Entire Net-Work

Using Adabas Manager

Version 7.9.4

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ADABAS & NATURAL

This document applies to Entire Net-Work Version 7.9.4 and all subsequent releases.

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

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Preface

This documentation tells you how to use Adabas Manager, a web-based graphical user interface (GUI) with which you can perform administrative tasks for Adabas, Entire Net-Work and Adabas Audit and Logging.

Adabas Manager provides browser-based administration and monitoring of Adabas databases on Linux and Windows platforms as well as system administration tasks necessary for Entire Net-Work operations.

This documentation covers the following topics:

Starting and Ending an Adabas Manager Session	Describes how to start and end an Adabas Manager session.
Common Usage Scenarios on Linux and Windows	Lists the most common ways to use Adabas Manager.
Database Administration on Mainframe	Describes how to view/modify the details, status, and parameters of a selected database.
Entire Net-Work Administration	Describes how to perform the system administration tasks necessary for Entire Net-Work operations.
Adabas Auditing	Describes how to perform the administration tasks necessary for Adabas Auditing operations.
Event Replicator Target Adapter (Target Adapter)	Describes how to use Adabas Manager to perform the administration tasks necessary for Event Replicator Target Adapter operations.

1 About this Documentation

Document Conventions

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

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2 Starting and Ending an Adabas Manager Session

How you start an Adabas Manager session depends on whether you are accessing the software locally or remotely.

Note: For security reasons, your login credentials cannot be saved.

After successfully logging on, the Adabas Manager application starts and the Adabas Manager home page is displayed.

To start a local Adabas Manager session on Windows

1 From the Windows **Start** menu, choose **All Programs >** *start menu group name* **> Administration > Adabas Manager** *n.n*.

Note: *n.n* stands for the current version number. The *start menu group name* (by default, this is "Software AG") can be changed during the installation.

The Adabas Manager login page appears in your default browser.

2 Enter your login information (local or domain user ID and password) and click the **Log In** button.

After successfully logging in, the Adabas Manager application starts.

Note: Login information could be the domain (e.g. LDAP) User-ID and password, local Operating System User-Id, and text-file user-ID. To create a text-file user-ID, execute `text_user.bat add` from *<installdir>/AdabasManager/bin* and follow the prompts.

To start a local Adabas Manager session on Linux

- Execute the script *amn.sh* located in *<installdir>/AdabasManager/bin*.

To start a local or remote Adabas Manager session via a browser on Linux or Windows

1 Open a compatible internet browser such as Microsoft Edge, Firefox or Google Chrome and open the URL *https://<hostname>:<port>*, replacing *<hostname>* with the name of the host machine on which Adabas Manager is installed and *<port>* is the "Application port number" which can be found from the parameter APP_PORT in the file *config.env* in *<installdir>/Adabas-Manager/config*.

Note: The firewall of the remote machine on which Adabas Manager is running must be configured to allow this remote access.

The Adabas Manager login page appears in your default browser.

2 Enter your login information (user ID and password for this machine) and click the **Log In** button.

Note: To create a text-file user-ID, execute `text_user.sh add` from *<installdir>/Adabas-Manager/bin* and follow the prompts.

After successfully logging in, the Adabas Manager application starts.

An Adabas Manager session can be ended in a number of ways:

1. Choose **Logout** from the user profile on the top right corner in the Adabas Manager title bar. Logging out always terminates Adabas Manager. This is the recommended method because it allows Adabas Manager to save information and release used resources before the session terminates.
2. Alternatively, close the internet browser or close the browser tab in which Adabas Manager is running.

3 Common Usage Scenarios on Linux and Windows

Adabas Manager can perform the following tasks from the Adabas Utilities page:

- To backup a database or selected files.
- To restore a database or selected files.
- To export one or more files from a database.
- To import one or more files from a database.
- To unload data from a file in a database.
- To load data into a file in a database.
- To generate an Expert Utility call.
- To copy an Adabas file from one database to another.
- To copy all user data files from one database to another.

For more information on these usage scenarios, see *Adabas Utilities* in the *Database Administration on Linux and Windows* part of the *Adabas Manager* documentation.

4 Database Administration on Mainframe

This chapter descibes how to use Adabas Manager to perform the administration tasks necessary for Adabas Mainframe operations.

System Requirements

Please refer to the documentation of *Adabas for Mainframe* > *Installation* > *System Requirements* for information about what is required to access Adabas databases on the mainframe. The Adabas databases should be found on the Software AG Directory Server (ADI). The Adabas Manager Communicator (AMC) version 2.4 or above is required by Adabas Manager to administer these Adabas mainframe databases.

There are two ways to connect the Adabas database in Mainframe from Adabas Manager (AMN).

One way is through the TCPX driver in Entire Net-Work (WCP) on Mainframe. For more details, please refer to the documentation of Entire Net-Work Mainframe 6.5.2 > *Entire Net-Work TCP/IP Option* > *Entire Net-Work TCP/IP Option Administration* > ***Simple Connection Line Driver Overview***.

In the DRIVER statement of the TCPX driver, set up the directory server host and port by specifying the parameters `ADIHOST` and `ADIPORT`, which AMC is also referring to.

For example:

```
DRIVER TCPX,
 ACCEPTUI=Y,
 API=OES,
 ADI=Y,
 ADIHOST=<adi-host>,
 ADIPORT=4952,
 SERVERID=5678
```

The second way is through ADATCP in the Adabas database nucleus. For more details, please refer to the documentation of Entire Net-Work Mainframe 6.5.2 > *Entire Net-Work TCP/IP Option* > *Entire Net-Work TCP/IP Option Administration* > ***TCPX DRIVER Statement***. In the TCPIN DD statement, provide the ADI information (`ADIHOST`, `ADIPORT`), which AMC also refers to.

For example:

```
//TCPIN DD *
ADI=Y
ADIHOST=<adi-host>
ADIPORT=4952
```

Additionally, in the Adabas Manager **Host Configuration** setup under the **AMC** tab, ensure the **ADI Hostname** and **ADI Port** contain the same values as specified in the parameters for TCPX or ADATCP (on the mainframe).

