

# Introduction

This section of the documentation describes the functionality of Adabas Manager and introduces the new functionality for administering open systems databases in addition to Adabas mainframe databases.

The following topics are covered:

- What You Can Do with Adabas Manager
  - Workbench Functionality
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## What You Can Do with Adabas Manager

Adabas Manager replaces the Basic Services component of the Adabas Online System and includes functions comparable to the Adabas operator commands and utilities.

Version 7.7 of Adabas Manager also provides the full functionality of the DBA Workbench tool and supports the administration and monitoring of Adabas databases on mainframes as well as on open systems platforms.

Adabas Manager 7.7 also supports Adabas Caching Facility and Adabas Delta Save Facility.

Adabas Manager allows the DBA to interactively monitor and change aspects of an Adabas database while an Adabas session is active. Its web-based graphical user interface (GUI) allows the DBA to easily view resource status and user queues; display and revise space allocation; change file and database parameters; define a new file online; and stop a selected user or current Adabas session.

DBA tasks directly affecting the database (designing, selecting tuning aids, predicting changes, deciding and enforcing database rules, organizing and administering file conversions, measuring database use, and tuning for best database performance) can all be done using Adabas Manager.

For analyzing performance and monitoring database operation, Adabas Manager allows you to see the system from the viewpoint of either a user or a particular system resource. For example, you can perform the following user-related tasks:

- monitor the operation of a particular user or all users
- check user and command queue status
- change user priority
- stop a user from using a particular file, or stop all inactive users

Some of the resource-related tasks you can perform are

- view and update nucleus parameters
- monitor command and file usage and system performance information

- list file layout and extent status; and
- list file distribution of the database by VOLSER

For controlling the overall Adabas session, Adabas Manager provides you with ways to

- change file parameters
- define new files and rename, renumber, refresh, uncouple, or delete files
- create new FDTs, fields, and change field lengths
- switch ISN and Data Storage reuse on and off by file, and release descriptors
- terminate an Adabas nucleus session (ADAEND, HALT, CANCEL)
- enable better use of the available operating system facilities through the Adabas Caching Facility, in that valuable virtual memory resources are not monopolized.
- enhance ADASAV utility processing by backing up and restoring only the changed (delta) portions of Adabas databases through the Adabas Delta Save Facility.

## Enterprise Edition and Standard Edition

The Adabas Manager Enterprise Edition supports a range of functionality which is not available in the Standard Edition for mainframe databases; the functionality for open systems databases is *not* restricted in this way (this may change in future versions of Adabas Manager).

For mainframe databases, the following functionality is supported by the Adabas Manager Enterprise Edition only:

- Caching Facility:  
enables better use of the available operating system facilities, in that valuable virtual memory resources are not monopolized.
- Delta Save Facility:  
enhances ADASAV utility processing by backing up and restoring only the changed (delta) portions of Adabas databases.
- Checkpoints:  
allows the administrator to review the checkpoint list for an Adabas database and to delete checkpoints.
- Disk Storage:  
allows the administrator to modify or add Associator and Data Storage datasets and to recover unused storage.
- Space Calculation:  
is a planning tool for adding new components or recalculating existing space requirements.
- System Status (extended):  
provides a comprehensive overview of Adabas operation:

CLOG/PLOG Statistics  
 Command Queue  
 Command Usage  
 File Usage  
 High Water Marks  
 Nucleus File Status  
 Online Status  
 PPT (Parallel Participant Table)  
 Resource Statistics  
 User Profiles  
 User Queue  
 Work Status  
 Work Pool Usage

## Workbench Functionality

Adabas Manager version 7.7 is able to administer and monitor Adabas databases on open systems platforms. It replaces the DBA Workbench tool; Adabas Manager offers the same functionality previously available through the workbench and has been designed to handle different versions of Adabas in parallel. Adabas 6.1.11 for Open Systems is the minimum version supported.

### Important:

Although it is possible to run Adabas Manager and the DBA Workbench in parallel, Software AG does not recommend this under any circumstances. In cases where a parallel use cannot be avoided, the DBA Workbench must never be active while Adabas Manager is running.

The following tables explain the DBA Workbench functions which can now be executed with Adabas Manager and refers to the information in this documentation.

### Note:

Where a target can be reached by right-clicking on a node, the character | is displayed; for example, "DBnnn | Utility Communication Block" asks you to right-click on the database name and choose **Utility Communication Block** from the dropdown menu.

