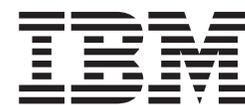


IBM Sterling Gentran:Server for Windows



# Sterling Gentran Gateway Configuration Guide

*Version 5.3.1*



IBM Sterling Gentran:Server for Windows



# Sterling Gentran Gateway Configuration Guide

*Version 5.3.1*

**Note**

Before using this information and the product it supports, read the information in "Notices" on page 13.

This edition applies to the 5.3.1 version of IBM Sterling Gentrans:Server for Microsoft Windows and to all subsequent releases and modifications until otherwise indicated in new editions.

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## Chapter 1. Sterling Gentran Gateway Overview

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### About Sterling Gentran Gateway

Gateways are software components that control the transmission of messages between two parties. The gateway is responsible for using the correct protocols to transfer messages between the sender and receiver.

The Sterling Gentran<sup>®</sup> Gateway can handle communications between two IBM<sup>®</sup> Sterling Gentran:Server<sup>®</sup> for Microsoft Windows systems.

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### Sterling Gentran Gateway Message Flow

This table describes how messages are routed from one Sterling Gentran:Server system to another.

Stage	Description
1	Messages are sent from Sterling Gentran:Server to the OutBox of the Sterling Gentran Application mailbox.
2	Sterling Gentran:Server connects to the Sterling Gentran Gateway.
3	Sterling Gentran:Server creates the appropriate message attachments and e-mail properties.
4	Sterling Gentran:Server sends message attachments and E-mail properties to the appropriate Sterling Gentran:Server Outbox on another system using the Sterling Gentran Gateway.
5	Sterling Gentran:Server routes messages to predefined recipients.

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### Sterling Gentran Gateway Mailboxes

All properties that apply to a specific mailbox are configured using mailbox properties.

When you configure a mailbox for use with the Sterling Gentran Gateway, you define the:

- Sending properties
- Receiving properties

When you configure mailbox Sending properties, you define:

- whether you want to send messages from this mailbox
- the name of the machine that you want to register
- the Sterling Gentran Gateway mailbox that you want to associate with the registered Mailbox Server Manager

When you configure mailbox Receiving properties, you define:

- whether the mailbox can receive messages
- whether you want to use the message recipient's e-mail address to further define how messages are routed
- the message recipients



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## Chapter 2. Configuring Communications

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### Gentran Mailbox Properties - Sending Tab

The Sending and Receiving tabs of the Gentran Mailbox Properties dialog box enables you to configure sending and receiving properties for this gateway.

This illustration shows an example of the Sending tab of the Gentran Mailbox Properties dialog box.



This table describes the parts of the Sending tab of the Gentran Mailbox Properties dialog box.

Part	Function
Send messages from this mailbox	Selection specifies that you want to send messages from this mailbox.  A cleared check box indicates that you do not want to send messages from this mailbox or that you want to disable previously configured sending properties.
Enter the name of the Server to register	Specifies the name of the remote Sterling Gentran:Server machine to which you want to connect. <b>Note:</b> A valid remote machine name entry populates the list as soon as you select another field in the dialog box. If there are no Sterling Gentran:Server mailboxes associated with the remote machine name, or if the machine name is invalid, the system displays a message prompt to that effect.
Enter or select an existing mailbox to register	Specifies valid Sterling Gentran:Server mailboxes associated with the remote machine. <b>Note:</b> A valid remote machine name entry populates this list with associated Sterling Gentran:Server mailboxes.

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### Gentran Mailbox Properties - Receiving Tab

The Sending and Receiving tabs of the Gentran Mailbox Properties dialog box enables you to configure sending and receiving properties for this gateway.

This illustration shows an example of the Receiving tab of the Gentran Mailbox Properties dialog box.