Accessing Adabas Mainframe

Click on the icon **Administer Adabas on z/OS** on the Adabas Manager home page. A list of Adabas mainframe databases is displayed.

Click on a specific database ID to view the details of the database. Stopping the database and forcing the end of PLOG and CLOG are possible. Queues (Command Queues, User Queues and Hold Queues) and Session parameters are shown on the right pane.

Users can reset all or specific interval statistics, such as **Commands**, **General Statistics**, **Time Elapsed**, **High Water Marks**, etc from the **Interval Stats** tab.

Checkpoints and User queues elements can be listed and deleted.

For better efficiency, there are filters such as **Max Elements**, **Skip Elements**, **Checkpoint Name**, and **From Date** to fetch only a subset of checkpoints. Click the **Load next <n> from Checkpoint File** button to fetch the next set of records to the web client.

To view the list of Adabas files on this database, click on the **File** menu on the left Navigation bar. In addition to displaying the details and FDT of each Adabas file, on the File List page, users can lock or unlock a file, by clicking the overflow menu (3 vertical dots) on the right of each file.

To see the Extents or Containers of this database, click on the **Container** menu below the **File** menu.

If the selected database is a clustered database, a list of nuclei is shown. Click on a specific nucleus to see the details.

To perform Adabas Utlities, click the Utility link on the navigation area and log on to AOZ server to submit mainframe JCL. The logon session is valid until the user logs out from Adabas Manager or closes the Browser.

Running Adabas Utilities on z/OS

On the page where a list of databases is listed, click the **Utility** menu on the left navigation menu and a login modal will pop up. Enter the mainframe user-id and password to connect to the *Adabas Online Services for z/OSMF Utility Server* (AOZ server).

Information on how to set up the AOZ server can be found on the Adabas for Mainframe documentation > *Release Notes* > *Enhancements* titled ***Adabas Online Services for z/OSMF Utility Server***.

After logging into the AOZ server, there are 3 tabs, namely **Configuration**, **List Members**, and **Job Outputs**.

Preparing a **Template** with **Variables** and **Replacements** on the AOZ server is a way to customize a reusable JCL to be run with different parameters, settings, steplibs, utilities, etc.

A guide called **How to run Adabas Utility via AOZ server** can be found by clicking the **light bulb** icon on the top right corner. There are steps to explain the usage of **Variables**, **Replacement**, and **Templates** on the AOZ server.

To create or edit **Variables**, **Replacement**, and **Templates** of the AOZ server, the user can select them from the drop-down list on the **Configurations** tab.

Also, to simply run any existing JCL on the mainframe, you can click the **List Members** tab, enter the name of the PDS in the **Dataset** field, and click the **Get List** button.

From the list of JCLs, you can click the **Open JCL** icon on the right of each listed JCL member.

After opening the JCL, the user can edit and overwrite it, save it as a new JCL, or simply submit it for execution.

To view the job outputs, the user can click the **Job Outputs** tab and then click the **Log** icon on the right of each job.

On the **Job Output** pop-up, users can click the **Dump** button at the bottom right corner to view the **Job Details** or click the **JCL** button to edit the JCL or submit the same JCL again.

5 Entire Net-Work Administration

This chapter descibes how to use Adabas Manager to perform the system administration tasks necessary for Entire Net-Work operations.

Note: This chapter assumes that you are familiar with the features, functions and parameters of Entire-Network and Adabas Directory Server. Please refer to the most-recent versions of the following documentation for detailed information: *Entire Net-Work Client Installation and Administration*, *Entire Net-Work Server Installation and Administration*, *Entire Net-Work Administration*, *Adabas Directory Server Administration*.

Accessing Entire Net-Work

To access Entire Net-Work

- Click on the icon **Administer Entire Net-Work** on the Adabas Manager home page.

  The Entire Net-Work start screen is displayed.

Managing Net-Work

This section describes how to manage Entire Net-Work using Adabas Manager.

The following icons are used on the Manage Net-Work page:

Icon	Meaning/Element
	Client
	Client configuration
	Server
	Kernel

The status of each element is indicated by one of the following colours:

Colour	Status
Green	On/active
Red	Off/inactive
Yellow	Error
White	Pending

To display the Manage Net-Work main page

- Click on the link **Manage Net-Work** in the header of the Entire Net-Work start screen.

  The Manage Net-Work screen is displayed.

  - Entire Net-Work Client
  - Entire Net-Work Server
  - Online Kernels
  - Online Mainframe Kernels
  - Removing an Inaccessible Server or Kernel

Entire Net-Work Client

Selecting and expanding **Entire Net-Work Client** in the navigation area shows the client servers that are attached to it, and displays a list of the client servers in the display area, together with the following information: status, client name, version, TCPIP protocol and status description. Selecting an individual client server in the navigation area displays information about it in the display area, where you can also display/modify the client configuration, parameters, trace options, and the log file.

To display the list of client servers

- Click on **Entire Net-Work Client** in the navigation area.

  The list of client servers is displayed in the display area.

  - Client Servers
  - Client Configuration

Client Servers

This section describes how to display, modify and save client server information for the following:

- Client configuration
- Parameters
- Trace option
- Log file

To display/modify the client server configuration

1. Click on **Entire Net-Work Client** and then on the client server that you want to use in the navigation area.

   The client configuration is displayed in the display area.

2 If you want to delete a client configuration, click on the waste bin icon  next to its name.

The pop-up **Delete Client Configuration** dialog box is displayed.

Click on the button **Delete** to delete the client configuration.

3 I f you want to add a new client configuration, click on the button **Add Client Configuration** in the display area.

The **Add Client Configuration** dialog box is displayed.

Enter the client configuration name in the **Configuration Name** text box, and enter the path of the configuration in the **Configuration File Path** text box.

Click on the button **Add** to add the client configuration.

4 Click on the link **Parameters** in the display area to display the parameter settings for the client server.

The parameters settings for the client server are displayed in the display area.

Click on the button **Edit** if you want to modify any of the current parameter settings.

Make the changes that you want by entering new values in the text boxes or selecting them from the drop-down lists.

