



Gateway 6.17.3 Interoperability Guide

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Gateway 6.17

Interoperability Guide

1

Axway Gateway (formerly XFB Gateway) is an Axway product in the Managed File Transfer category, that serves as a communication gateway. It provides a secure front end for handling data exchange between partners that are connected via public networks such as the Internet.

Get more help

Tip: online documentation lists

To find available documents for most Axway products and versions:

1. Go to <https://docs.axway.com/bundle>.
2. In the left pane Filters list, select your product or product version.

Note Customers with active support contracts can log in to access restricted content.

Full documentation set

Here's the full list of the Gateway documentation set (including this guide):

- Axway Gateway [User guide](#)
The main guide for Axway Gateway. As the users of this software mostly have an administrator profile, this guide serves as an Administration guide
- Axway Gateway [Release Notes](#)
- Axway Gateway [Installation Guide](#)
Provides information about installation and prerequisites
- Axway Gateway [Configuration Guide \(UNIX\)](#)
Provides information specific to different variants of the UNIX Operating System
- Axway Gateway [Upgrade guide](#)
This guide helps to perform the migration between towards Gateway 6.17.3
- Axway Gateway [Security guide](#) (requires login)
This guide provides instructions and recommendations to help you strengthen the security of Axway Gateway. To protect your data from possible hackers, access to this guide requires an Axway login.
- Axway Gateway [Interoperability Guide](#) (this guide)
Provides information relevant to interoperability with other products, such as Composer, Gateway Navigator, Integrator

Documentation of other related products

- Axway Secure Relay Master Agent Administrator Guide
- Axway Secure Relay Router Agent Administrator Guide

Gateway documentation set

For more information about Gateway and how it is used with other with other Axway products, refer to:

- Axway Interoperability Matrix
- Axway Supported Platforms

Training services

Axway offers training across the globe, including on-site instructor-led classes and self-paced online learning. For details, go to: <https://www.axway.com/en/services/training-certification>

Support services

The Axway Global Support team provides worldwide 24 x 7 support for customers with active support agreements.

Email support@axway.com or visit Axway Support at <https://support.axway.com>.

Document version: 6 September 2021

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- [Installation](#) -- [User](#) -- [Unix Configuration](#) -- [Upgrade](#) -- [Interoperability](#) -- [Security](#), requires login -- [Release Notes](#)

Integration connectivity via Gateway: Overview

2

[Connectivity services for integrations](#)

[Configuration requirements](#)

Connectivity services for integrations

Integration involves transforming, enhancing, validating and routing the files and messages that transit in your network, so that they can be used by diverse applications. To perform integration operations, Axway products use the services of Axway Integrator.

Connectivity involves packaging, partner definition and transport between applications hosted on diverse platforms inside the enterprise, and partners outside of the enterprise network. To provide connectivity, Axway products use the services of Axway Gateway.

The topics in this book describe how to combine these sets of services in an integrated system of file and message handling.

Configuration requirements

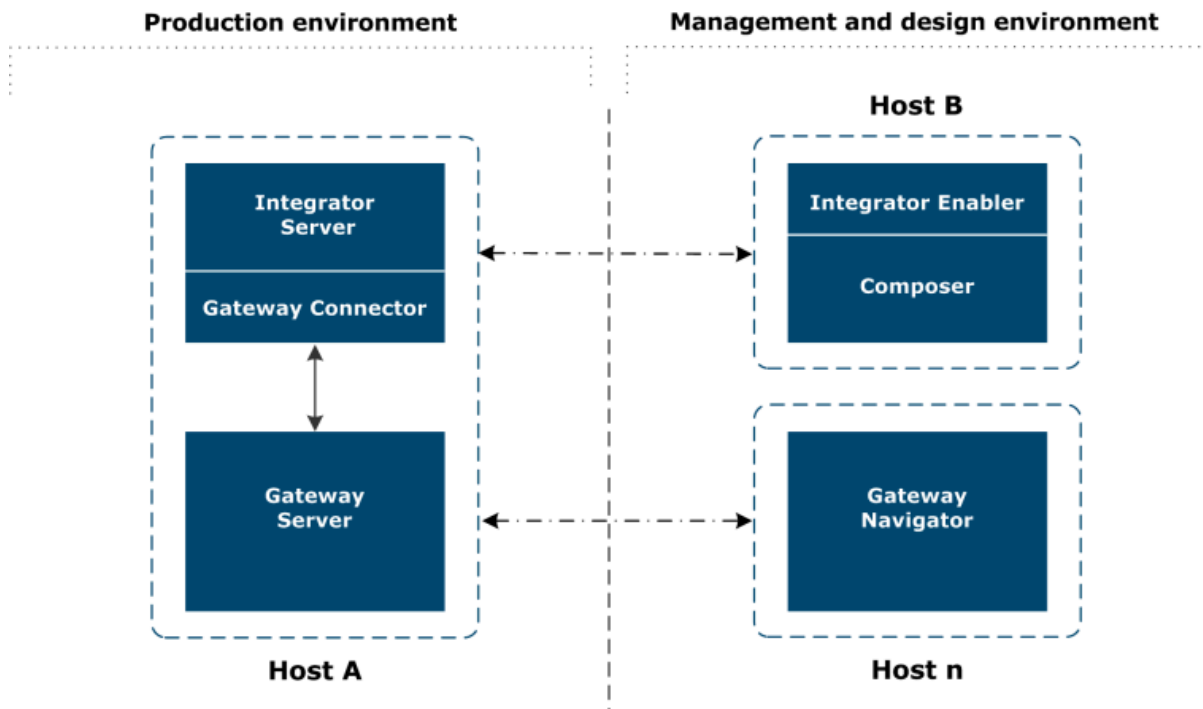
Installation architecture requirements

To provide integration and connectivity in support of your file and message handling requirements, you require the following Axway products:

- Integrator
- Gateway
- Gateway Navigator
- Composer

You must install the following Axway products on the same host machine:

