTP transport type**

Enter HTTP URL  
Name the delivery exchange

**Choose HTTP transport type**

Delivery exchange for receiving messages from partners  
Community: *Customer Name*  
Choose the type of HTTP transport.

☐ Use the system's global embedded HTTP server  
☐ Use staged HTTP web servlet  
☒ Define a new embedded HTTP or HTTPS server

Cancel < Back Next >

Fertig

Select the last item **Define a new embedded HTTP or HTTPS server**.



On the next page

Axway Synchrony Gateway Interchange - root administrator on localhost - Mozilla Firefox

http://localhost:6080/ui/partycfg/local/DeliveryExchangeWiz

Delivery Exchange Wizard Help

Choose message protocol  
Choose transport protocol  
Choose HTTP transport type  
Enter HTTP server settings  
Enter HTTP URL  
Name the delivery exchange

### Configure the HTTP server

Delivery exchange for receiving messages from partners  
Community: *Customer Name*  
Complete the following fields for this transport server

Server name: \* Embedded HTTPS Server  
(Example: My Server)

Port: \* 4443

☒ Clients must use SSL to connect to this server  
Note: You must add a certificate for this server after completing this wizard

☐ This server requires client authentication. The partner must present an authentication certificate trusted by the server when connecting.

Cancel < Back Next >

Fertig

1. choose some name for your embedded HTTPS server (just helps to identify this delivery exchange if you will define more than one),
2. choose a port for your HTTPS server. 443 is the standard port HTTPS, but if you install on a UNIX system it might be a good idea to choose a port number greater than 1024 to allow other users than the super user to start your system. In any case, make sure that the port number you chose is not used by any other application on your system.
3. Select **“Clients must use SSL to connect to this server”** and **deselect “This server requires client-side certificate authentication”**.



On the next page you may select another last component for the URL of the Communication Endpoint used by the just defined server. With this URL your communication partner (the Telekom) will contact your site. This URL will become part of the Collaboration Protocol Agreement (CPA) providing the basis for the communication, and you should provide this information to Telekom for building the CPA.

Axway Synchrony Gateway Interchange - root administrator on localhost - Mozilla Firefox

http://localhost:6080/ui/partycfg/local/DeliveryExchangeWiz

**Delivery Exchange Wizard** Help

**Configure URL**

Delivery exchange for receiving messages from partners

Community: *Customer Name*

Enter the last component of the path that partners will use to send messages to this server. A good choice for this value would be one of the community's routing IDs, and the default routing ID has been supplied as a suggestion.

URL: \* https://DBNME5F:4443/exchange/

Cancel < Back **Next >** Finish

Enter HTTP URL

Name the delivery exchange

Fertig

What needs to be done next is to provide a certificate which is used as SSL server certificate. Usually we suggest to use the same certificate for this purpose as for signing messages, your community certificate created as described in section 3.2.1. Therefore it is necessary to export this certificate first. You can do so by selecting the **Certificates** item in your community navigation graphic. The community navigation graphic (the upper part of the next picture) for your community is always shown if you select your community in the **Trading configuration** main menu.

If you select **Certificates** you will see a page like this:

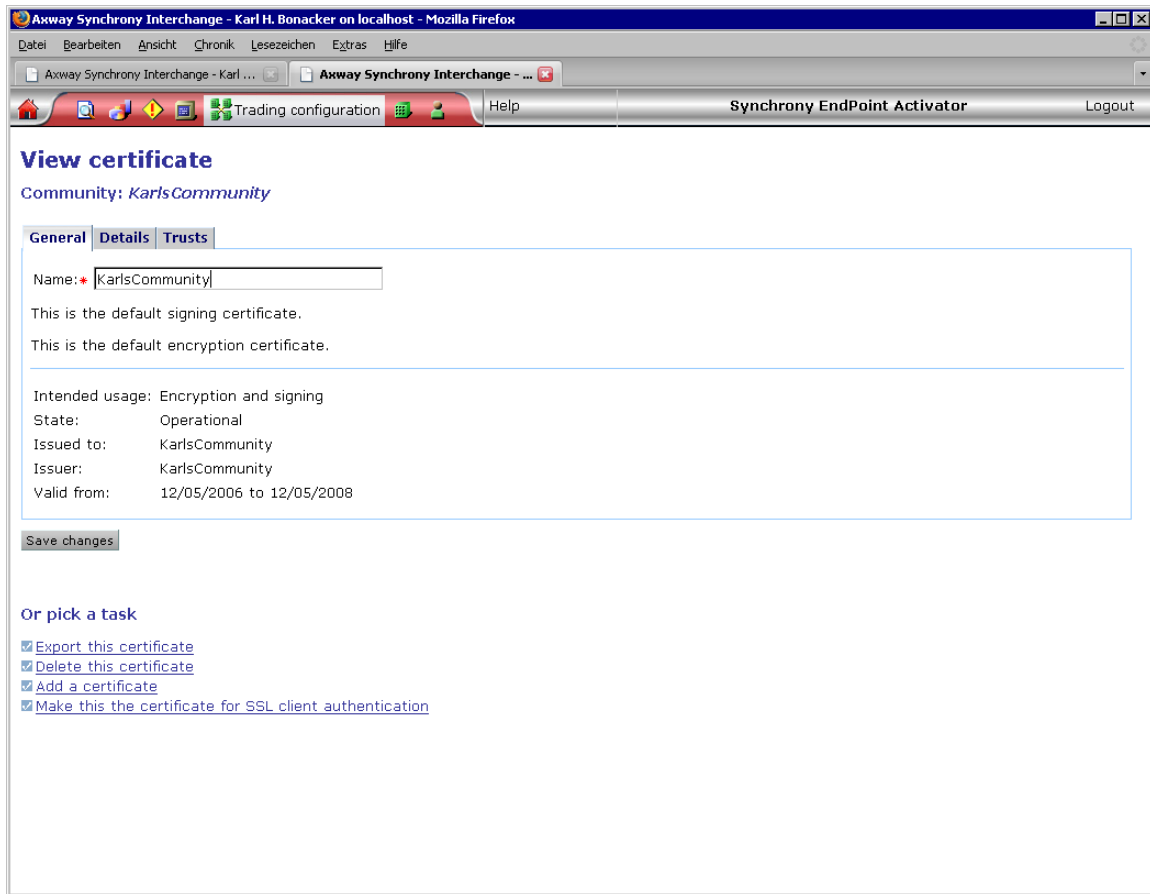
The screenshot shows the Axway Synchrony Interchange web interface in Mozilla Firefox. The main menu includes 'Trading configuration', 'Help', 'Synchrony EndPoint Activator', and 'Logout'. A navigation graphic on the left shows a flow from 'Integration delivery' to 'Message handler' to 'Message validation' to 'Pickup' to 'Delivery exchange' to 'Trading partners'. The 'Certificates' tab is selected, showing the 'Pick a certificate' page for the 'KarlsCommunity' community. The page has three tabs: 'Personal certificates', 'Trusted root certificates', and 'Trusted SSL root certificates'. Under 'Personal certificates', there are dropdown menus for 'Default signing certificate is:', 'Default encryption certificate is:', and 'Default certificate for SSL client authentication is:'. Below these is a 'Save changes' button. A table lists the community's certificates:

Name	Subject name	State	Usage	Expiration date	
<a href="#">KarlsCommunity</a>	KarlsCommunity	Operational	Encryption and signing	Dez 5, 2008 05:17:35 PM CET	<a href="#">Delete</a>

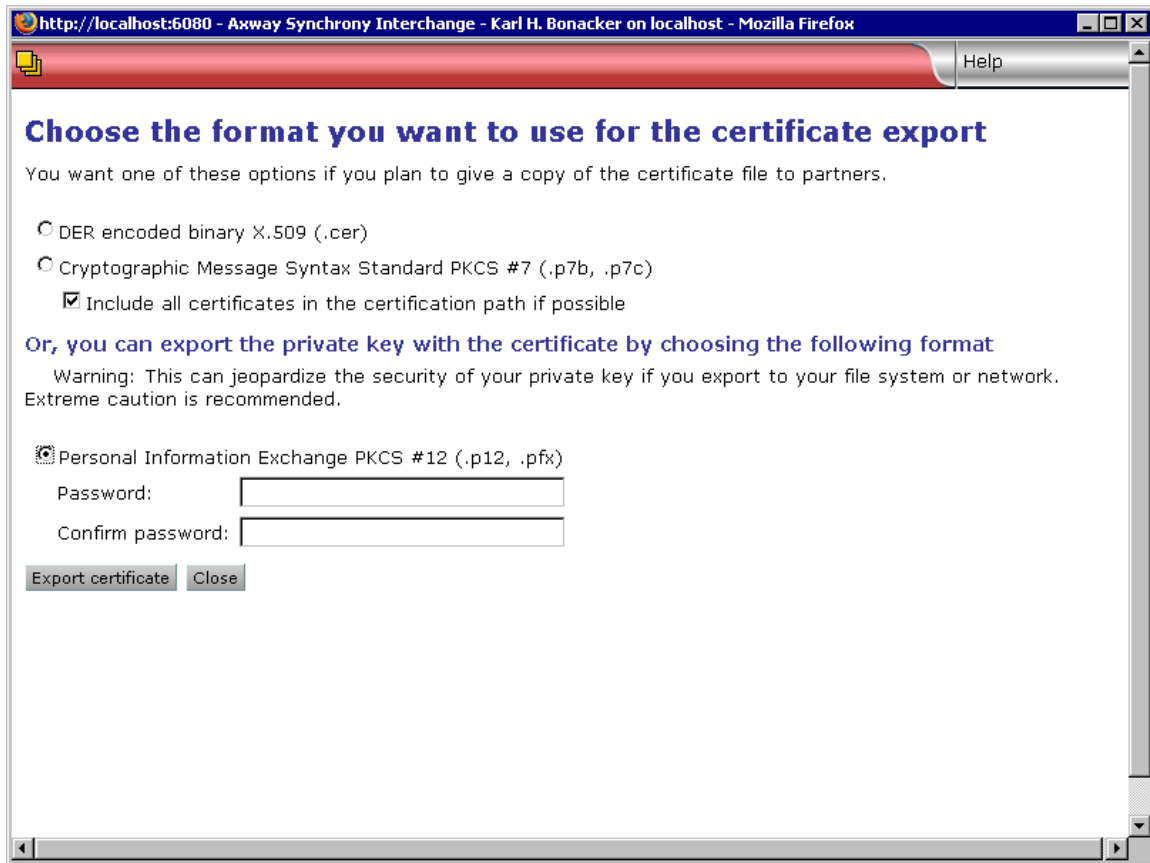
Below the table, there is a section 'Or pick a task' with four links: 'Add a certificate', 'Add a trusted root certificate', 'Add a trusted root certificate for SSL servers', and 'Delete this community'.

Click on the Name of your community (**KarlsCommunity** in the example above).

On the next page select **Export this certificate**.



Choose PKCS #12 (.p12) as format for the file. You may protect the export file by password, but you need not.



Export the certificate, choose a location for the export file.

Now you can configure this certificate to be used as SSL server certificate. On the summary page of your community (which you see if you select your community from the **Trading configuration** main menu) you will see the task **Complete the Embedded HTTPS transport for message protocol 'ebXML'**.

**Axway Synchrony Interchange - Karl H. Bonacker on localhost - Mozilla Firefox**

Trading configuration Help Synchrony EndPoint Activator Logout

**Summary: KarlsCommunity**

Contact name: Karl Heinz Bonacker  
E-mail address: [Karl-Heinz.bonacker@external.t.mobile.de](mailto:Karl-Heinz.bonacker@external.t.mobile.de)

**Trading summary** Trading configuration

Trading statistics for the last 1 hour Update

No statistics have been gathered. click update to retrieve them.