Select the check box **Update all Client Configurations** if the changes are to be applied to all current client configurations.

Click on the button **Save** to save the new parameter settings.

5 Click on the link **Trace Option** in the display area to display the trace options for the client server.

The trace options for the client server are displayed in the display area.

Click on the button **Edit** if you want to modify any of the current trace options.

Note: we recommend that you perform this function only on the advice of your our support representative.

Modify the trace level parameters as requested by your our support representative.

Click on the button **Save** to save the new trace option settings.

6 Click on the link **Log File** in the display area to display the contents of the console log file for the client server.

The contents of the console log file for the client server are displayed in the display area.

Click on the button **New Log** if you want to close the current log file and start a new one.

The pop-up **Start New Log File** dialog box is displayed.

Click on the button **Start New Log** to start a new log file.

Client Configuration

This section describes how to display, modify and save client information for the following:

- Access
- Parameters
- Trace option

To display/modify the client configuration

1 Click on **Entire Net-Work Client**, then on the client server, and then on the client that you want to use in the navigation area.

The client configuration is displayed in the display area.

2 If you want to add a new client access configuration, click on the button **Add Client Access** in the display area.

The **Add Client Configuration Access** dialog box is displayed.

Define the new client access by entering values in the text boxes or selecting them from the drop-down lists.

Click on the button **Add** to add the new client access configuration.

3 If you want to edit a client configuration, click on the edit icon next to its name.

Make the changes that you want by entering new values in the text boxes or selecting them from the drop-down lists.

Click on the button **Save** to save the modified client access configuration settings.

4 If you want to delete a client access configuration, click on the waste bin icon next to its name.

The pop-up **Delete Client Configuration Access** dialog box is displayed.

Click on the button **Delete** to delete the client access configuration.

5 Click on the link **Parameters** in the display area to display the parameter settings for the client.

The parameters settings for the client are displayed in the display area; the parameters are grouped according to their function (client configuration parameters, directory server parameters, ADASAF parameters, and LNK user exit parameters).

Click on the edit icon  in the header above a group display if you want to modify any of the current parameter settings of that group.

Make the changes that you want by entering new values in the text boxes or selecting them from the drop-down lists.

Click on the save icon  in the header above a group display to save the new parameter settings.

6 Click on the link **Trace Option** in the display area to display the trace options for the client.

The trace options for the client are displayed in the display area.

Click on the button **Edit** if you want to modify any of the current trace options.

Note: we recommend that you perform this function only on the advice of your our support representative.

Modify the trace level parameters as requested by your our support representative.

Click on the button **Save** to save the new trace option settings.

Entire Net-Work Server

Selecting and expanding **Entire Net-Work Server** in the navigation area shows the servers that are attached to it, and displays a list of the servers in the display area, together with the following information: status, server name, version, TCPIP protocol and status description. Selecting an individual server in the navigation area displays information about it in the display area, where you can also display/modify the kernel list, parameters, trace options, and the log file.

To display the list of servers

- Click on **Entire Net-Work Server** in the navigation area.

  The list of servers is displayed in the display area.

  - Servers

- Kernels

Servers

This section describes how to display, modify and save server information for the following:

- Kernels
- Parameters
- Trace option
- Log file

To display/modify the server configuration

1 Click on **Entire Net-Work Server** and then on the server that you want to use in the navigation area.

The server configuration/kernel list is displayed in the display area.

2 Click on the button **Add Kernel** in the display area if you want to add a new kernel to the server. The pop-up **Add kernel** dialog box is displayed. Define the new kernel by entering values in the text boxes or selecting them from the drop-down lists. Click on the button **Add** to add the new kernel.

3 If you want to stop a running kernel, click on the stop icon  in the column **Start/Stop** next to its name.

The pop-up **Stop Net-Work kernel** dialog box is displayed.

Click on the button **Stop** to stop the kernel.

4 If you want to start a Net-Work kernel that is offline, click on the start icon  in the column **Start/Stop** next to its name

The pop-up **Start Net-Work kernel** dialog box is displayed.

Click on the button **Start** to start the kernel.

5 If you want to delete a kernel from the server configuration, click on the waste bin icon  next to its name.

The pop-up **Delete Net-Work kernel** dialog box is displayed.

Click on the button **Delete** to delete the kernel from the server configuration.

Note: You can only delete kernels that are offline.

6 Click on the link **Parameters** in the display area to display the parameter settings for the server.

The parameters settings for the server are displayed in the display area.

Click on the button **Edit** if you want to modify any of the current parameter settings.

Make the changes that you want by entering new values in the text boxes or selecting them from the drop-down lists.

Select the check box **Update all kernels** if the changes are to be applied to all kernels.

Click on the button **Save** to save the new parameter settings.

7 Click on the link **Trace Option** in the display area to display the trace options for the server.

The trace options for the server are displayed in the display area.

Click on the button **Edit** if you want to modify any of the current trace options.

Note: we recommend that you perform this function only on the advice of your our support representative.

Modify the trace level parameters as requested by your our support representative.

Click on the button **Save** to save the new trace option settings.

8 Click on the link **Log File** in the display area to display the contents of the console log file for the server.

The contents of the console log file for the server are displayed in the display area.

Click on the button **New Log** if you want to close the current log file and start a new one.

The pop-up **Start New Log File** dialog box is displayed.

Click on the button **Start New Log** to start a new log file.

Kernels

This section describes how to display, modify and save kernel information for the following:

- Kernel access
- Parameters
- Statistics
- Databases
- Connections

- Clients
- Access status
- Trace option
- Log file

To display/modify kernel configurations

1 Click on **Entire Net-Work Server**, then on the server, and then on the kernel that you want to use in the navigation area. Alternatively, you can click on the kernel in the display area.

The kernel access configuration (server access, client access, and configuration) is displayed in the display area.

2 Click on the edit icon  in the column **Action** if you want to modify any of the current access settings of the server. The pop-up **Edit Server Access** dialog box is displayed. Make the changes that you want by entering new values in the text boxes or selecting them from the drop-down lists. Click on the save icon  to save the new access settings.