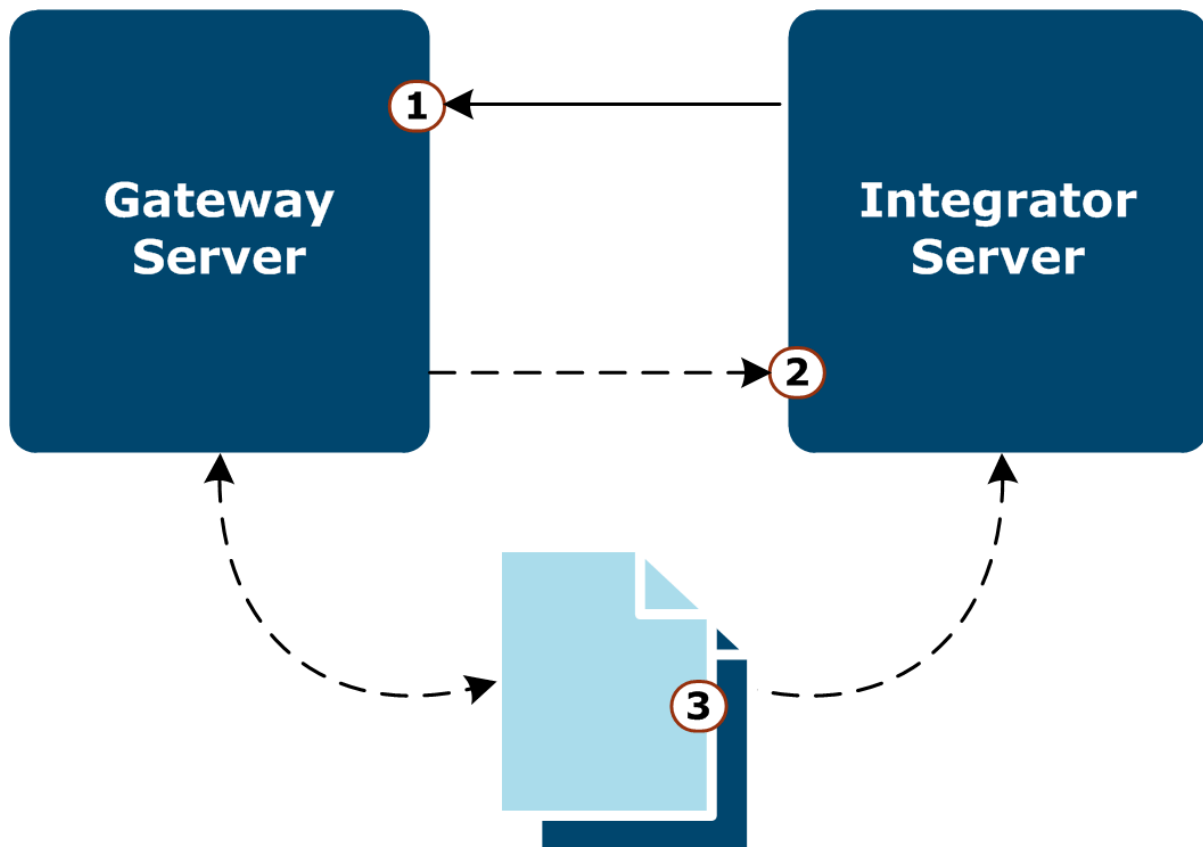
- Integrator Server
- Gateway Server



Integrator / Gateway communication architecture

Port access and file sharing requirements

The following figure illustrates port configuration and shared-directory requirements for communication between Integrator and Gateway.



Shared ports and directories

1

Gateway Server Daemon port

On this port, Gateway listens for remote calls to the CSAPI.

To configure Gateway to listen to remote API calls on this port, refer to [Adding the Integrator Gateway CommAdapter](#).

2

Integrator listening port

On this port, Integrator listens for incoming notifications from Gateway over a socket connection.

To configure Gateway to send notifications to this port, refer to [Static Gateway configuration](#).

3

Shared directory

This is a directory located on the shared platform, where Gateway and Integrator deposit undelivered notifications.

Note: Integrator and Gateway must share local directories with each other:

- Integrator shares its `$CORE_DATA/tmp` directory with Gateway
- Gateway shares its `<Gateway install directory>/run_time/tmp` directory (for the default

received files directory) with Integrator

- Integrator and Gateway share a directory where notifications are stored in stress cases

To configure Integrator to use this directory, refer to [Adding the Integrator Gateway CommAdapter](#).

To configure Gateway to use this directory, refer to [Static Gateway configuration](#).

Machine access right requirements

Modify the machine access rights to provide full access to these directories. For example, on UNIX platforms, execute a `chmod 777` command on these directories.

Related topics

[Implementing file and message exchange connectivity: General procedure](#)

Links to documentation set for Axway Gateway 6.17.3:

- [Installation](#) -- [User](#) -- [Unix Configuration](#) -- [Upgrade](#) -- [Interoperability](#) -- [Security](#), requires login -- [Release Notes](#)

Integration connectivity via Gateway: General implementation procedure

3

[Prerequisites](#)

[Implementation](#)

[After implementation](#)

Prerequisites

- Use the Axway Installer to install the following products:
 - Composer and the Integrator Enabler
 - An instance of the Gateway Server
 - An instance of the Gateway Navigator
 - An instance of the Integrator Server with *Gateway Connector* Using the common Axway Installer, install the Gateway Connector of the Integrator Server. You can do this during Integrator Server installation, or at any time after installation by re-running the installation program.
- After Integrator installation, remove the library that is identified in *this topic*

Implementation

- *Working in Gateway Navigator*
- *Working in Composer*

After implementation

- Test the product interoperation
View procedure
- Build integrations for your production environment
After you establish communication between Gateway and Integrator, you can build integrations in Composer that handle messages and files that are exchanged between your back-end applications and remote partners.

Related topics

[Integration connectivity via Gateway: Overview](#)

Links to documentation set for Axway Gateway 6.17.3:

- [Installation](#) -- [User](#) -- [Unix Configuration](#) -- [Upgrade](#) -- [Interoperability](#) -- [Security](#), requires login -- [Release Notes](#)

Working in Composer

Step	Task	Go to procedure
1	Create a CommNetwork	
2	Create a HostGroup	
3	Create a Host	
4	Create an Axway Server to represent Integrator	
5	Import the Integrator Server object set	
6	Add an Integrator Gateway CommAdapter	
7	Create an Axway Server to represent Gateway	
8	Create Integrator / Gateway Channels	
9	Send the objects to an execution server	

Links to documentation set for Axway Gateway 6.17.3:

- [Installation](#) -- [User](#) -- [Unix Configuration](#) -- [Upgrade](#) -- [Interoperability](#) -- [Security](#), requires login -- [Release Notes](#)

Creating an Axway Server to represent Gateway

[About the Gateway Axway Server](#)

[Prerequisites](#)

[Procedure](#)

About the Gateway Axway Server

This Axway Server object specifies the machine, protocols and access mechanisms that enable a Gateway Server to communicate with an Integrator Server on the network.