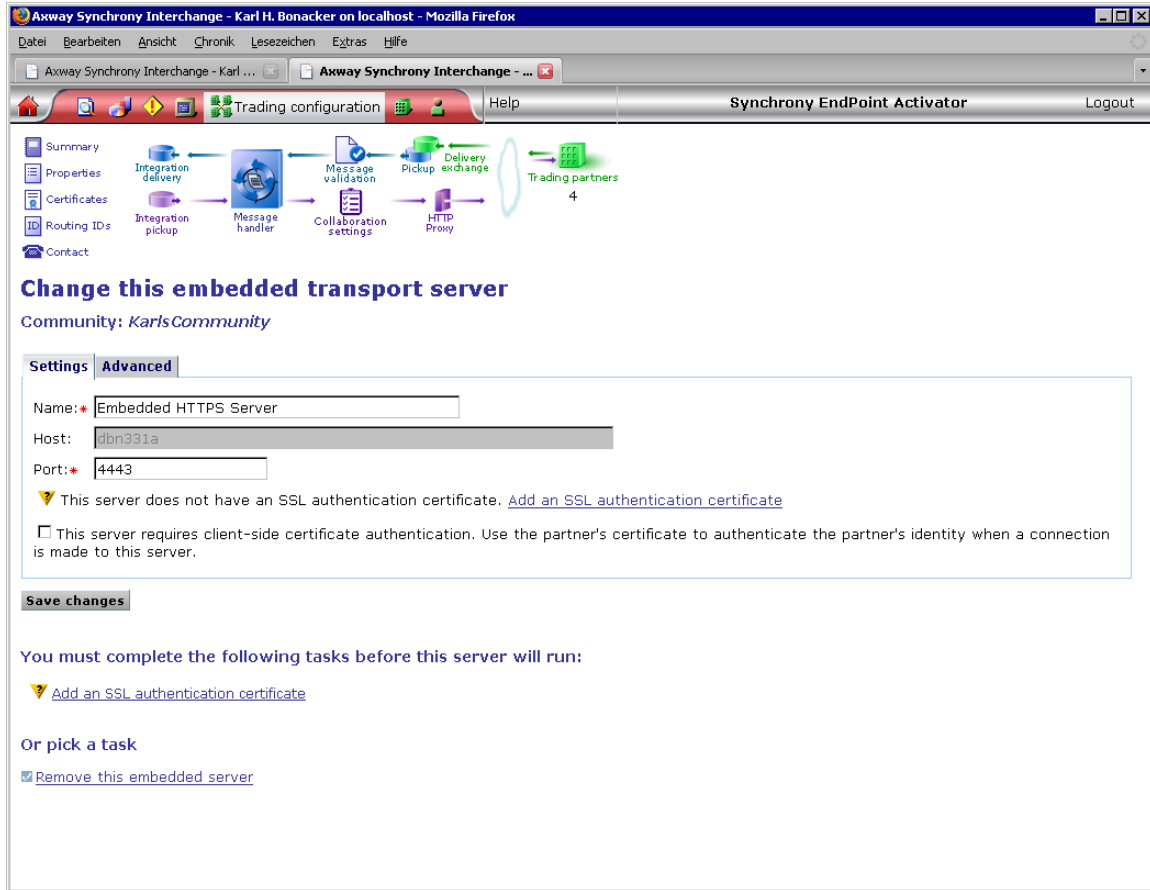
**You must complete the following tasks before this community can trade:**

▼ Complete the Embedded HTTPS transport for message protocol 'ebXML'

**Or pick a task**

- ☒ Add a partner to this community
- ☒ Show collaboration settings
- ☒ Change an embedded transport server
- ☒ Enable all pickup exchanges for receiving partner messages
- ☒ Disable all pickup exchanges for receiving partner messages
- ☒ Add default integration exchanges
- ☒ Delete this community
- ☒ Export this community's profile
- ☒ Manage CPAs

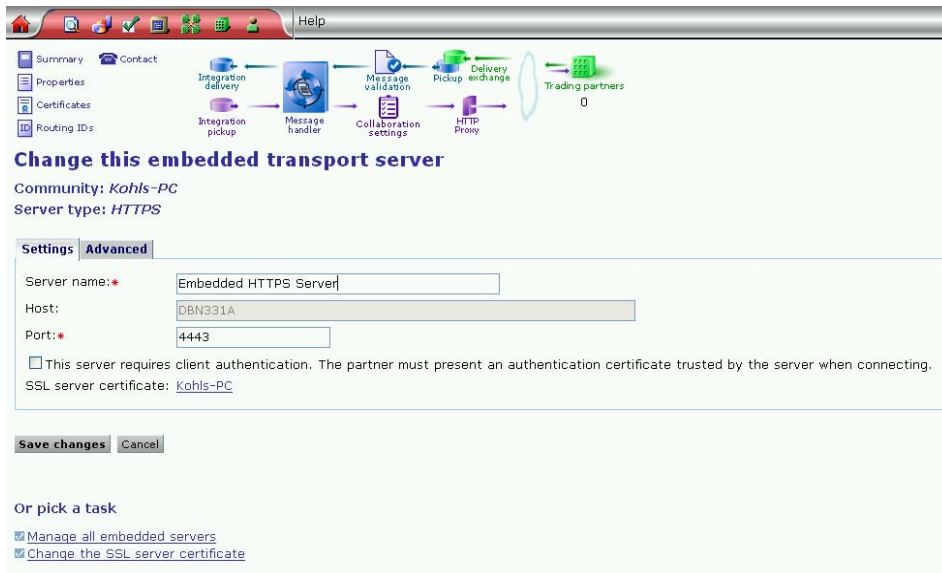
Click that and you will see the following page:



Select **Add an SSL authentication certificate**, and select **Import a certificate and private key from the file** in the following dialogue:

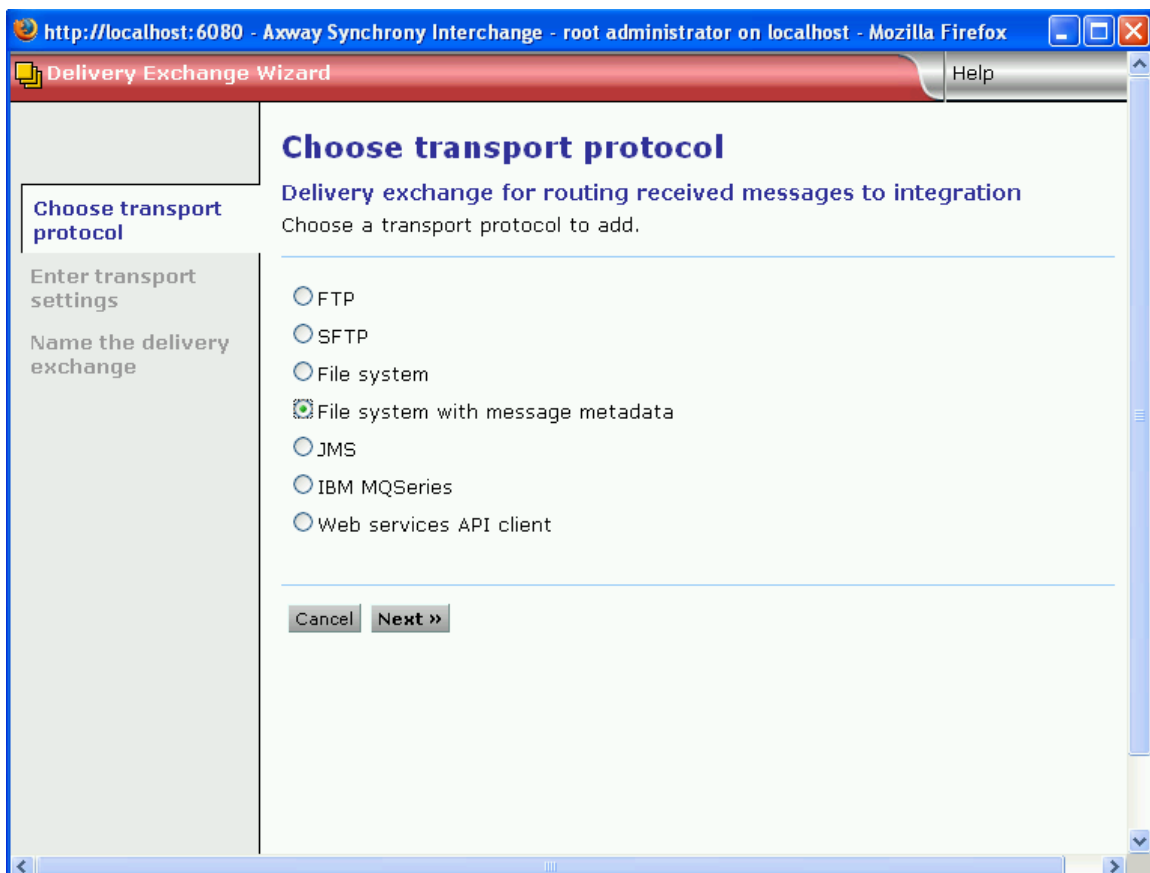


Then import the file with your community certificate which has been created as described above. You will need to provide a password only if you have protected your file by password during the export.

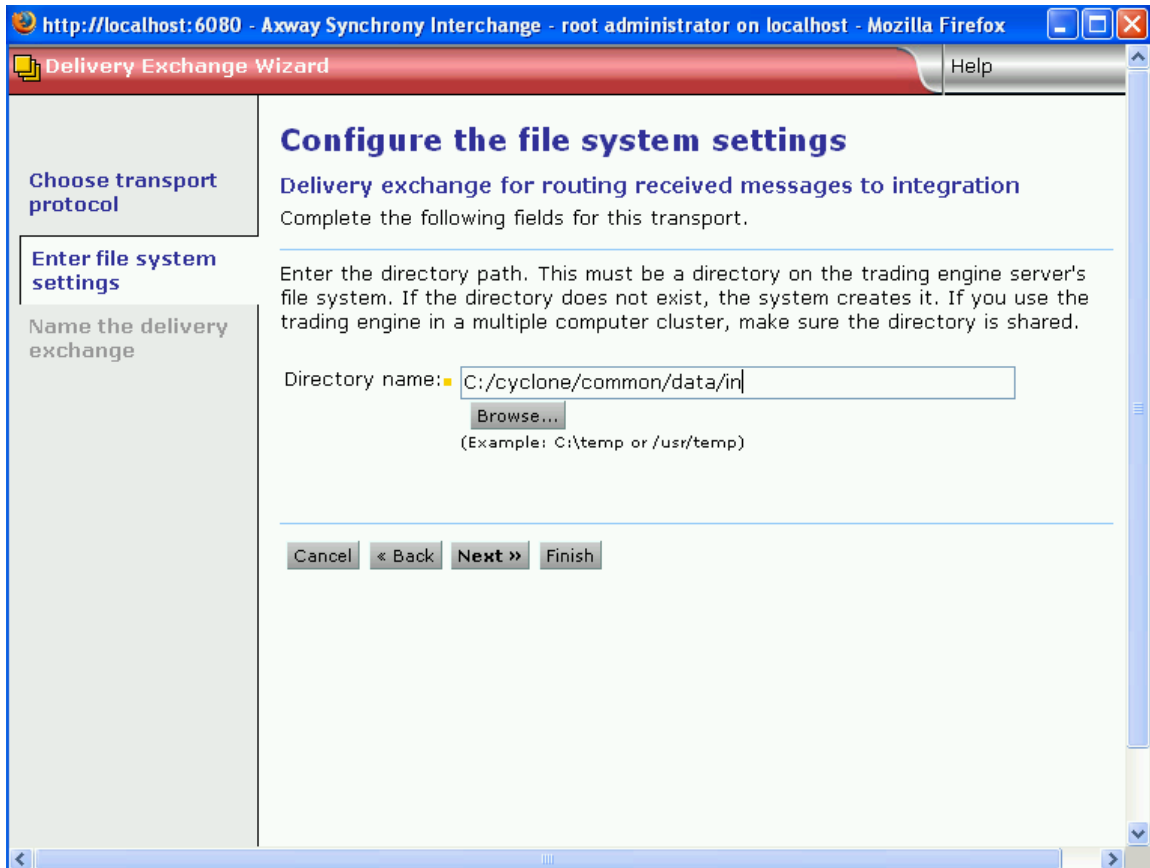


## 3.4 Integration delivery

The last step is the configuration for routing received messages to integration.



Please affirm “File system with message metadata”. The files will be stored in the directory defined in the following screen:



Telekom suggests the directory “common/data/in” under the installation directory.

Besides the last issue “Add a trading partner” the Community is ready!

## 4 Complete Setup, Install a CPA

To complete the configuration you have to add the Telekom trading partner. Adding the trading partner will be executed by importing a “CPA” (Collaboration Protocol Agreement). This CPA will be built by Telekom.



## 4.1 Data to send to Telekom

To enable Telekom to build the CPA, some information about your site is necessary. Please send the following information to Telekom:

- **Your Community Name**
- **Your Routing Id**
- **Your Certificate**
- **Your Communication Endpoint**