If you want to delete a server access configuration, click on the waste bin icon  next to its name. The pop-up **Delete Server Access** dialog box is displayed. Click on the button **Delete** to delete the server access.

3 Click on the edit icon  in the column **Action** if you want to modify any of the current access settings of the client. The pop-up **Edit Client Access** dialog box is displayed. Make the changes that you want by entering new values in the text boxes or selecting them from the drop-down lists. Click on the save icon  to save the new access settings.

If you want to delete a client access configuration, click on the waste bin icon  next to its name. The pop-up **Delete Client Access** dialog box is displayed. Click on the button **Delete** to delete the client access.

4 Click on the edit icon  in the column **Action** if you want to modify any of the current access settings of a connection. The pop-up **Edit Connection Access** dialog box is displayed. Make the changes that you want by entering new values in the text boxes or selecting them from the drop-down lists. Click on the save icon  to save the new access settings.

If you want to delete a connection access configuration, click on the waste bin icon  next to its name. The pop-up **Delete Connection Access** dialog box is displayed. Click on the button **Delete** to delete the connection.

5 Click on the link **Parameters** in the display area to display the parameter settings for the kernel.

The parameters settings for the server are displayed in the display area.

Click on the edit icon  in the header above a group display if you want to modify any of the current parameter settings of that group.

Note: You can only edit parameter settings for kernels that are offline.

Click on the edit icon  next to the name of the parameter that you want to modify.

Make the change that you want by entering a new value in the text box or selecting it from the drop-down list.

Click on the button **Save** to save the new parameter settings.

6 Click on the link **Statistics** in the display area to display the statistics for the kernel session.

Note: You can only display statistics for kernels that are online.

Select the check box **Set detailed statistics** if you want to collect and save more detailed statistics for the kernel. The pop-up **Change Kernel Stats Level Online** dialog box is displayed. Click on the button **Enable** to kernel detailed statistics.

7 Click on the link **Databases** in the display area to display information about the databases attached to the kernel.

Note: You can only display database information for kernels that are online.

8 Click on the link **Connections** in the display area to display information about the outgoing and incoming connections of the kernel.

Click on the button **Add** in the display area if you want to add a new connection to the kernel. The pop-up **Add Connection Online** dialog box is displayed. Define the new connection by entering values in the text boxes or selecting them from the drop-down lists. Click on the button **Add** to add the new connection.

9 Click on the link **Clients** in the display area to display information about the clients associated with the kernel.

10 Click on the link **Access Statistics** in the display area to display information about the kernel's access statistics.

11 Click on the link **Trace Option** in the display area to display the trace options for the kernel.

The trace options for the kernel are displayed in the display area.

Click on the button **Edit** if you want to modify any of the current trace options.

Note: we recommend that you perform this function only on the advice of your our support representative.

Modify the trace level parameters as requested by your our support representative.

Click on the button **Save** to save the new trace option settings.

12 Click on the link **Log File** in the display area to display the contents of the console log file for the kernel.

The contents of the console log file for the kernel are displayed in the display area.

Click on the button **New Log** if you want to close the current log file and start a new one.

The pop-up **Start New Log File** dialog box is displayed.

Click on the button **Start New Log** to start a new log file.

Click on the button **Dump** if you want to dump the kernel configuration to the log file. The pop-up **Dump Configuration of Kernel** dialog box is displayed. Click on the button **Dump Configuration** to dump the kernel configuration to the log file.

Online Kernels

This section describes how to display, modify and save online kernel information for the following:

- Kernel access
- Parameters
- Statistics
- Databases
- Connections
- Clients
- Access status
- Trace option
- Log file

To display/modify kernel configurations

1 Click on the online kernel that you want to use in the navigation area.

The kernel access configuration (server access, client access, and configuration) is displayed in the display area.

2 Click on the edit icon  in the column **Action** if you want to modify any of the current access settings of the server. The pop-up **Edit Server Access** dialog box is displayed. Make the changes that you want by entering new values in the text boxes or selecting them from the drop-down lists. Click on the save icon  to save the new access settings.

If you want to delete a server access configuration, click on the waste bin icon  next to its name. The pop-up **Delete Server Access** dialog box is displayed. Click on the button **Delete** to delete the server access.

3 Click on the edit icon  in the column **Action** if you want to modify any of the current access settings of the client. The pop-up **Edit Client Access** dialog box is displayed. Make the changes that you want by entering new values in the text boxes or selecting them from the drop-down lists. Click on the save icon  to save the new access settings.

If you want to delete a client access configuration, click on the waste bin icon  next to its name. The pop-up **Delete Client Access** dialog box is displayed. Click on the button **Delete** to delete the client access.

4 Click on the edit icon  in the column **Action** if you want to modify any of the current access settings of a connection. The pop-up **Edit Connection Access** dialog box is displayed. Make the changes that you want by entering new values in the text boxes or selecting them from the drop-down lists. Click on the save icon  to save the new access settings.

If you want to delete a connection access configuration, click on the waste bin icon  next to its name. The pop-up **Delete Connection Access** dialog box is displayed. Click on the button **Delete** to delete the connection.

5 Click on the link **Parameters** in the display area to display the parameter settings for the kernel.

The parameters settings for the kernel are displayed in the display area.

Click on the edit icon  in the header above a group display if you want to modify any of the current parameter settings of that group.

Note: You can only edit parameter settings for kernels that are offline.

Click on the edit icon  next to the name of the parameter that you want to modify.

Make the change that you want by entering a new value in the text box or selecting it from the drop-down list.

Click on the button **Save** to save the new parameter settings.

6 Click on the link **Statistics** in the display area to display the statistics for the kernel session.

Note: You can only display statistics for kernels that are online.

Select the check box **Set detailed statistics** if you want to collect and save more detailed statistics for the kernel. The pop-up **Change Kernel Stats Level Online** dialog box is displayed. Click on the button **Enable** to kernel detailed statistics.

7 Click on the link **Databases** in the display area to display information about the databases attached to the kernel.

Note: You can only display database information for kernels that are online.

8 Click on the link **Connections** in the display area to display information about the outgoing and incoming connections of the kernel.