Prerequisites

Before you create the Axway Server object, you must create:

- CommNetwork object that defines the network protocol you use to communicate with the Gateway Server instance
[View dedicated topic](#)
- Host object that defines the machine that the Gateway Server instance will run on
[View dedicated topic](#)
- Optionally, a HostGroup object that defines where the Gateway Server instance is logically situated in your network
[View dedicated topic](#)

Procedure

1. In the Composer Topography workbench, select **New > Configure new Axway Server...** from the **File** menu.
Composer opens the *Axway Server* properties window.
2. Complete the **General** tab.
[View fields](#)
3. On the **Communication** tab, select the TCP CommNetwork created previously.
4. Check, save and close the Axway Server object.

Links to documentation set for Axway Gateway 6.17.3:

- [Installation](#) -- [User](#) -- [Unix Configuration](#) -- [Upgrade](#) -- [Interoperability](#) -- [Security](#), requires login -- [Release Notes](#)

Creating an Axway Server to represent Integrator

[About the Integrator Axway Server](#)

[Prerequisites](#)

[Procedure](#)

[After you create the Axway Server](#)

About the Integrator Axway Server object

This Axway Server object specifies the machine, protocols and access mechanisms that enable an Integrator Server to communicate with other local and remote applications.

Prerequisites

Before you create the Axway Server object, you must create:

- CommNetwork object that defines the network protocol you use to communicate with the Integrator

Server instance

[View dedicated topic](#)

- Host object that defines the machine that the Integrator Server instance will run on
[View dedicated topic](#)
- Optionally, a HostGroup object that defines where the Integrator Server instance is logically situated in your network
[View dedicated topic](#)

Procedure

1. In the Composer Topography workbench, select **New > Configure new Axway Server...** from the **File** menu.
Composer opens the Axway Server properties window.
2. Complete the **General** tab. Be sure to set the *Type* field to the value **Integrator**.
[View fields](#)
3. On the **Communication** tab, select the TCP CommNetwork you created previously.
4. Check, save and close the Axway Server object.

After you create an Integrator Axway Server

After you define an Integrator Server object, you need to import the object set from the Axway Server instance that the object represents.

[View dedicated topic](#)

Links to documentation set for Axway Gateway 6.17.3:

- [Installation](#) -- [User](#) -- [Unix Configuration](#) -- [Upgrade](#) -- [Interoperability](#) -- [Security](#), requires login -- [Release Notes](#)

Creating Channels for Integrator / Gateway exchanges

[Overview](#)

[Prerequisites](#)

[Creating the Integrator Receive from Gateway Channel](#)

[Creating the Integrator Send to Gateway Channel](#)

Overview

To link Integrator and Gateway for the exchange of messages, you create two Channels in Composer:

- Integrator Receive from Gateway Channel
- Integrator Send to Gateway Channel

Prerequisites

Before you can create the Channels, you must create:

- An Axway Server object to represent Integrator
[View topic](#)
- An Axway Server object to represent Gateway
[View topic](#)
- An Integrator Gateway CommAdapter
[View topic](#)

Creating a Channel for Integrator reception from Gateway

1. In the Composer Integration-Services workbench, **Transport** tab /**Hierarchy** sub-tab, right-click the Axway Server object that represents Integrator and then select **Channel** from the context menu. Composer displays the *Channel* properties window.
2. Complete the **General** tab:

View fields

Field	Contents
Name	Enter a name for the Channel. For example, ReceiveFromGateway.
Label	Optionally enter a description.
Status	You cannot directly change the status in this field.
Endpoints	
Terminus1	From the drop-down list, select Axway Server . Then from the <i>Instance</i> field drop-down list, select the Axway Server object that represents the Integrator Server.
Terminus2	From the drop-down list, select Axway Server . Then from the <i>Instance</i> field drop-down list, select the Axway Server object that represents the Gateway Server.
Connection parameters	
Connection type	Select TCP / Gateway
Connection point 1	Select Gateway
Connection point 2	Select CommPoint1 - Gateway

3. In the **Connection point 1** tab, select the Receiver in the *Receiver or Sender* field.
4. In the Receive criteria section, select one or more message reception options.

View options

Reception option	Description
Trading Partners (DEAID)	Select this option if your Gateway is connected to PassPort to for Partner definitions. Enter an address in the Originator Document Exchange Address (DEA) field to accept messages from a specified DEA.
EDIINT	Select this option to receive EDIINT messages.
Others	Select this option to receive all messages emitted from the Gateway-configured originating SITE;

5. Check, save and close the object.

Creating a Channel Integrator sending to Gateway

1. In the Composer Integration-Services workbench, **Transport** tab /**Hierarchy** sub-tab, right-click the Axway Server object that represents Integrator and then select **Channel** from the context menu.
2. Composer displays the *Channel* properties window.
3. Complete the **General** tab:

View fields

Field	Contents
Name	Enter a name for the Channel. For example, SendToGateway.
Label	Optionally enter a description.
Status	You cannot directly change the status in this field.
Endpoints	
Terminus1	From the drop-down list, select Axway Server . Then from the <i>Instance</i> field drop-down list, select the Axway Server object that represents the Integrator Server.
Terminus2	From the drop-down list, select Axway Server . Then from the <i>Instance</i> field drop-down list, select the Axway Server object that represents the Gateway Server.
Connection parameters	
Connection type	Select TCP / Gateway

Field	Contents
Connection point 1	Select Gateway
Connection point 2	Select CommPoint1 - Gateway

- In the **Connection point 1** tab, select **Sender** in the *Receiver or Sender* field. Accept the defaults for Transfer timeout and Retry.
- In the Send criteria section, select one or more message sending options.