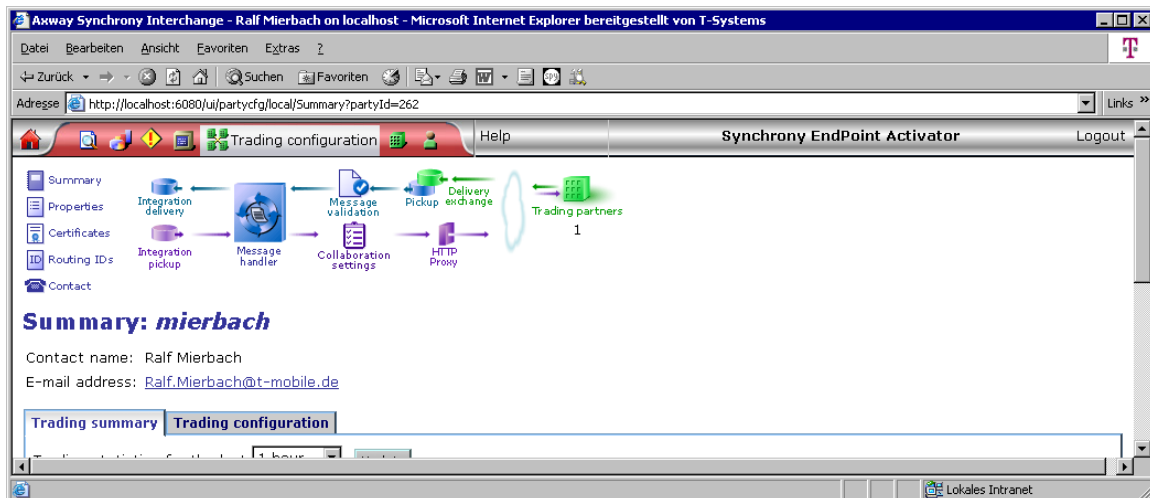
You have chosen your Community Name and your Routing Id when you have set up your community. Your Communication Endpoint is what is shown as 'Location' in the list of your Delivery exchanges.

In the next chapter it is described how to extract your certificate.

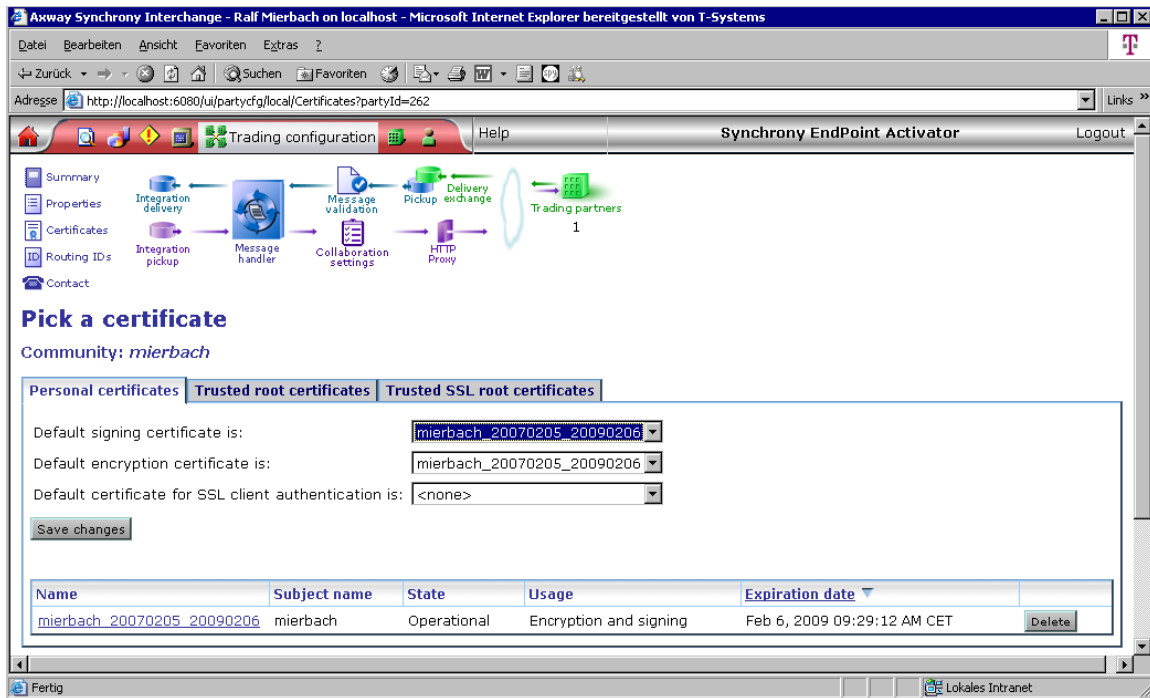
## 4.2 Export Certificate

Use this procedure to export your community certificate to a file.

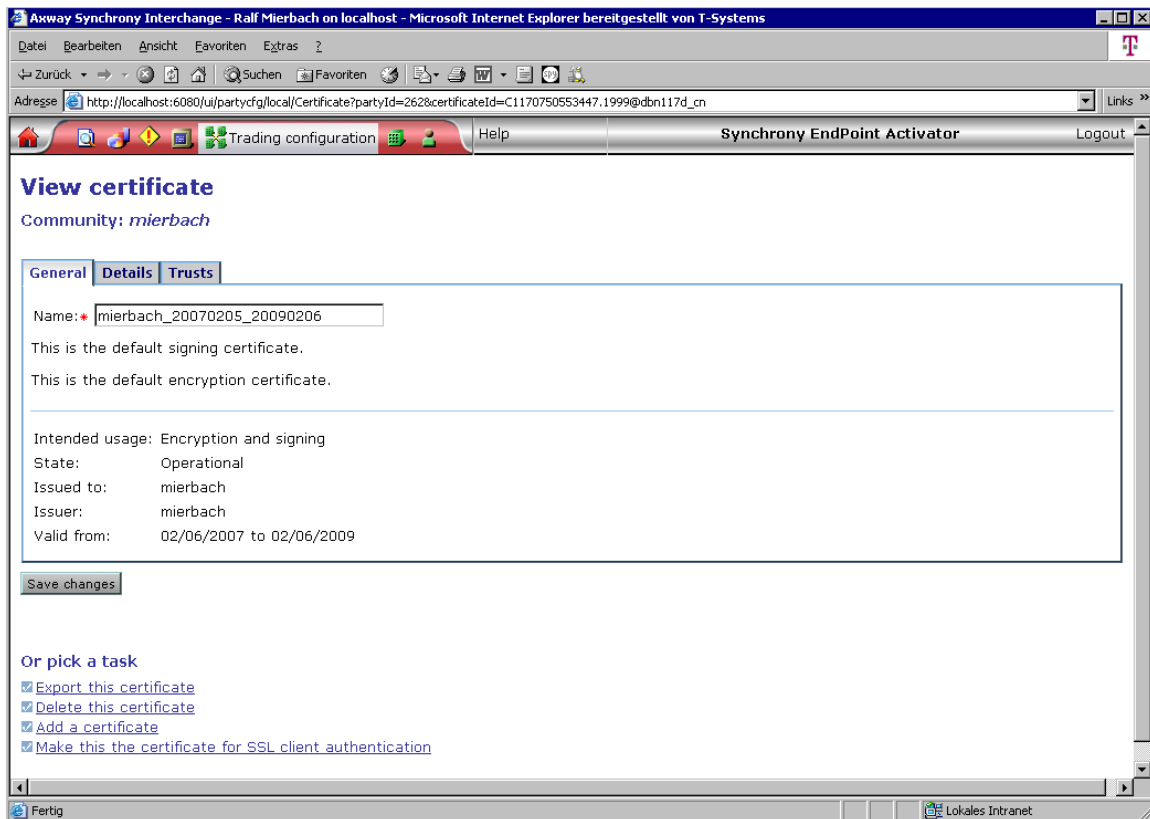
In your community area of the user interface, go to the summary page.