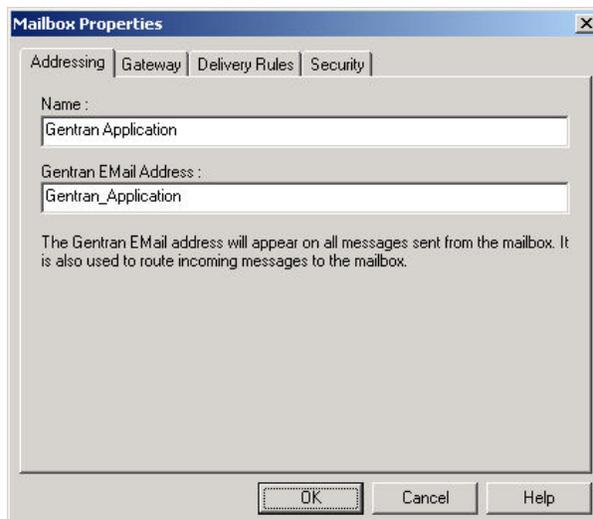


This table describes the parts of the Receiving tab of the Gentran Mailbox Properties dialog box.

Part	Function
Receive Messages into this mailbox	Specifies that you want this mailbox to receive messages.  A cleared check box indicates that you do not want to receive messages or that you want to disable previously configured receiving properties.
Messages	Specifies how you want to receive messages. Options are: <ul style="list-style-type: none"> <li>Use Recipient EMail Address on Message for Routing - specifies that you want to use recipient values defined by the sender. This value overrides recipient values defined on the Edit Recipients dialog box.</li> <li>Edit Recipients - Accesses the Edit Recipients dialog box to enable you to select message recipients for messages received.</li> </ul>

## Mailbox Properties Dialog Box - Addressing Tab

The following shows an example of the Addressing tab of the Mailbox Properties dialog box.

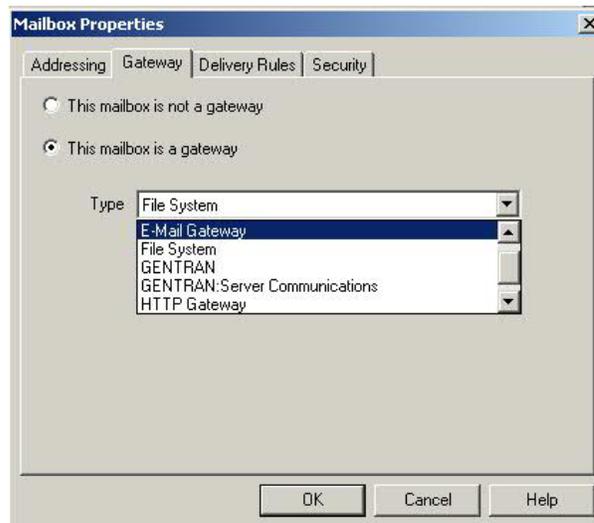


The following table describes the parts of the Addressing tab.

Part	Function
Name	Defines the name of the mailbox.
Gentran EMail Address	Defines the Sterling Gentran:Server email address for messages sent from the mailbox.

## Mailbox Properties Dialog Box - Gateway Tab

The following shows an example of the Gateway tab of the Mailbox Properties dialog box.

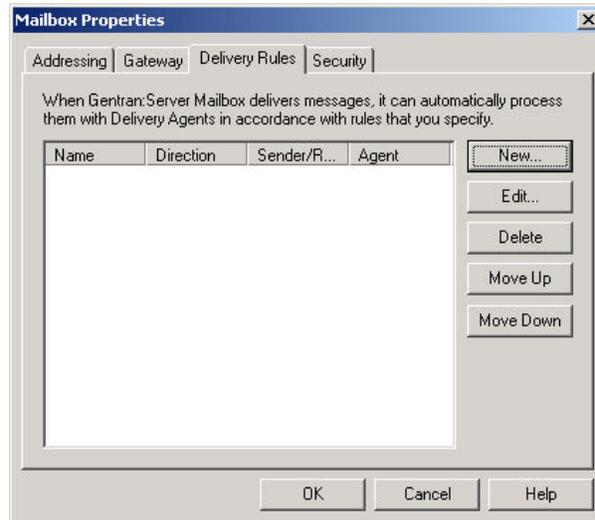


The following table describes the parts of the Gateway tab.