View options

Reception option	Description
Trading Partners (DEAID)	This option enables you to define the Trading Partner where you want to send the incoming file from the previous step of the integration process. Gateway uses this reference to a Trading Partner to consult PassPort for the parameters to create the transfer in Gateway.
Override attributes	Select this option to override the default set of transfer attributes provided by the Integrator Gateway Connector. For more information click here . If you are not using PassPort, the DEAID must be overridden to blank.

- Check, save and close the object.

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Creating a CommNetwork

About the CommNetwork object

A CommNetwork is a Composer object that specifies a set of communication parameters for communication between two network components.

Procedure

- In the Composer Topography workbench, select **File > New > Topography > CommNetwork**. Composer displays the CommNetwork properties window.
- Complete the following fields of the **General** tab:

- **Name:** Enter a name for the CommNetwork
 - **CommNetwork type:** Select **TCP** from the drop-down list
3. From the **File** menu, select:
- **Check** to verify that all mandatory object definitions are correct
 - **Save** to save the object definition in the Composer database
 - **Close** to close the object properties window

Links to documentation set for Axway Gateway 6.17.3:

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Adding an Integrator Gateway CommAdapter

[About the Integrator Gateway CommAdapter](#)

[Prerequisites](#)

[Procedure](#)

About the Integrator Gateway CommAdapter

The Integrator Gateway CommAdapter provides the services that enable Integrator to exchange messages with Gateway.

This CommAdapter uses a dedicated processing task on the Integrator Server which we create as part of the procedure. This configuration step is optional, but it is recommended because it improves the performance of the Gateway connector by reserving dedicated processes.

Prerequisites

The Integrator Axway Server object and CommNetwork must exist in Composer.

Procedure

1. In the Composer Topography workbench, open the Integrator Axway Server object.
2. On the **Core Tasks** tab of the *Axway Server properties* window, create a processing task dedicated to Gateway. This step is not mandatory, but it is recommended, since it enables you to have separate processes and improves the performance of the Gateway connector.
3. On the **Communication** tab, right-click the CommNetwork and select add a CommAdapter. Select **Gateway** for the CommAdapter type.
4. Complete the **Configuration** sub-tab:

View fields

Field	Description
User	Enter a user name for Gateway access.

Field	Description
	Default = Admin
Password	Enter a password for Gateway access. Default = <i>no password</i>
Port number	Enter the port number for access to the directory that is shared between integrator and Gateway.
Data exchange directory	Enter the name and path of the directory shared by Integrator and Gateway. These must be the same values that you define for <i>Shared directory</i> in the Gateway static configuration. View Gateway configuration topic
Profile name	Default = CSTCP The <i>Profile name</i> value identifies a single Gateway server instance for communication with Integrator. The <i>Profile name</i> attribute is deduced from the file: CORE_LOCALCORE_LOCAL is the path to the folder named 'local' which resides in your Integrator Server installation. /bin/csconfig.ini View Integrator file content In this file, by default the Gateway connection section holds the value CSTCP. To enable Integrator to communicate with more than one Gateway, you must create a Gateway connection section in the <code>csconfig.ini</code> for each Gateway instance. To do this, you open the file in a text editor and duplicate the entire CSTCP section, specifying a different name and new set of Gateway connection parameters. The name you give to this new section (replacing "CSFTP") must correspond to the name of the Gateway instance as it is specified in the Gateway configuration file: <pre><Gateway install directory>/run_time/etc/ csconfig.ini</pre> View Gateway file content After you modify the Integrator <code>csconfig.ini</code> file, the new Gateway name appears as a Profile name option in the Integrator Gateway CommAdapter configuration.
Enable	Select this option to enable the CommAdapter when it is sent to an execution server

5. Accept the default values for the other parameters on the **Advanced** sub-tab.
6. On the **Task references** sub-tab, select the processing task created in step 2.
7. Check, save and close the Axway Server object.
8. Send the Axway Server object to the execution server via the **Send to Server** command. The status of

the Axway Server is set to Committed.

Note: Since the Gateway CommAdapter is a client CommAdapter, there is no need to create a CommPoint.

Links to documentation set for Axway Gateway 6.17.3:

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Creating a Host

About the Host object

A Host object specifies the machine where you have installed the component server instance(s).

Before you create the Host object, you must create at least one CommNetwork object.

Procedure

1. In the Composer Topography workbench, select **File > New > Topography > Host** or right-click the **Host** folder in the navigator pane and select **Host**.
Composer displays the "Host properties" screen.
2. In the **General** tab:
 - **Name** – Enter a name for the Host.
 - **HostGroup**: – Optionally, from the drop-down list, select a HostGroup that the Host machine belongs to.
 - **OS type** – From the drop-down list, select the operating system that supports the Host.
3. In the **Communication** tab:
 - Click the **Create a CommNetwork** icon.
Composer adds a CommNetwork node to the tree in the left pane, and opens the CommNetwork properties window in the right pane.
 - In the **CommNetwork** field of the right pane, select a CommNetwork from the drop-down list.
 - On the **TCP** sub-tab, enter the host name or IP address of the host where this CommNetwork runs.
4. From the **File** menu select:
 - **Check** to verify that all mandatory object definitions are correct.
 - **Save** to save the object definition in the Composer database.
 - **Close** to close the object properties window.

After you create the Host object

After you create the Host, it is saved to the Composer database and is available for use.

You can now create an Axway Server objects that represent the Axway Server instances that are located on this Host.

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Importing an object set from an Integrator Server

[About importing the object set](#)

[Prerequisites](#)

[Procedure](#)

[After importing the object set](#)

About importing the object set

To populate the Axway Server object that represents the Integrator Server in Composer, you must import a set of objects from that Integrator Server instance.

Prerequisites

Before you can import an object set you must:

- Install an Integrator Server instance
- Start the Integrator Server instance, or if the Server is already running, restart the Integrator Server.
- In Composer, create an Axway Server object to represent the Integrator Server instance.

[View procedure](#)

Procedure

1. In the Composer Topography workbench, right-click the Integrator Axway Server object in the navigator pane and select **Advanced actions > Import Object-Set** from the context menu. Composer imports Integrator Server Core Tasks from the Server instance to the Axway Server that you created. After you import the Object-Set, the Axway Server has the Composer life cycle status "Committed".
2. Right-click the Axway Server object in the navigator pane and select **Advanced actions > Back to design** from the context menu. The object status changes to Checked.