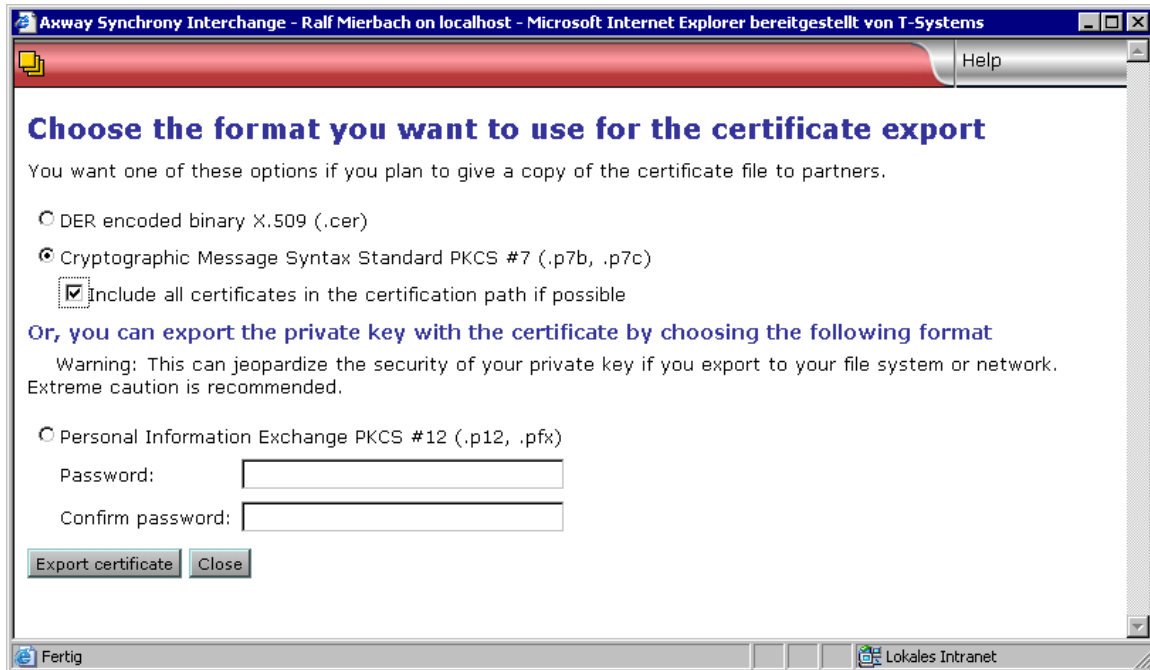
Click Certificates on the community navigation graphic on the top of the summary page.



Click on the name of the certificate to open the certificate information page.



Click Export this certificate to open the certificate export page.



Select the export option “Cryptographic Message Syntax Standard PKCS #7 (.p7b, .p7c)” and activate the checkbox “Include all certificates in the certification path if possible”.

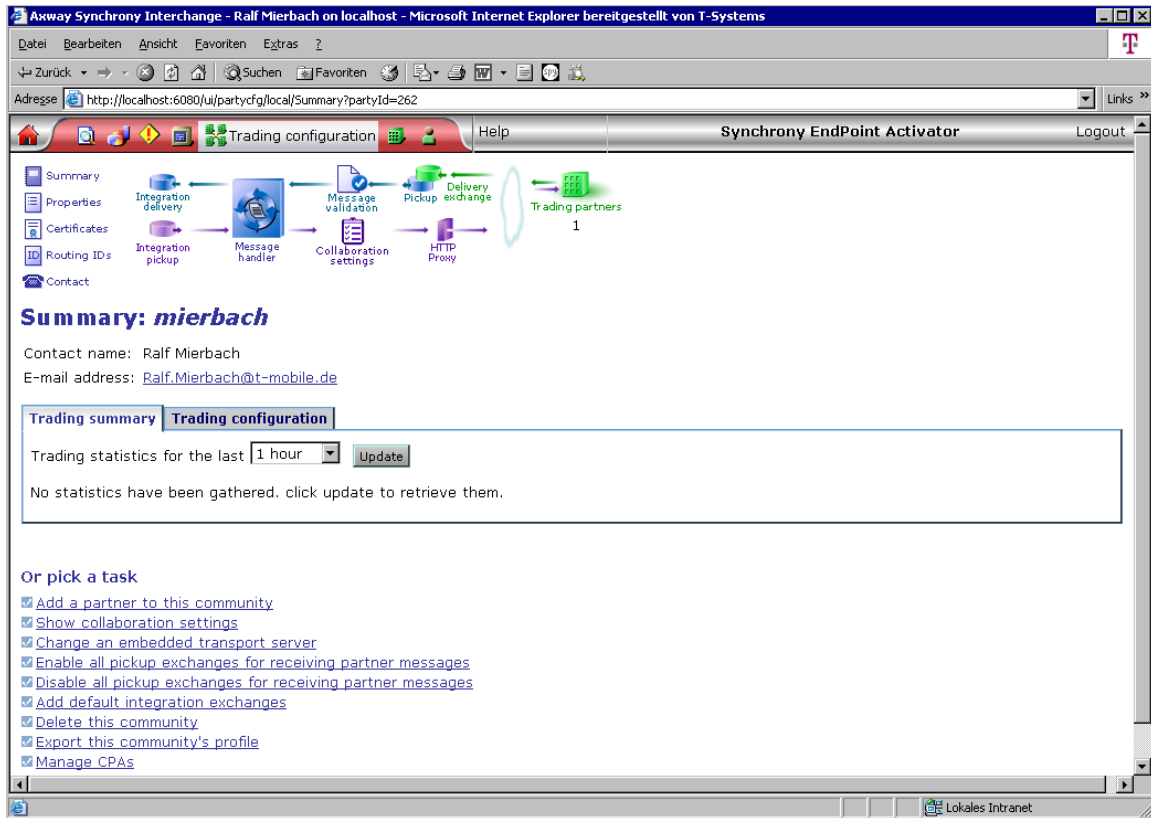
Click Export certificate to save the certificate in a file.