Click on the button **Add** in the display area if you want to add a new connection to the kernel. The pop-up **Add Connection Online** dialog box is displayed. Define the new connection by entering values in the text boxes or selecting them from the drop-down lists. Click on the button **Add** to add the new connection.

9 Click on the link **Clients** in the display area to display information about the clients associated with the kernel.

10 Click on the link **Access Statistics** in the display area to display information about the kernel's access statistics.

11 Click on the link **Trace Option** in the display area to display the trace options for the kernel.

The trace options for the kernel are displayed in the display area.

Click on the button **Edit** if you want to modify any of the current trace options.

Note: we recommend that you perform this function only on the advice of your our support representative.

Modify the trace level parameters as requested by your our support representative.

Click on the button **Save** to save the new trace option settings.

12 Click on the link **Log File** in the display area to display the contents of the console log file for the kernel.

The contents of the console log file for the kernel are displayed in the display area.

Click on the button **New Log** if you want to close the current log file and start a new one.

The pop-up **Start New Log File** dialog box is displayed.

Click on the button **Start New Log** to start a new log file.

Click on the button **Dump** if you want to dump the kernel configuration to the log file. The pop-up **Dump Configuration of Kernel** dialog box is displayed. Click on the button **Dump Configuration** to dump the kernel configuration to the log file.

Online Mainframe Kernels

This section describes how to display, modify and save online mainframe kernel information for the following:

- zIIP
- Parameters
- TCPX Driver
- TCPI Driver
- CTCA Driver
- FCTC

To display/modify mainframe kernel configurations

1 Click on the online kernel that you want to use in the navigation area.

You will be asked to authenticate access to the kernel by entering your mainframe credentials. Following successful authentication, the zIIP data for the Net-Work Address Space, the Net-Work Enclave and the User zIIP Counters is displayed in the display area.

2 Click on the link **Parameters** in the display area to display the parameter settings for the kernel.

The parameter settings for the kernel are displayed in the display area.

Click on the **EDIT** button if you want to modify any of the current parameter settings for the kernel.

Make the changes that you want by entering new values in the text box or selecting it from the drop-down list.

Click on the**Save** button to save the new parameter settings.

3 Click on the link **TCPX Driver** in the display area to display the statistics for the TCPX Driver.

The statistics for the TCPX driver are displayed in the display area.

Click on the **Close TCPX Driver** button to close the TCPX driver. The Closing TCPX Driver dialog is displayed. Click on the Close Driver button to close the driver.

Click on the link **Parameters** in the display area to display the parameters of the TCPX driver. The parameter settings for the driver are displayed in the display area.

Click on the **EDIT** button if you want to modify any of the current parameter settings for the TCPX driver.

Make the changes that you want by entering new values in the text box or selecting it from the drop-down list.

Click on the**Save** button to save the new parameter settings.

Click on the link Links in the display area to display information about the links of the TCPX driver. The information is displayed in the display area.

Click on the 3 dots in the column **Actions** next to the name of a link to select and perform one of the following actions: close, connect, disconnect, show parameter, show statistics. If you select **Show Parameter**, you also have the option to edit and save the settings of the link.

4 Click on the link **TCPI Driver** in the display area to display the statistics for the TCPI Driver.

The statistics for the TCPI driver are displayed in the display area.

Click on the **Close TCPI Driver** button to close the TCPI driver. The Closing TCPI Driver dialog is displayed. Click on the Close Driver button to close the driver.

Click on the link **Parameters** in the display area to display the parameters of the TCPI driver. The parameter settings for the driver are displayed in the display area.

Click on the **EDIT** button if you want to modify any of the current parameter settings for the TCPI driver.

Make the changes that you want by entering new values in the text box or selecting it from the drop-down list.

Click on the**Save** button to save the new parameter settings.

Click on the link Links in the display area to display information about the links of the TCPI driver. The information is displayed in the display area.

Click on the 3 dots in the column **Actions** next to the name of a link to select and perform one of the following actions: close, connect, disconnect, show parameter, show statistics. If you select **Show Parameter**, you also have the option to edit and save the settings of the link.

5 Click on the link **CTCA Driver** in the display area to display the statistics for the CTCA Driver.

The statistics for the CTCA driver are displayed in the display area.

Click on the **Close CTCA Driver** button to close the CTCA driver. The Closing CTCA Driver dialog is displayed. Click on the Close Driver button to close the driver.

Click on the link **Parameters** in the display area to display the parameters of the CTCA driver. The parameter settings for the driver are displayed in the display area.

Click on the **EDIT** button if you want to modify any of the current parameter settings for the CTCA driver.

Make the changes that you want by entering new values in the text box or selecting it from the drop-down list.

Click on the**Save** button to save the new parameter settings.

Click on the link Links in the display area to display information about the links of the CTCA driver. The information is displayed in the display area.

Click on the 3 dots in the column **Actions** next to the name of a link to select and perform one of the following actions: close, connect, disconnect, show parameter, show statistics. If you select **Show Parameter**, you also have the option to edit and save the settings of the link.

6 Click on the link **FCTC Driver** in the display area to display the statistics for the FCTC Driver.

The statistics for the FCTC driver are displayed in the display area.

Click on the **Close FCCT Driver** button to close the FCTF driver. The Closing FCTC Driver dialog is displayed. Click on the Close Driver button to close the driver.

Click on the link **Parameters** in the display area to display the parameters of the FCTC driver. The parameter settings for the driver are displayed in the display area.

Click on the **EDIT** button if you want to modify any of the current parameter settings for the FCTC driver.

Make the changes that you want by entering new values in the text box or selecting it from the drop-down list.

Click on the**Save** button to save the new parameter settings.

Click on the link Links in the display area to display information about the links of the FCTC driver. The information is displayed in the display area.

Click on the 3 dots in the column **Actions** next to the name of a link to select and perform one of the following actions: close, connect, disconnect, show parameter, show statistics. If you select **Show Parameter**, you also have the option to edit and save the settings of the link.

7 Click on the link **XCFD Driver** in the display area to display the statistics for the XCFD Driver.

The statistics for the XCFD driver are displayed in the display area.