After you import the object set

You can now add a CommAdapter to the Integrator Axway Server object.

Links to documentation set for Axway Gateway 6.17.3:

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Sending objects to an Integrator Server

1. In the Composer Integration-Services workbench / **Integration Manager** tab, expand the directory tree in the left pane and right-click the Integration-Task.
2. From the context menu, select **Advanced actions > Send to Server...**
Composer sends the Integration-Task and the associated objects (Integration-Process, Business-Documents, Map-Brokers, ...) to the Integrator Server that is specified in the Integration-Task configuration.

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Creating a HostGroup

About the HostGroup object

A HostGroup is an organizational object that you can use to group a set of Host objects. A HostGroup typically represents a geographical site, such as Times Square, Rome or Alaska. Alternatively, it can represent a functional group, such as Accounting.

Procedure

1. In the Composer Topography workbench, select **File > New > Topography > Hostgroup**.
Composer displays the HostGroup properties window.
2. Complete the following fields of the **General** tab:
 - **Name** – Enter a name for the HostGroup.
 - **Label** – Optionally, enter a free-text description for this HostGroup
 - **Parent HostGroup** – From the drop-down list, select a parent HostGroup for this object. By default, this value is set to the name of the HostGroup that is selected in the left pane when you create the new HostGroup.
3. From the **File** menu, select:
 - **Save** to save the object definition in the Composer database.
 - **Close** to close the object properties window.

Links to documentation set for Axway Gateway 6.17.3:

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Working in Gateway Navigator

Step	Task	Go to procedure
1	Set the static configuration of the Gateway Server	
2	Check the Local Site object	
3	Create the Remote Site object	
4	Create the Local Trading Partner	
5	Create the Remote Trading Partner	
6	Create Decision Rules	

Links to documentation set for Axway Gateway 6.17.3:

- [Installation](#) -- [User](#) -- [Unix Configuration](#) -- [Upgrade](#) -- [Interoperability](#) -- [Security](#), requires login -- [Release Notes](#)

Checking the Gateway Local Site object

About checking Local Sites

To establish communication with a remote partner, you require a Gateway Local Site object. This object represents the Gateway Server to itself as a local endpoint for message exchanges.

The installation program creates a default Local Site object when you install Gateway, using the values you enter at that time.

Procedure

1. In the left pane of the Gateway Navigator main window, expand the nodes **Partner Management > Sites**.
2. Select the **Local Site** node.
Navigator displays the list of Local Sites in the right pane.

Links to documentation set for Axway Gateway 6.17.3:

- [Installation](#) -- [User](#) -- [Unix Configuration](#) -- [Upgrade](#) -- [Interoperability](#) -- [Security](#), requires login -- [Release Notes](#)

Creating a Remote Site object

About the Gateway Remote Site object

To enable Gateway to communicate with remote partners, you require one or more Remote Site objects.

When you install Gateway, the software creates a set of Remote Sites adapted for use with different protocols, and enters these sites in your database. The procedure in this topic describes how to add your own Remote Sites.

Procedure

1. In the left pane of the Gateway Navigator main window, click to expand the nodes: **Partner Management > Sites**
2. Right-click the Remote Site child node of the Sites node and then from the context menu, select **New...** Navigator displays the *New Remote Site* window.
The set of fields and tabs displayed for Remote Site objects depends on the protocol that you select. The initial screen displays three tabs.
 - **General**
 - **Options**
 - **Network address**

When you select the protocol on the **General** tab, the tabs displayed will change.

3. Complete **General** tab.

View fields

Field	Description
Alias	Enter an alias for the Remote Site object
Protocol	Select the protocol type that you will use for exchanges with this site. When you select a protocol, the set of available tabs changes dynamically.
Role	
Initiator/Sender	Select one or more roles for the Remote Site in message exchanges
Initiator/Receiver	
Responder/Sender	
Responder/Receiver	

4. Complete the **Options** tab.

View fields

Field	Description
Maximum data block size (in bytes)	Specify the maximum data block size in bytes. Integer: 128 - 8000. Default = 4000
Maximum number of simultaneous connections to this Site	Specify the maximum number of connections to this Site. Integer: 0 - 999. Default = 1. For POP3 Sites, this value is always set to 1.
Maximum number of simultaneous connections from this Site	Specify the maximum number of connections from this Site. Integer: 0 - 999. Default = 1. For POP3 Sites, this value is always set to 0.
Maximum number of connection retries before time limit	Specify the maximum number of times the software tries to connect before stopping the Site. Integer: 0 - 999. Default = 10.
Time before first retry (in seconds)	Specify the minimum delay before the first connection retry. Integer: 1 - 9999. Default = 10. Each subsequent retry doubles the time that you enter here. For example, if you enter 10 seconds, the first retry occurs after 10 seconds, the second after 20 seconds, the third after 40 seconds, and so on until either: - the maximum interval between retries is reached - or the maximum number of connection retries is reached
Maximum interval between retries (in seconds)	Specify the maximum interval between connection retries. The value that you enter here must be greater than or equal to the value entered in the Time before first retry field. Integer: 1 - 9999. Default = 1800. For example, if you enter 30 in this field, 10 in the Time before first retry field and 10 in the Maximum number of connection retries field, then the first retry occurs after 10 seconds, the second after 20 seconds and the third after 30 seconds since this is the maximum interval allowed. Each subsequent retry occurs after 30 seconds until the maximum number of retries is reached, in this case 10.
Sentinel: Transfer Filter	Use this option to send a record of Transfer state changes to Sentinel. Select one of the following: All – sends all Transfer state changes to Sentinel Summary – sends a summary of Transfer state changes. Summary Transfer states are: canceled, ended, acked,

Field	Description
	created, to begin
	• None – sends no Transfer state changes • Undefined – Axway Gateway uses the value set in the configuration menu