Part	Function
Gateway	Specifies whether the mailbox is or is not a gateway.
Type	Specifies the type of gateway. Active when "This mailbox is a gateway" is selected. Valid values are: <ul style="list-style-type: none"> <li>• Connect:Direct</li> <li>• E-Mail</li> <li>• File System</li> <li>• Gentran</li> <li>• Gentran:Server Communications</li> <li>• HTTP</li> <li>• SAP</li> </ul>
Configure	Enables you to configure properties for a selected gateway.

## Mailbox Properties Dialog Box - Delivery Rules Tab

The following shows an example of the Delivery Rules tab of the Mailbox Properties dialog box.



The following table describes the parts of the Delivery Rules tab.

Part	Function
Name	Defines the name of the delivery rule.
Direction	Identifies whether the rule is run when sending or receiving a message.
Sender/Recipient	Identifies the mailbox of the sender or recipient. The mail address can be specified in addition to the mailbox name.
Agent	Identifies the name of the delivery agent to be run.
New	Creates new delivery rules.
Edit	Edits existing delivery rules.
Delete	Deletes the selected delivery rules.
Move Up	Moves the selected delivery rule up in the processing order.
Move Down	Moves the selected delivery rule down in the processing order.

The following shows an example of the New/Edit Delivery Rule dialog box.



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## Mailbox Properties Dialog Box - Security Tab

The Security tab of the Mailbox Properties dialog box defines the level of access users have for the mailbox.

The following shows an example of the Security tab of the Mailbox Properties dialog box.



The following table describes the parts of the Security tab.

Part	Function
User list	Defines users and groups that have access to mailbox.
Type of Access	Designates level at which a user can interact with a mailbox. Values are: <ul style="list-style-type: none"><li>• Full control</li><li>• Read</li><li>• Write</li></ul>
Add	Enables you to grant mailbox access to users or groups.
Remove	Enables you to remove mailbox access for a user or group.

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## Configuration Process

This table lists the stages in which you must configure communications for use with Sterling Gentran Gateway.

Stage	Description
1	Install and configure your Sterling Gentran:Server software on the first system.
2	Create the Sterling Gentran Gateway mailboxes on the first system.
3	Install and configure your Sterling Gentran:Server software on the second system.
4	Create the Sterling Gentran Gateway mailboxes on the second system.

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## Creating Sterling Gentran Gateway Mailboxes

### About this task

Use this procedure to create Sterling Gentran Gateway mailboxes.

### Procedure

1. Start the **Mailbox Server Manager**.
2. Right-click on the **Mailboxes** folder icon and select **Create**.  
The system displays the Create Mailbox Wizard dialog box.
3. Type the name and description of the mailbox you are creating and click **Next** twice.  
The system displays a dialog asking whether you want to use the mailbox as a gateway to another messaging system.
4. Select **Yes, use this mailbox as a gateway**.
5. Select **Gentran** and click **Next**.
6. Verify that the information that you entered is correct and click **Finish**.  
The system displays the Gentran Mailbox Properties dialog box.

**Note:** If you attempt to create a mailbox and the data store is missing, the system generates an error stating that the mailbox cannot be created. Click **OK** to exit the message box and click **Cancel** to exit the Create Mailbox Wizard.

7. To configure the sending properties, do the following. To configure the receiving properties, continue with step 8.
  - a. On the Sending tab, select **Send messages from this mailbox**.
  - b. Enter the name of the remote Sterling Gentran:Server machine.
  - c. Type or select a mailbox to register.

**Note:** The mailbox that you select must be defined and configured in Sterling Gentran:Server as a Sterling Gentran Gateway mailbox. Otherwise, the information that you send to the second Sterling Gentran:Server will not be properly received into that system.

8. To configure the sending properties, do the following.
  - a. On the Receiving tab, select **Receive messages into this mailbox**.
  - b. To use the E-Mail Address value on messages received from Sterling Gentran:Server as the message recipient value, select **Use Recipient E-Mail Address on message for routing**.