Click on the **Close XCFD Driver** button to close the XCFD driver. The Closing XCFD Driver dialog is displayed. Click on the Close Driver button to close the driver.

Click on the link **Parameters** in the display area to display the parameters of the XCFD driver. The parameter settings for the driver are displayed in the display area.

Click on the **EDIT** button if you want to modify any of the current parameter settings for the XCFD driver.

Make the changes that you want by entering new values in the text box or selecting it from the drop-down list.

Click on the**Save** button to save the new parameter settings.

Click on the link Links in the display area to display information about the links of the XCFD driver. The information is displayed in the display area.

Click on the 3 dots in the column **Actions** next to the name of a link to select and perform one of the following actions: close, connect, disconnect, show parameter, show statistics. If you select **Show Parameter**, you also have the option to edit and save the settings of the link.

8 Click on the link **Trace Option** in the display area to display the trace options for the kernel.

The trace options for the kernel are displayed in the display area.

Click on the button **Edit** if you want to modify any of the current trace options.

Note: we recommend that you perform this function only on the advice of your our support representative.

Modify the trace level parameters as requested by your our support representative.

Click on the button **Save** to save the new trace option settings.

Removing an Inaccessible Server or Kernel

When a server attached to the Entire Net-Work Client or Server, an online kernel, or an online mainframe kernel becomes inaccessible, you can delete that server or kernel from the navigation area and the ADI (Adabas Directory Server).

To remove an affected server or kernel, right-click on it and select **Remove Node**.

This action permanently removes the affected resource and its associated entries in the ADI.

Managing ADI (Directory Server)

This section describes how to manage ADI (Adabas Directory Server) using Adabas Manager.

The following icons are used on the Manage ADI page:

Icon	Meaning/Element
	Partition
	Target

To display the ADI main page

- Click on the link **Manage ADI** in the header of the Entire Net-Work main page.

  The ADI screen is displayed. From this screen you can display and modify information about partitions and targets.

  - Managing Partitions
  - Managing Targets

Managing Partitions

To display/modify partition configurations

1. Click on the partition that you want to use in the navigation area.

   The targets for that partition are displayed in the display area.
2. Click on the button **Add Target** in the display area if you want to add a new target to the partition. The pop-up **Add Target** dialog box is displayed. Define the new target by entering values in the text boxes or selecting them from the drop-down lists. Click on the button **Add** to add the new target.

Managing Targets

To display/modify target configurations

1. Click on the target that you want to use in the navigation area.

   The target configuration is displayed in the display area.
2. Click on the button **Add Qualifier** in the display area if you want to add a new qualifier to the target. The pop-up **Add Qualifier** dialog box is displayed. Define the new qualifier by

entering values in the text boxes or selecting them from the drop-down lists. Click on the button **Add** to add the newqualifier.

3 Click on the button **Delete Target** in the display area if you want to delete a target definition from the partition. The pop-up **Confirm Delete** dialog box is displayed. Click on the button **Delete** to delete the target definition.

4 Click on the edit icon  in the column **Action** if you want to modify any of the current settings of a target. The pop-up **Edit Qualifier** dialog box is displayed. Make the changes that you want by entering new values in the text boxes or selecting them from the drop-down lists. Click on the Save button to save the new qualifier settings.

If you want to delete a qualifier from a target, click on the waste bin icon  next to its name. The pop-up **Confirm Delete** dialog box is displayed. Click on the button **Delete** to delete the qualifier.

6 Adabas Auditing

This chapter describes how to use Adabas Manager to perform the administration tasks necessary for Adabas Auditing operations.

System Requirements

Please refer to the documentation of *Adabas Auditing on Mainframe > Installation > System Requirements* for information on what is required to set up Adabas Auditing Server on the mainframe.

Accessing Adabas Auditing

To access Adabas Auditing

- Click on the icon **Administer Adabas Auditing** on the Adabas Manager home page.

  The Adabas Auditing overview screen is displayed.

  From the overview page you can manage subscriptions, destinations, format buffers, and filters.

  The overview page consists of 4 panels, one each for subscriptions, destinations, format buffers, and filters. Each panel displays of list of the known objects of a given type, if objects of that type exist, together with some information about each object.

  - Managing Destinations
  - Managing Filters
  - Managing Format Buffers
  - Managing Subscriptions

Managing Destinations

This section describes how to manage destinations using Adabas Manager.

- Creating a new Destination
- Modifying a Destination

- Deleting a Destination

Creating a new Destination

To create a new destination

1 Click on the plus icon (+) in the Destinations panel of the overview page.

Or:

Click on the link **Create New** from the Destinations drop-down menu.

Or:

Click on the link **Create New** in the Destinations navigation area, if it is open.

The Create Destination dialog is displayed.

2 There are two destination types available - AUDIT and NULL. Click on the radio button of the destination type that you want to create.

3 Enter the name for the destination in the text box **Name**. The name must be between 1 and 8 characters long. Only alphanumeric characters are allowed.

4 Select the options that you want to use from the list boxes **Active at start up** and **Open at start up**.

5 If the destination type is AUDIT, click on the **SAVE** button to save the new destination.

Or:

If the destination type is NULL, continue as described below.

6 Enter a value for the architecture in the field **Architecture**. Valid values are 0, 1, and 2.

7 Enter a value for the commit threshold in the filed **Commit Threshold**. Valid values are between 0 and 2147483647, the default is 5.

8 Enter a value for the maximum output size in the field **Max Output Size**. Valid values are between 0 and 2147483647, the default is 0.

9 Click on the **Save** button to save the new destination.

Modifying a Destination

To modify a destination

1 Click on the name of the destination that you want to modify in the list in the Destinations panel of the overview page.

Or:

Click on the name of the destination from the Destinations drop-down menu.

Or:

Click on the name of the destination in the Destinations navigation area, if it is open.

The details of the destination are loaded in the data area.

2 Click on the button **Edit** in the data area. You can now edit the destination as described in the section *Creating a new Destination*.

3 Once you have made all of the changes that you want, click on the **Save** button in the data area to save the modified destination.

Deleting a Destination

To delete a destination

1 Click on the name of the destination that you want to delete in the list in the Destinations panel of the overview page.