5. Complete the **Network** address tab.

View fields

Field	Description
Communication address	You can define up to four communication addresses for the Remote Site. You must define the properties for the Main address first. To view an existing definition, or define the properties for a new address, select one of the communication paths used to connect to the Site: • Main address (default) • Alternative address n°1 • Alternative address n°2 • Alternative address n°3
Network type	Select one of the following: • TCP/IP • LU 6.2 • Empty (default) The fields displayed in the right pane depend on the type of network that you select in this field.
Initial communication path	This field displays the initial address used to connect to the Site. By default this field is set to Main address and is grayed out. However, if an error occurs on the Main address, you can select another communication address from the drop-down list.
Right pane - X.25 specific fields:	
Called address	Specify the destination network address for the Remote Site. Maximum: 15 alphanumeric characters.
Calling address	Specify the originator network address for the Site. Maximum: 15 alphanumeric characters.
User data in the call request packet	Maximum: 18 hexadecimal characters.
Facilities	Enter a hexadecimal string with facility services in the format <code><value>. The supported facility services are:

Field	Description
	• Negotiate packet size • Negotiate window size • Reverse charging • Throughput
Logon message	<i>PEL and PeSIT protocols only</i> Enter a message to send before the protocol exchange. Use this message to specify the target Application. • PEL: up to 31 alphanumeric characters • PeSIT: up to 8 alphanumeric characters
Logon code	Select one of the following codes for the logon message: • ASCII • EDCDIC • Binary
Right pane - TCP/IP specific fields: For more information, refer to Address configuration for Remote Sites.	
IP address or machine name	Enter the IP address. Maximum: 63 alphanumeric characters.
Port number	Enter the port number.
Network Proxy	This field displays a list of Proxies whose protocol is either SOCKS4 or HTTPS. This field is available for all protocols. Select a Proxy from the drop-down list.
FTP Proxy	<i>FTP and HTTP only</i> This field displays the list of available FTP or HTTP Proxies. Select a Proxy from the drop-down list.
Right pane - LU 6.2 specific fields:	
Destination (mandatory)	Enter the CPI-C symbolic destination defined in the SNA configuration database. Maximum: 8 alphanumeric characters. The symbolic destination identifies the SNA resources to use to connect to the Remote Site. This field contains a definition of all the other parameters on this tab. Any values that you enter in the other fields on this tab will override the values in the CPI-C symbolic destination.
User identification	Enter the login user ID.
Password	Enter the login user password.
Type	Enter the conversation type. This version of the product supports <i>Basic Conversation</i> only.
Mode	Enter the LU 6.2 mode name to use. The Mode Name determines

Field	Description
	the session parameters to use.
LU Partner	Enter the Logical Unit for the Remote partner.
LU Local	Enter the Logical Unit for the Local partner.
Transaction	Enter the name of the CPI-C Transaction program that you want to invoke.
PIP	Enter the Program Initialization Parameters.

6. Complete the **Protocol** tab that is displayed for your selected exchange protocol. The fields that appear on this tab vary greatly depending on the selected protocol. For details about tab content refer to the Gateway online documentation.
7. After completing the fields, click **OK** to accept the values and close the window.

Links to documentation set for Axway Gateway 6.17.3:

- [Installation](#) -- [User](#) -- [Unix Configuration](#) -- [Upgrade](#) -- [Interoperability](#) -- [Security](#), requires login -- [Release Notes](#)

Creating a Remote Trading Partner

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About the Gateway Remote Trading Partner object

In the Remote Trading Partner object you specify information about the remote trading partner and the requested services for exchanges with that partner.

Gateway GUI procedure

1. In the left pane of the Gateway Navigator main window, click to expand the **Partner Management** node.
2. Right-click the **Trading Partners** sub-node and from the context menu select **New**.
3. From the context menu, select the type of partner.

View available partner types

- SMIME partner
- AS1 partner
- AS2 partner
- AS3 partner
- RosettaNet partner
- SWIFTNet partner

- OFTP partner (for OFTP R2.0 security services)

When you select a partner type, Gateway displays the *Trading Partner* properties window. The parameters displayed depend on the type of partner (protocol).

4. Complete the fields of the Trading Partner window.

View fields for S/MIME, AS1, AS2, AS3, RosettaNet and OFTP

Field	Definition
Identification criteria	
Alias	Enter a name for the Trading Partner object to use for local identification operations. The name must be unique. Gateway stores this alias as part of the data of each Transfer Request. You can use the alias as a substitute for the partner name parameter when depositing Transfer Requests.
Format	This field displays the protocol format that you selected when creating the new Trading Partner.
Local Partner	Do not select this option.
Name/Email	For S/MIME or AS1, enter an email address. For other protocols, enter a unique name for the Trading Partner object. Maximum: 128 characters.
Comments	<i>Optional</i> Enter a free-text description of the Remote Trading Partner object. Maximum: 80 alphanumeric characters. This description is included in the displayed list of available Trading Partners.
Certificate/Key <i>The fields displayed depend on the type of partner and the selected options.</i>	
Use dual certificates	Click this button to toggle between the use of single or dual certificates. The effect of this button varies according to the context: If you: • select Use dual certificates: An encryption certificate is used to encrypt what is sent, and a signing certificate is used to check the signature of what is received. • do <i>not</i> select Use dual certificates: A single certificate is used to encrypt what is sent, and to check the signature of what is received.
Certificate: Type	<i>This field is visible when you do not select the Use dual certificates button.</i> Select a single certificate type to handle both outgoing and incoming messages: • None • Secs alias: local Axway Gateway PKI

Field	Definition
	• PassPort PS entity: for use with the PassPort PS server. Refer to the Axway PassPort documentation for details. • PassPort PS certificate: for use with the PassPort PS server. Refer to the Axway PassPort documentation for details.
Certificate: Name	<i>This field is visible when you do not select the Use dual certificates button.</i> Enter the name of the certificate to be used to handle both outgoing and incoming messages.
Certificate: Key password	<i>This field is visible when you do not select the Use dual certificates button.</i> Enter the password of the certificate key to be used to handle both outgoing and incoming messages. This parameter is not available if you select SECS ALIAS as the <i>Certificate Type</i>.
Signing certificate: Type	<i>This field is visible when you select the Use dual certificates button.</i> Select a certificate type for message signing: • None • Secs alias: local Axway Gateway PKI • PassPort PS entity: for use with the PassPort PS server. Refer to the Axway PassPort documentation for details. • PassPort PS certificate: for use with the PassPort PS server. Refer to the Axway PassPort documentation for details.
Signing certificate: Name	<i>This field is visible when you select the Use dual certificates button.</i> Enter the name of the certificate to use for signing.
Signing certificate: Key password	<i>This field is visible when you select the Use dual certificates button.</i> Enter the password for signing certificate key use. This parameter is not available if you select SECS ALIAS as the <i>Signing Certificate Type</i>.
Encryption certificate: Type	<i>This field is visible when you select the Use dual certificates button.</i> Select a certificate type for message encryption or decryption: • None • Secs alias: local Axway Gateway PKI • PassPort PS entity: for use with the PassPort PS server. Refer to the Axway PassPort documentation for details. • PassPort PS certificate: for use with the PassPort PS server. Refer to the Axway PassPort documentation for details.
Encryption certificate: Name	<i>This field is visible when you select the Use dual certificates button.</i> Enter the name of the certificate to use for the encryption of sent messages.
Encryption certificate:	<i>This field is visible when you select the Use dual certificates button.</i> Enter the password for the use of the certificate to be used for the