**Note:** This selection overrides any values defined on the Edit Recipients dialog box.

- c. Click **Edit Recipients**.  
The system displays the Edit Recipients dialog box.
- d. Select a recipient from the list, enter a name, or select a predefined distribution list.
- e. Select the appropriate routing button (To, CC, BCC).  
The system displays the EMail Addresses dialog box.
- f. To specify an e-mail value, enter the e-mail value in the box. Click **Add**, and click **OK**.  
Repeat steps d -f for each of your recipients.
- g. Click **OK** to return to the Receiving tab dialog box.

- h. Click **OK** to save your changes and to exit the Receiving tab dialog box.

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## Modifying Mailbox Properties

This topic describes how to modify mailbox properties that were created using the Create Mailbox Wizard.

### About this task

Use this procedure to modify mailbox properties.

### Procedure

1. Start the **Mailbox Server Manager**.
2. From the Mailboxes folder, select the mailbox for which you want to add or modify properties.
3. Right-click and select **Properties**.
4. Do one of the following:
  - If you want to change the mailbox name or Sterling Gentran:Server e-mail address, click the **Addressing** tab.
  - If you want to change the mailbox gateway properties or configuration properties, click the **Gateway** tab.
  - If you want to change the mailbox delivery rules, click the **Delivery Rules** tab.
  - If you want to change the mailbox user security permissions, click the **Security** tab.
5. Make the appropriate modifications and click **OK** to save changes and exit the dialog box.



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## Chapter 3. Error Messages

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### Sterling Gentran Gateway Messages

This topic includes the error messages that Sterling Gentran Gateway writes to the Audit Log.

**Note:** If you are working with the Communications subsystem through the Mailbox Server Manager, the user interface displays messages interactively.

This table describes the Sterling Gentran Gateway error messages.

Msg ID	Message Text	Explanation	Your Action
1003	The Gentran gateway failed to start.	The Mailbox Service was not able to load the Gateway dll.	Restart your services. If this does not correct the problem, check the audit log for service errors. If neither of these actions resolve the problem, reinstall the gateway from the installation DVD.
1005	The Gentran Gateway was not able to initialize its local connection to Gentran:Server.	The gateway was not able to perform its initialization routine when the Mailbox Service was started.	
1006	Unable to create message. The server returned error code [(error code number)].	A message could not be created in the queue of the Server machine to which you are connecting.	
1007	Unable to add a recipient (Name= [(recipient name)]) to the message. The server returned error code [(error code number)].	A recipient is either invalid or has been deleted.	
1008	No recipients were successfully added to the message. The message cannot be processed.	No valid recipients were added to the message. Consequently, the message can not be sent.	Check the return code to determine why the system was unable to add a recipient and take the appropriate corrective action.
1009	Unable to modify message content type. The server returned error code [(error code number)].	The content type was not valid.	
1010	Unable to add an attachment [(attachment ID)] to the message. The server returned error code [(error code number)].	The attachment could not be added to the message.	

Msg ID	Message Text	Explanation	Your Action
1011	Error writing the file data into the attachment.	The system could not write the file. This may be due to a disk full condition or hardware problems.	
1012	Unable to send the message (id= [(ID number)]). The server returned error code [(error code number)].	The system was able to create the message and attachments and add recipients, but was unable to send the message.	
1014	Unable to open/create file [(file name)].	The system was not able to open the store file.	
1015	Unable to get attachments from message (id= [(ID number)]).	The system located a valid message, but was unable to read the attachment data. This may be caused by a corrupt disk or database.	
1016	Unable to write the attachment data to the file.	The system was not able to write the data for the attachment to disk. This could be caused by a corrupt disk or a bad database.	
1017	The Gentran Gateway was unable to read its settings. Default values will be used.	The hidden message for the properties of the gateway were not able to be read.	
1019	Unable to retrieve the local host name.	The local host name specified in the properties was not accessible.	
1020	Unable to read remote properties for mailbox (Name= [(mailbox name)]).	The local system was unable to read the properties of the remote mailbox. Either the mailbox did not exist or the properties were corrupt.	
1021	Unable to write remote properties for mailbox (Name= [(mailbox name)]).	The local system was unable to write to the properties of the remote mailbox. Either the mailbox did not exist or the properties were corrupt.	
1022	Unable to open attachment.	The system located a valid message but was unable to open the attachment data. This may be caused by a corrupt disk or database.	

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