Please send this file together with your community name, your Routing Id and your communication endpoint to your contact at Telekom, so that the CPA-XML-document can be created.

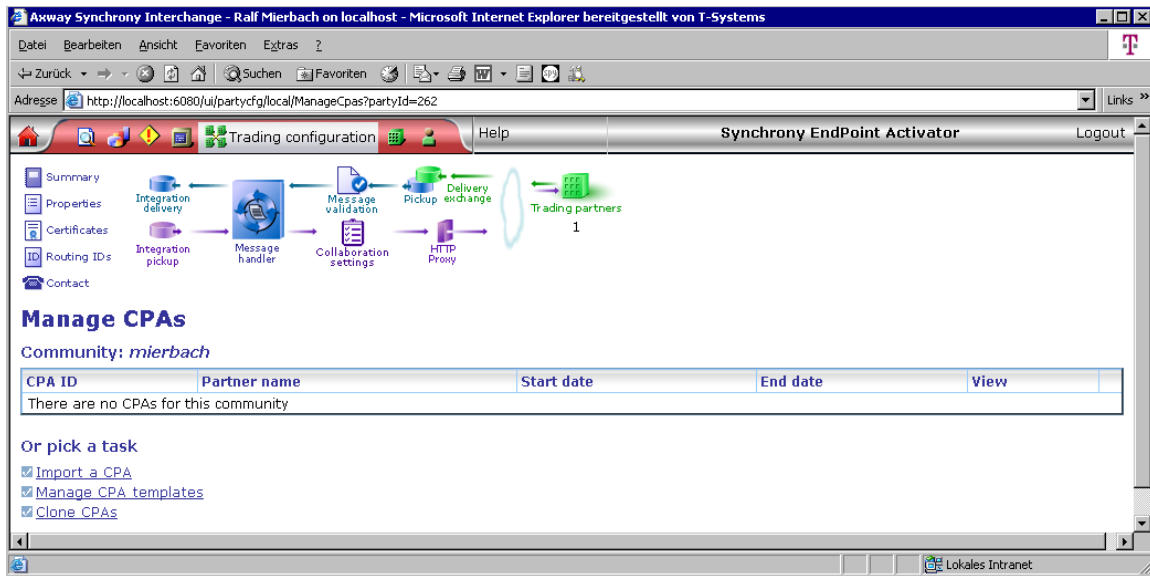
## 4.3 Import CPA

After you get the CPA file from Telekom, you can finish the configuration by importing the CPA file.

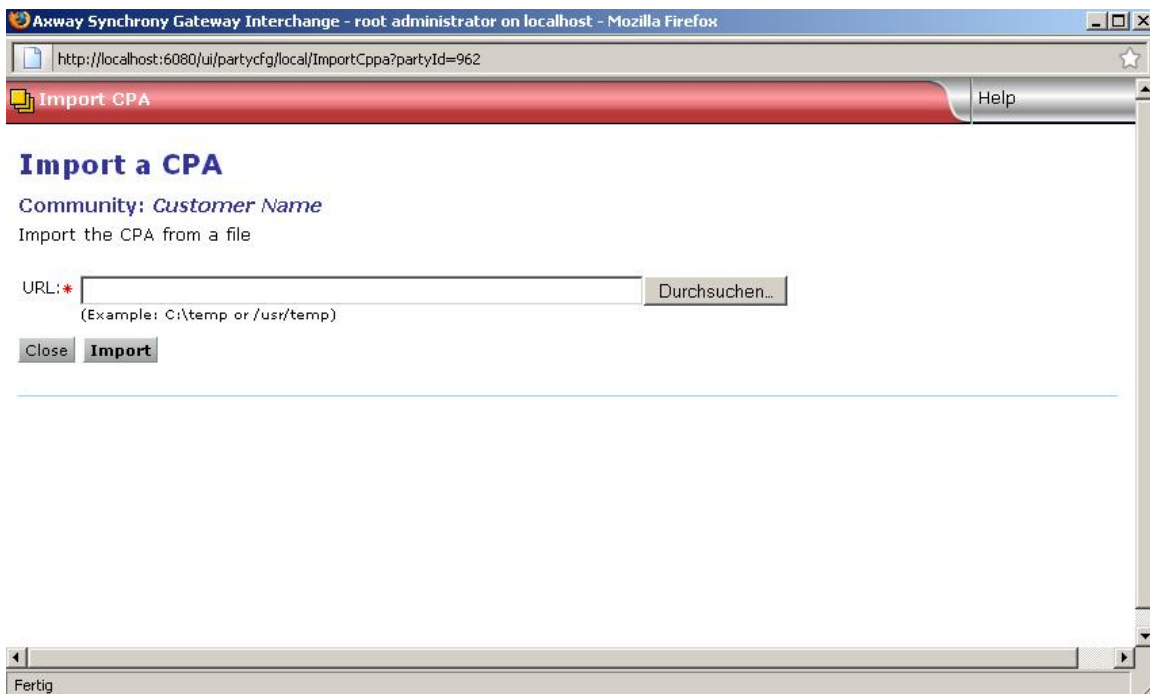
In your community area, go to the summary page for your community



Click on the Manage CPAs link at the bottom of the community summary page.



To import a CPA, click Import a CPA.



Select Import the CPA from a file and type the path of the CPA file or use the Browse button. Click Import to import the CPA.

After installing the CPA your system is ready for testing. Please contact the Telekom B2B Team first communication tests.

# Annex A Choosing the Transport Protocol for the Delivery Exchange

The delivery exchange is the transport by which you exchange trading documents with your partner. Before you set up a delivery exchange you need to consider which kind of transport you would like to use.

In principal, there are two options:

Using SMTP

Using HTTP(S)

Both alternatives have different impact on your infrastructure requirements for the partner communication. Both alternatives are considered in more detail in the following with respect to these requirements.

The connection about SMTP is more unsafe, more susceptible to disturbance and has not good performance as the connection via HTTPS, so the Telekom ebXML gateway supports only connection via HTTPS.