### Report

DBA Workbench	Adabas Manager	Documentation
General Information		
Contents	DBnnn > Database Files > <i>File Name</i>	Reviewing File Properties in <i>Database Files</i>
Summary	DBnnn and DBnnn > Disk Storage > Containers	Listing Databases in <i>Adabas Databases</i> and Disk Storage in <i>Session Monitoring</i>
Layout	DBnnn > Utilities > Show Layout	Show Layout in <i>Database-related Long Running Utilities for Open Systems</i>

<b>DBA Workbench</b>	<b>Adabas Manager</b>	<b>Documentation</b>
Free Space	DBnnn > Utilities > Unused Storage	Unused Storage in <i>Database-related Long Running Utilities for Open Systems</i>
Nucleus Log	DBnnn > Nucleus Log	Nucleus Log in <i>Listing Databases</i>
File Information		
Status	DBnnn > Database Files > <i>File Name</i> and DBnnn > Disk Storage	Reviewing File Properties in <i>Database Files</i> and <i>Disk Storage in Session Monitoring</i>
Descriptor	DBnnn > Utilities > Display Descriptors	
Usage	DBnnn > Utilities > File Usage	File Usage in <i>Database-related Long Running Utilities for Open Systems</i>
Session		
Command Queue	DBnnn > System Status > Command Queue	Reviewing Command Queue in <i>System Status</i>
Full User Queue	DBnnn > System Status > User Queue	User Queue and User Queue Elements (UQEs) for Databases in <i>System Status</i>
Hold Queue	DBnnn > System Status > Hold Queue	Reviewing Hold Queue in <i>System Status</i>
Internal Command Queue	DBnnn > System Status > Command Queue † Internal CMDQ	Reviewing Command Queue in <i>System Status</i>
Thread Table	DBnnn > System Status > Threads	Reviewing Thread Status in <i>System Status</i>
User Files	DBnnn > System Status > User Queue	User Queue and User Queue Elements (UQEs) for Databases in <i>System Status</i>
User Queue	DBnnn > System Status > User Queue	User Queue and User Queue Elements (UQEs) for Databases in <i>System Status</i>
User Time Limits	DBnnn > System Status > User Queue	User Queue and User Queue Elements (UQEs) for Databases in <i>System Status</i>
Utility Communication Block	DBnnn † Utility Communication Block	Reviewing Adabas Open Systems Database UCBs in <i>System Status</i>
Session Parameters		
Dynamic	DBnnn > Active Parameters	Active Parameters in <i>Session Monitoring</i>

<b>DBA Workbench</b>	<b>Adabas Manager</b>	<b>Documentation</b>
Static	DBnnn > Active Parameters	Active Parameters in <i>Session Monitoring</i>
Statistics		
High Water Marks	DBnnn > System Status > High Water Marks	Reviewing High Water Marks in <i>System Status</i>
Command	DBnnn > System Status > Command Usage	Reviewing Command Usage in <i>System Status</i>
Activities	DBnnn > System Status	System Status in <i>Session Monitoring</i>
File IO	DBnnn > System Status > File Usage	Reviewing File Usage in <i>System Status</i>
Set List of Files	DBnnn > System Status > File Usage > Define Files	Reviewing File Usage in <i>System Status</i>
Buffer Pool	DBnnn > System Status	System Status in <i>Session Monitoring</i>
Format Pool	DBnnn > System Status	System Status in <i>Session Monitoring</i>
Protection Log	DBnnn > System Status > PLOG Statistics	CLOG/PLOG Statistics in <i>System Status</i>
Checkpoints	DBnnn > Checkpoints	Checkpoints
Command Log	DBnnn > System Status > CLOG Statistics	CLOG/PLOG Statistics in <i>System Status</i>
Error Log	DBnnn > Utilities > Error Log	Error Log in <i>Database-related Long Running Utilities for Open Systems</i>
List Protection Log	DBnnn > Utilities > List Protection Log	List Protection Log in <i>Database-related Long Running Utilities for Open Systems</i>

## Profile

<b>DBA Workbench</b>	<b>Adabas Manager</b>	<b>Documentation</b>
Containers	DBnnn > Disk Storage	Disk Storage in <i>Session Monitoring</i>
Nucleus Parameters	DBnnn > Active Parameters	Active Parameters in <i>Session Monitoring</i>
Start as Service	DBnnn † Enable Start as Service	Starting and Stopping Databases in <i>Adabas Databases</i>
Environment Extensions	DBnnn > Active Parameters † Environment Extensions	Environment Extensions in <i>Active Parameters</i>
Operations		
Node Parameters	DBnnn > Active Parameters † Node Parameters	Node Parameters in <i>Active Parameters</i>
Database Actions	DBnnn > Active Parameters † Database Actions	Database Actions in <i>Active Parameters</i>
Action Users	DBnnn > Active Parameters † Action Users	Action Users in <i>Active Parameters</i>
Add Existing Database	Adabas Databases † Add Existing DB	Add Existing Open Systems Databases in <i>Listing Databases</i>