Field	Definition
Key password	encryption of sent messages. This parameter is not available if you select SECS ALIAS as the <i>Encryption Certificate Type</i>.
Encryption algo	<i>This field is visible when you select any option other than none from the Encryption certificate: Type field.</i> Select the algorithm to use for message and/or acknowledgement encryption: • AES128 (default) • AES256 • DES • 3DES
Key encryption algo	<i>This field is visible when you select any option other than none from the Encryption certificate: Type field.</i> The only available value for this field is: • RSA (default)
Use Multiple Certificates	<i>Only if you are using PassPort PS</i> Select this option to use multiple certificates. Refer to the Axway PassPort documentation for details.
Default parameters for file sending These fields are active only when you are creating or modifying a remote Trading Partner object (Local Partner checkbox unselected)	
Associated originator Partner	Either: • Enter the originator partner to use when sending a file, or • Select a partner from the drop-down list
Default outgoing Site	Either: • Enter a default outgoing Site name, or • Select a Site name from the drop-down list The Site must be an existing Site on your local Axway Gateway. When you send a file to a remote exchange partner, the remote partner uses this value to process the sent message.
Remote directory (url complement)	<i>Not available for all types of partner</i> Specify: • For AS2, the URL path of the directory where the remote exchange partner stores received data • For AS3, the directory where the remote partner stores received data Your remote destination exchange partner must provide you with this information. This parameter is only significant when the remote exchange partner is

Field	Definition
	operating as a server.
Requested services: Encrypt file	Select this option to activate encryption.
Requested services: Sign file	Select this option to activate message signing.
Requested services: Compress file	Select this option to activate message compression. If you select this option, select a compression algorithm in the Compression algo field.
Requested services: Compression algo	If you select the Compress file option, select a compression algorithm from the drop-down list.
Requested services: Request receipt	Specify whether or not you want to receive a receipt on reception of a file you send. If you choose to receive a receipt, specify whether the receipt is signed or unsigned. Enter one of the following values: • None = no receipt requested (default) • Signed = request signed receipt • Unsigned = request unsigned receipt If you select either the Signed or Unsigned values for this option, enter a receipt reception address in the Receipt url/email field.
Requested services: Synchronize receipt	<i>Only for AS2.</i> Specify whether or not you want to synchronize receipt delivery: • selected: your remote partner returns a reception acknowledgement immediately on file reception and unpacking • not selected: your remote partner returns a reception acknowledgement in a protocol session independent of the original transfer session
Requested services: Receipt url/email	<i>Not available for the S/MIME protocol.</i> If you choose to receive receipts of sent messages, specify the address to which the receiving partner sends the receipt.
Parameters for file reception These fields are active only when you are creating or modifying a remote Trading Partner object (Local Partner checkbox unselected)	
Force signed	Select this option to specify that you want Gateway to require message signing on reception.

Field	Definition
	If you request signing by selecting the Sign file option above, you should also activate this function.
Force encrypted	Select this option to specify that you want Gateway to require message encryption as criteria for reception. If you request encryption by selecting the Encrypt file option above, you should also activate this function.
Force receipt requested	Specify whether or not you want Gateway to require receipt requests on reception. Select one of the following values: • Undefined = Do not require a receipt request (default) • None = Ensure that no receipt is requested. Gateway rejects messages with receipt requests • Signed = Ensure that a signed receipt is requested. Gateway only accepts messages with requests for signed receipts • Unsigned = Ensure that an unsigned receipt is requested. Gateway only accepts messages with requests for unsigned receipts
Force receipt url/email	If you enter an address as a value for this parameter, Gateway checks to confirm that the receipt return path specified in the incoming message is the same. If the check fails, Gateway rejects the message.
Advanced parameters...: Local file location for encoding/decoding Click the Advanced... button to display the following two fields. These fields enable you to specify the directory and name format of the file where transfers are processed for encoding (outgoing files) and decoding (incoming files). You may want to specify a secure directory for this file, keeping in mind that the files that are decoded in this directory can be read by malicious intruders. If you do not specify a directory, Gateway creates the files in <code><Gateway install directory>\runtime\tmp</code>	
Directory path	Enter the local physical path of the directory where transferred files are encoded and decoded.
File name pattern	Enter a specific file name format to enable you to identify the transferred file in the specified out directory.

5. Click **OK**.

Gateway creates a new Remote Trading Partner object with the specified characteristics.

Gateway command line procedure

To create a Remote Trading Partner object via the command line, use the `peladm create_tradepart` command.

For details of command line use, refer to the Axway Gateway online documentation.

Links to documentation set for Axway Gateway 6.17.3:

- [Installation](#) -- [User](#) -- [Unix Configuration](#) -- [Upgrade](#) -- [Interoperability](#) -- [Security](#), requires login -- [Release Notes](#)

Configuring Gateway for communication with Integrator

About configuring Gateway for communication with Integrator

After you install the Gateway and Integrator Servers, to activate the communication between the two products, on the Gateway side you must set certain Gateway configuration parameters

Procedure

1. Open a session of Gateway Navigator and connect to the Gateway Server instance.
2. In the left pane of the Navigator main window, right-click the name of the server from the directory tree, then from the context menu select **Configure**.
Navigator opens the *Axway Gateway Configuration* window for the server.
3. In the left pane of the *Axway Gateway Configuration* window, select **Connectivity > Synchrony connectivity > Integrator** and then complete the fields in the right pane.