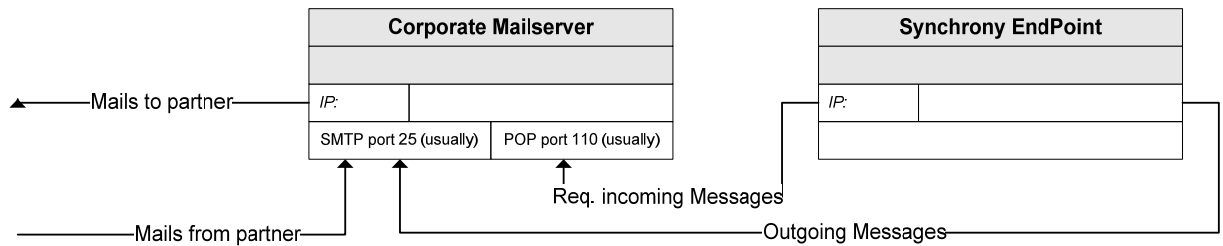
**You have to implement communication by HTTP(S).**

## A.1 Using SMTP (not supported by Telekom ebXML gateway)

When using SMTP as the messaging protocol, usually a corporate mail server is used for the direct communication with your partner. In that case, the Synchrony EndPoint which you are going to install must be capable to access this SMTP server (usually on port 25) for sending outgoing mails.

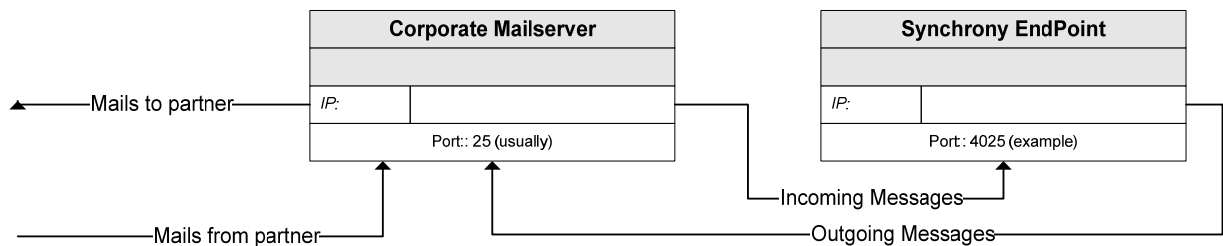
You also need the infrastructure to access incoming messages. There are two possibilities. In both cases there must be an email address associated with your Synchrony EndPoint, e.g. **B2BGateway@yourCompany.com**.

1. You can use a POP server, which maintains a mailbox for you. Your partner addresses this mailbox when sending messages to you. The EndPoint which you are going to install must be capable to access this POP server (usually on port 110) for fetching incoming messages.



Picture 1: Using a POP mailbox for incoming messages

Alternatively, you can configure your mail infrastructure in such a way, that e-mails to the given email address are forwarded to an embedded SMTP Server which is itself part of EndPoint.



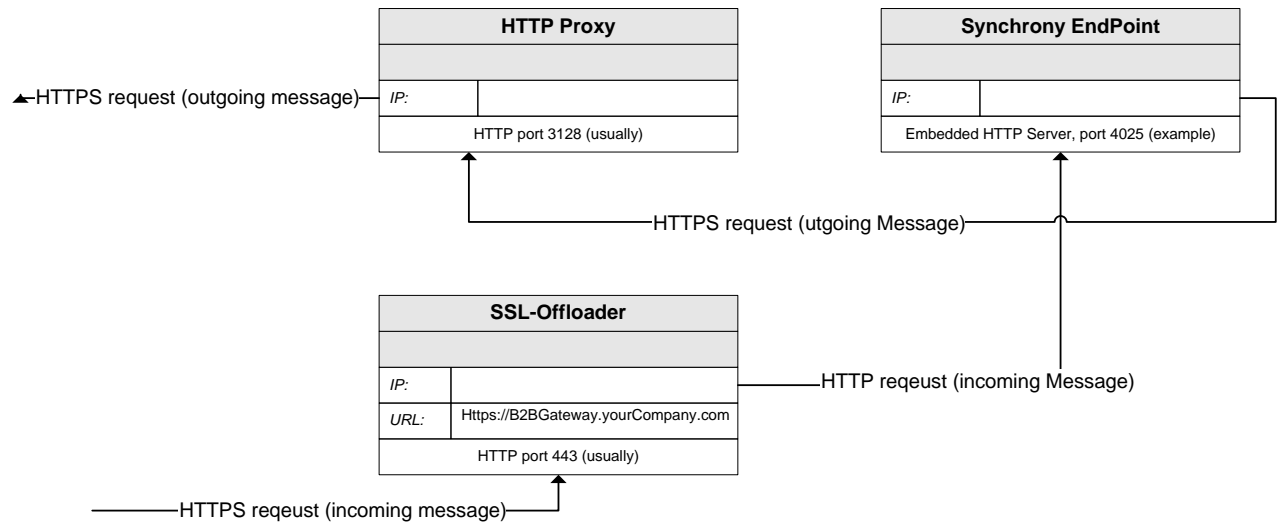
Picture 2: Forwarding incoming messages per SMTP

The 2nd approach has the advantage that a message can be delivered just when it arrives. If you use a POP server, Synchrony EndPoint polls the mailbox at certain points in time. While you can configure the interval for polling, there is certain delay for delivering messages by default.

## A.2 Using HTTP(S)

When choosing HTTP(S), you must be able to establish a network connection to your partner's HTTP(S) server and also your partner must be able to connect your HTTP(S) server. Your HTTP(S) server is part of your EndPoint, thus it is an embedded HTTP server.

In general, for calling your partner's HTTP(S) server the system on which you install EndPoint either needs direct access to the Internet or you use an HTTP proxy which provides this access. The latter is recommended for security reasons, and shown in picture 3. Use of a proxy server can be configured within Synchrony EndPoint. Of course, the EndPoint which you are going to install must be capable to access this proxy.



Picture 3: Connecting via HTTPS using an HTTP Proxy and an SSL-Offloader

Beside establishing connectivity to your partner's system, enabling access to the embedded HTTP(S) server of your own EndPoint usually is the more critical task. In general, this requires that your system is accessible from the Internet, more precisely, that port of your system on which the embedded HTTP(S) server of EndPoint listens. This port is configurable, the default is 4080 if you use HTTP. If you choose to use HTTPS you may select the standard port 443 for that service, or any other, 4443 for example. But for security reasons you will probably not allow direct connections from the Internet to your Synchrony EndPoint. Instead you might choose to connect terminate the SSL connection on an SSL Offloader. This infrastructure component is the SSL endpoint of the communication (and maintains the SSL server certificate), and forwards the received requests via HTTP (without SSL encryption) to the Synchrony EndPoint.