## File

<b>DBA Workbench</b>	<b>Adabas Manager</b>	<b>Documentation</b>
New	DBnnn > Database Files   New File	Creating New Files in <i>Database Files</i>
Delete	DBnnn > Database Files > <b>Delete</b>	Deleting Files in <i>Modifying Files</i>
Refresh	DBnnn > Database Files > <b>Refresh</b>	
Add LoB File	DBnnn > Database Files   New LOB File	Creating New LOB Files in <i>Database Files</i>
Backup	DBnnn > Database Files > Utilities > Backup (dropdown list)	Backup in <i>File-related Long Running Utilities for Open Systems</i>
Restore	DBnnn > Database Files > Utilities > Restore (dropdown list)	Restore in <i>File-related Long Running Utilities for Open Systems</i>
Load	DBnnn > Database Files > Utilities > Load (dropdown list)	Load in <i>File-related Long Running Utilities for Open Systems</i>
Unload	DBnnn > Database Files > Utilities > Unload (dropdown list)	Unload in <i>File-related Long Running Utilities for Open Systems</i>
Compress	DBnnn > Database Files > Utilities > Compress (dropdown list)	Compress in <i>File-related Long Running Utilities for Open Systems</i>
Decompress	DBnnn > Database Files > Utilities > Decompress (dropdown list)	Decompress in <i>File-related Long Running Utilities for Open Systems</i>
Export	DBnnn > Database Files > Utilities > Export (dropdown list)	Export in <i>File-related Long Running Utilities for Open Systems</i>
Import	DBnnn > Database Files > Utilities > Import (dropdown list)	Import in <i>File-related Long Running Utilities for Open Systems</i>
Verify	DBnnn > Database Files > Utilities > Verify (dropdown list)	Verify in <i>File-related Long Running Utilities for Open Systems</i>

### Administrative (File Level)

<b>DBA Workbench</b>	<b>Adabas Manager</b>	<b>Documentation</b>
Allocate	DBnnn > Database Files > Alloc. > <b>Allocate</b>	Allocating/Deallocating File Space in <i>Database Files</i>
Deallocate	DBnnn > Database Files > Alloc. > <b>Deallocate</b>	Allocating/Deallocating File Space in <i>Database Files</i>
Reusage		
Data Storage	DBnnn > Database Files > <i>File Name</i> > <b>Modify</b>	Modifying Files in <i>Database Files</i>
ISNs	DBnnn > Database Files > <i>File Name</i> > <b>Modify</b>	Modifying Files in <i>Database Files</i>
Lock	DBnnn > Database Files > <b>Lock</b>	Locking/Unlocking Files in <i>Modifying Files</i>
Unlock	DBnnn > Database Files > <b>Unlock</b>	Locking/Unlocking Files in <i>Modifying Files</i>
Enable PGM_REFRESH	DBnnn > Database Files   New File > Enable PGM_REFRESH	Creating New Files in <i>Database Files</i>
Disable PGM_REFRESH	DBnnn > Database Files > <i>File Name</i> > <b>Modify</b>	Modifying Files in <i>Database Files</i>
Modify FDT	DBnnn > Database Files > <i>Fields</i> > <b>Add</b>	Adding New Fields in the Field Definition Table (FDT) in <i>Field Definition Table (FDT)</i>
Rename	DBnnn > Database Files > <b>Rename</b>	Renaming Files in <i>Modifying Files</i>
Renumber	DBnnn > Database Files > <b>Renumber</b>	Renumbering Files in <i>Modifying Files</i>

### Descriptor (File Level)

<b>DBA Workbench</b>	<b>Adabas Manager</b>	<b>Documentation</b>
Invert	DBnnn > Database Files > Utilities > Invert Descriptor (dropdown list)	Invert Descriptor in <i>File-related Long Running Utilities for Open Systems</i>
Reinvert	DBnnn > Database Files > Utilities > Reinvert Descriptor (dropdown list)	Reinvert Descriptor in <i>File-related Long Running Utilities for Open Systems</i>
Release	DBnnn > Database Files > <i>Fields</i> > <i>Name</i> <b>Release Descriptor</b>	Setting and Releasing Descriptors in <i>Field Definition Table (FDT)</i>
Unique		
Set	DBnnn > Database Files > <i>Fields</i> > <i>Name</i> <b>Set Unique Descriptor</b>	Setting and Releasing Descriptors in <i>Field Definition Table (FDT)</i>
Reset	DBnnn > Database Files > <i>Fields</i> > <i>Name</i> <b>Reset Unique Descriptor</b>	Setting and Releasing Descriptors in <i>Field Definition Table (FDT)</i>
Verify	DBnnn > Database Files > Utilities > Verify Descriptor (dropdown list)	Verify Descriptor in <i>File-related Long Running Utilities for Open Systems</i>
Summary	DBnnn > Database Files > Utilities > Descriptor Summary (dropdown list)	Descriptor Summary in <i>File-related Long Running Utilities for Open Systems</i>

### Report (File Level)

<b>DBA Workbench</b>	<b>Adabas Manager</b>	<b>Documentation</b>
Display FDT	DBnnn > Database Files > <i>Fields</i>	Field Definition Table (FDT) in <i>Database Files</i>
File Information		
Descriptor	DBnnn > Database Files > Utilities > Display Descriptors (dropdown list)	Display Descriptors in <i>File-related Long Running Utilities for Open Systems</i>
Usage	DBnnn > System Status > File Usage	Reviewing File Usage in <i>System Status</i>