View fields

Field	Description
Address	Enter the IP, or the DNS host name of the Integrator Server instance
Port	Enter the port number assigned to the Integrator Connector. This value must be in decimal format and unique on the operating system.
Shared directory	Enter the name and path of the directory shared by Integrator and Gateway. Gateway must have read-write access to this directory.
Status	Select Activate

Links to documentation set for Axway Gateway 6.17.3:

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Gateway Decision Rules for transfers to Integrator

[About Decision Rules](#)

[Decision Rule parameters](#)

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About Decision Rules

In the Gateway GUI, you define a Decision Rule to enable Gateway transfers to be routed to Integrator.

If Gateway receives a file or message transfer with characteristics that match the criteria of a Decision Rule, and the Decision Rule has the Integrator execution-type option selected, it sends a notification (containing all transfer attribute values) to Integrator. This notification message informs Integrator that a file is available in the received files directory (by default: <Gateway install directory>/run_time/tmp).

Each Decision Rule is dedicated to a specific event.

Decision Rule parameters

A Decision Rule that routes a message to Integrator takes the following minimum set of parameters:

- Conditions
 - Direction = I (in)
 - State = E (transfer ended)
- Processing
 - Execution type = XIB (Route to Integrator)

Example conditions

Typically, you add additional conditions to dedicate the Decision Rule to very specific events. For example, a Decision Rule that routes an incoming message in SWIFT FileAct Real time transfer mode might contain the following set of conditions:

- Conditions
 - destination alias = destination_server_name
 - direction = I (In)
 - mode = R (responder)
 - originator alias = SWIFT_Remote_Site
 - state = E (incoming transfer ended)
 - type = TRANS (transfer)

Note that this set of conditions specifies characteristics of both the originator and the destination partner.

Learning more

For detailed information on how to create and manage Decision Rules, refer to the Axway Gateway online documentation.

Links to documentation set for Axway Gateway 6.17.3:

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Creating a Local Trading Partner object

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About the Gateway Local Partner object

In the Local Trading Partner object you specify local identification information.

You use this information to communicate with remote partners.

Gateway GUI procedure

1. In the left pane of the Gateway Navigator main window, click to expand the **Partner Management** node.
2. Right-click the **Trading Partners** sub-node and from the context menu select **New**.
3. From the context menu, select the type of partner.

View available partner types

- SMIME partner
- AS1 partner
- AS2 partner
- AS3 partner
- RosettaNet partner
- SWIFTNet partner
- OFTP partner (for OFTP R2.0 security services)

When you select a partner type, Gateway displays the *Local Trading Partner* properties window. The parameters displayed depend on the type of partner (protocol).

4. Complete the fields of the Trading Partner window.

View fields for S/MIME, AS1, AS2, AS3, RosettaNet and OFTP

Field	Definition
Identification criteria	
Alias	Enter a name for the Trading Partner object to use for local identification operations. The name must be unique. Gateway stores this alias as part of the data of each Transfer Request. You can use the alias as a substitute for the partner name parameter when depositing Transfer Requests.
Format	This field displays the protocol format that you selected when creating the new Trading Partner

Field	Definition
Local Partner	Select this option (local Trading Partner object).
Name/Email	For S/MIME or AS1, enter an email address. For other protocols, enter a unique name for the Trading Partner object. Maximum: 128 characters.
Comments	<i>Optional</i> Enter a free-text description of the Trading Partner object. Maximum: 80 alphanumeric characters. This description is included in the displayed list of available Trading Partners.
Certificate/Key <i>The fields displayed depend on the type of partner and the selected options.</i>	
Use dual certificates	Click this button to toggle between the use of single or dual certificates. The effect of this button varies according to the context: If you are creating a <i>local</i> partner and you... • select Use dual certificates: A signing certificate is used to sign what is sent, and an encryption certificate is used to decrypt what is received. • do <i>not</i> select Use dual certificates: A single certificate is used to sign what is sent, and is used to decrypt what is received.
Certificate: Type	<i>This field is visible when you do not select the Use dual certificates button.</i> Select a single certificate type to handle both outgoing and incoming messages: • None • Secs alias: local Axway Gateway PKI • PassPort PS entity: for use with the PassPort PS server. Refer to the Axway PassPort documentation for details. • PassPort PS certificate: for use with the PassPort PS server. Refer to the Axway PassPort documentation for details.
Certificate: Name	<i>This field is visible when you do not select the Use dual certificates button.</i> Enter the name of the certificate to be used to handle both outgoing and incoming messages.
Certificate: Key password	<i>This field is visible when you do not select the Use dual certificates button.</i> Enter the password of the certificate key to be used to handle both outgoing and incoming messages. This parameter is not available if you select SECS ALIAS as the <i>Certificate Type</i> .

Field	Definition
Signing algo	<i>This field is visible when you select any option other than none from the Certificate: Type field.</i> Select the algorithm to use for signing: • SHA1 with RSA (default) • MD5 with RSA
Use multiple certificates	<i>Only if you are using PassPort PS</i> Select this option to use multiple certificates. Refer to the Axway PassPort documentation for details.
Advanced parameters...: Local file location for encoding/decoding Click the Advanced... button to display the following two fields. These fields enable you to specify the directory and name format of the file where transfers are processed for encoding (outgoing files) and decoding (incoming files). You may want to specify a secure directory for this file, keeping in mind that the files that are decoded in this directory can be read by malicious intruders. If you do not specify a directory, Gateway creates the files in <code><Gateway install directory>\runtime\tmp</code>	
Directory path	Enter the local physical path of the directory where transferred files are encoded and decoded.
File name pattern	Enter a specific file name format to enable you to identify the transferred file in the specified out directory.

5. Click **OK**.

Gateway creates a new Trading Partner object with the specified characteristics.

Gateway command line procedure

To create a Local Trading Partner object via the command line, use the `peladm create_tradeport` command.

For details of command line use, refer to the Axway Gateway online documentation.

Links to documentation set for Axway Gateway 6.17.3:

- [Installation](#) -- [User](#) -- [Unix Configuration](#) -- [Upgrade](#) -- [Interoperability](#) -- [Security](#), requires login -- [Release Notes](#)