Or:

Click on the name of the destination from the Destinations drop-down menu.

Or:

Click on the name of the destination in the Destinations navigation area, if it is open.

The details of the destination are loaded in the data area.

2 Click on the Delete button in the data area.

The pop-up **Delete Destination** dialog box is displayed.

3 Click on the button **Yes, delete destination** to delete the destination.

Managing Filters

This section describes how to manage buffers using Adabas Manager.

- Creating a new Filter
- Modifying a Filter
- Deleting a Filter

Creating a new Filter

To create a new filter

1 Click on the plus icon (+) in the Filters panel of the overview page.

Or:

Click on the link **Create New** from the Filters drop-down menu.

Or:

Click on the link **Create New** in the Filters navigation area, if it is open.

The Create new Filter dialog is displayed.

2 Enter the name for the filter in the text box **Name**. The name must be between 1 and 8 characters long. Only alphanumeric characters are allowed.

3 Select the type of filter that you want to create (Exclude or Include) from the drop-down list Type.

4 Click on the **Save** button to save the new filter.

Or:

Click on the **New "OR" Group** button to add an OR group to the filter. In this case, the Create New Condition dialog is displayed.

Enter the values that you want to use for the source and target, select the condition that is to apply from the Condition drop-down list, and then click on the **Save** button to save the new filter.

5 Once you have saved the filter, you can add/delete further OR groups, as well as add/delete AND conditions

Modifying a Filter

To modify a filter

1 Click on the name of the filter that you want to modify in the list in the Filters panel of the overview page.

Or:

Click on the name of the filter from the Filters drop-down menu.

Or:

Click on the name of the filter in the Filters navigation area, if it is open.

The details of the filter are loaded in the data area.

2 Click on the button **Edit** in the data area. You can now edit the filter as described in the section *Creating a new Filter*.

3 Once you have made all of the changes that you want, click on the **Save** button in the data area to save the modified filter.

Deleting a Filter

To delete a filter

1 Click on the name of the filter that you want to delete in the list in the Filters panel of the overview page.

Or:

Click on the name of the filter from the Filters drop-down menu.

Or:

Click on the name of the filter in the Filters navigation area, if it is open.

The details of the filter are loaded in the data area.

2 Click on the Delete button in the data area.

The pop-up **Delete Filter** dialog box is displayed.

3 Click on the button **Yes, delete filter** to delete the filter.

Managing Format Buffers

This section describes how to manage buffers using Adabas Manager.

- Creating a new Format Buffer
- Modifying a Format Buffer
- Deleting a Format Buffer

Creating a new Format Buffer

To create a new format buffer

1 Click on the plus icon (+) in the Format Buffers panel of the overview page.

Or:

Click on the link **Create New** from the Format Buffers drop-down menu.

Or:

Click on the link **Create New** in the Format Buffers navigation area, if it is open.

The Create Format Buffer dialog is displayed.

2 Enter the name for the format buffer in the text box **Format Buffer Name**. The name must be between 1 and 8 characters long. Only alphanumeric characters are allowed.

3 There are two format buffer source options available - Predict Input and Data Definition Module (DDM). Click on the radio button of the option that you want to use. Click on the **Next** button to continue.

The Create Format Buffer Source dialog is displayed.

4 If the source option is Predict Input, select the Predict location that you want to use from the Predict Location drop-down list, then select the file that you want to use from the Predict File drop-down list. Click on the **Next** button to continue.

The list of Adabas fields from the selected Predict file is displayed in the data area. Select the fields that you want to include in the format buffer (by default all fields are selected), then click on the **Next** button to continue.

The Create Format Buffer GFFT dialog is displayed.

5 If the source option is Data Definition Module (DDM), browse to the location of the DDM file that you want to use, select the file, then click on the **Open** button. Click on the **Next** button to continue.

The list of Adabas fields from the selected DDM file is displayed in the data area. Select the fields that you want to include in the format buffer (by default all fields are selected), then click on the **Next** button to continue.

The Create Format Buffer GFFT dialog is displayed.

6 Select the options that you want to use (Read Only, Key, CharSet). If a field is an MU or PE field, you can also select MUOcc, MUStart, PEOcc and PEStart.

7 Click on the **Create** button to create the new format buffer.

Modifying a Format Buffer

To modify a format buffer

1 Click on the name of the format buffer that you want to modify in the list in the Format Buffers panel of the overview page.

Or:

Click on the name of the format buffer from the Format Buffers drop-down menu.

Or:

Click on the name of the format buffer in the Format Buffers navigation area, if it is open.

The details of the format buffer are loaded in the data area.

2 Click on the button **Edit** in the data area. You can now edit the format buffer as described in the section *Creating a new Format Buffer*.

3 Once you have made all of the changes that you want, click on the **Save** button in the data area to save the modified format buffer.

Deleting a Format Buffer

To delete a format buffer

1 Click on the name of the format buffer that you want to delete in the list in the Format Buffers panel of the overview page.

Or:

Click on the name of the format buffer from the Format Buffers drop-down menu.

Or:

Click on the name of the format buffer in the Format Buffers navigation area, if it is open.

The details of the format buffer are loaded in the data area.

2 Click on the Delete button in the data area.

The pop-up **Delete Format Buffer** dialog box is displayed.

3 Click on the button **Yes, delete format buffer** to delete the format buffer.

Managing Subscriptions

This section describes how to manage subscriptions using Adabas Manager.

- Creating a new Subscription
- Modifying a Subscription
- Deleting a Subscription

Creating a new Subscription

To create a new subscription

1 Click on the plus icon (+) in the Subscriptions panel of the overview page.

Or:

Click on the link **Create New** from the Subscriptions drop-down menu.

Or:

Click on the link **Create New** in the Subscriptions navigation area, if it is open.

The Create Subscription Definition Parameters dialog is displayed.

2 Enter the name for the subscription in the text box **Name**. The name must be between 1 and 8 characters long. Only alphanumeric characters are allowed.

3 Enter a description of the subscription in the text box **Description**.

4 Select the subscription status from the **Subscription Status** drop-down list.

5 Select a format buffer from the **Request Info Format Buffer** drop-down list.

6 Select a format buffer from the **Client Info Format Buffer** drop-down list.

7 Click on the **Next** button. The Create Subscription Destinations dialog is displayed.

8 Select a destination by ticking the check box next to its name in the list **All Available Destination(s)**. Click on the blue right arrow icon to move the destination to the list **All Selected Destination(s)**. Tick the check box in the top left of the **All Available Destination(s)** list if you want to select all available destinations, then click on the blue right arrow icon to move the destinations to the list **All Selected Destination(s)**. You can remove a destination from the list **All Selected Destination(s)** by ticking the check box next to its name, and then clicking on the blue left arrow icon.

9 Once you have selected one or more destinations, click on the Next button. The Create Subscription Subscription Files dialog is displayed.

10 Click on the **SFile** button to add a new subscription file. Enter the database ID and the file number in the fields **DBID** and **File**. Select a filter from the **Filter** drop-down list. Select a format buffer from the **Format Buffer** drop-down list.

You can remove an Sfile from the definition of the subscription by clicking on the waste basket icon () next to the file in the list of subscription files.

11 Click on the **SAVE** button to save the new subscription.

Modifying a Subscription

To modify a subscription

1 Click on the name of the subscription that you want to modify in the list in the Subscriptions panel of the overview page.

Or:

Click on the name of the subscription from the Subscriptions drop-down menu.

Or:

Click on the name of the Subscription in the Subscriptions navigation area, if it is open.

The details of the subscription are loaded in the data area.

2 Click on the button **Edit** in the data area. You can now edit the subscription as described in the section *Creating a new Subscription*.

3 Once you have made all of the changes that you want, click on the **Save** button in the data area to save the modified destination.

Deleting a Subscription

To delete a subscription

1 Click on the name of the subscription that you want to delete in the list in the Subscription panel of the overview page.

Or:

Click on the name of the subscription from the Subscriptions drop-down menu.

Or:

Click on the name of the subscription in the Subscriptions navigation area, if it is open.

The details of the subscription are loaded in the data area.

2 Click on the Delete button in the data area.

The pop-up **Delete Subscription** dialog box is displayed.

3 Click on the button **Yes, delete subscription** to delete the subscription.

7 Event Replicator Target Adapter (Target Adapter)

This document describes how to use Adabas Manager to perform the administration tasks necessary for Event Replicator Target Adapter operations.

System Requirements

Please refer to the documentation of *Event Replicator Target Adapter* > *Installing Event Replicator Target Adapter* > *System Requirements* for information on what is required to set up the Target Adapter.

Accessing Target Adapter

To access Target Adapter

- Click on the icon **Event Replicator Target Adapter** on the Adabas Manager home page. If there is no Target Adapter Host configured, the **Host Configuration** modal will appear. Enter the host name, port number of the Target Adapter REST Server

The menu items are divided into two parts, those under **Target Adapter** and those under **Configuration File**.

Items under Target Adapter are:

- **Administration**

  Overview Information, **Startup/shutdown** of Target Adapter, **Ports** and **License** Key administration functions are available in the **Administration** section.

- **Active Configurations (Online Only)**

  The definitions that are currently active in the Target Adapter. Only appear when the Target Adapter is online.

- **Metrics (Online Only)**

  Metrics contain the statistics of Sources, Targets and the Engine and provides the function to Start/Stop Sources too. Only appear when the Target Adapter is online.

- **Log Files**

  Provides the available list of log files related to the Target Adapter according to their category.

- **Context**

  Context section is for viewing, backing up or restoring the configuration file. Changes to the configuration file, like **Restore** or **Reset** can only be done when the Target Adapter is offline.

Items under Configuration File:

They are basically various Target Adapter definitions, such as **Engine**, **Repository**, **Filters**, **Sources**, **Targets**, **User Targets** and **Target Database Options** on the left navigation bar.

In general, these Target Adapter definitions can be added, edited, renamed and deleted. To add a definition, click the "+" icon on the top right corner on the list page. To rename a definition, click the pencil icon on the same row of the definition. To edit the details of a definition, click the pencil icon on the top right corner while on the details page. To delete the definition, click the 'dustbin' icon on the top right corner while on the details page.

Note: When changes are made, they will not take effect until the Target adapter is **restarted**.

- **Engine**

  Allows viewing and updating of Engine parameters.

- **Repository**

  Allows you to maintain the settings for the persistent store.

  The Event Replicator Target Adapter repository is used as a persistent store to save:

  - Information sent to it by the Event Replicator Server
  - Generated XSLT files

- **Filters**

  Allows you to add, view, update, rename or delete Filters definitions.

  Transactions that meet the requirements set by filter definitions are not processed by the Event Replicator Target Adapter (they are filtered out).

- **Sources**

  Allows you to add, view, update or delete Sources definitions.

  The Event Replicator Target Adapter supports two types of sources through which replicated data can be submitted to your RDBMS databases and web services: webMethods EntireX and WebSphere MQ (MQSeries). Before you can use the Event Replicator Target Adapter, you must set up a source definition for every unique webMethods EntireX or WebSphere MQ data source you will be using to retrieve the replicated data for your Event Replicator Target Adapter targets.

  There is also the option to configure Global Source Configurations for EntireX Communicator and Websphere MQ.

- **Targets**

  Allows you to add, view, update or delete Targets definitions.

The Event Replicator Target Adapter supports several types of targets to which replicated data can be submitted: JMS, RDBMS databases, Adabas, Terracotta (caches and database server) and web services. Before you can use the Event Replicator Target Adapter, you must set up a target definition for every unique target you intend to use for the replicated data the Event Replicator Target Adapter processes. These definitions provide Event Replicator Target Adapter with the information it needs to access your target and to communicate with Event Replicator for Adabas via webMethods EntireX or WebSphere MQ.

- **User Targets**

  Allows you to add, view, update or delete User Targets definitions.

  In addition to predefined Target Type, you can defined customer Target Type here.

- **Target Database Options**

  Allows you to add, view, update or delete Target Database Options definitions.

  Here, you can create option definitions for the target databases you have defined.