

Note Language: English

Version: 3

Validity: Valid from 22.05.2007

Summary

Symptom

With SAP Basis Release 7.00 Support Package 12, the new DBA Cockpit is the central point of access for monitoring and administering SAP systems using Oracle as the database.

This note provides an overview of this and refers to additional notes for the individual subareas of the DBA Cockpit.

In addition, all of the documentation regarding the DBA Cockpit is attached to this note as a PDF file.

More Terms

DBA Cockpit, Oracle, ST04, DB02, ST04N, DB02N, DB13, DB13C

Cause and Prerequisites

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Solution

Overview of the new DBA Cockpit

The DBA Cockpit replaces different transactions that were used for monitoring and administration up to now. These include the following transactions in particular, which now branch to individual functions in the DBA Cockpit:

DB13	DBA planning calendar
DB13C	Central planning calendar
DB12	Backup logs
DB14	DBA operation logs
ST04	Database Performance Analysis: Oracle database overview
DB02	Database Performance: tables and indices

The transactions listed above continue to be available, but the transaction codes were renamed to <previous transaction code>OLD. This means that the transaction codes are now ST04OLD, DB02OLD, DB12OLD, DB13OLD, DB14OLD, and DB13COLD.

You use transaction DBACOCKPIT to call the DBA Cockpit. The DBA Cockpit has a navigation area that is visible in all the functions of the DBA Cockpit. This area contains a menu tree with the following access points:

- Performance (corresponds to the old transaction ST04)
- Space (corresponds to the old transaction DB02)
- Jobs (corresponds to the old transactions DB13, DB12, DB14, DB13C)
- Diagnostics

The individual functions of the DBA Cockpit are located beneath these four access points. You can call a function by clicking it.

Prerequisites for using the DBA Cockpit:

The prerequisites described here are required for monitoring and

administration of the local system (that is, the system on which the DBA Cockpit is running).

- o Some performance monitors within the DBA Cockpit require special database objects. These objects are created using an SQL script. See Note 706927 for this script and more information.
- o The new planning calendar requires BR*Tools 700 patch level 24 or higher.
- o Some functions in the DBA Cockpit require the Oracle Active Workload Repository. This Oracle option must therefore be available for selection (see Note 1028068).

Additional corrections for the DBA Cockpit with Basis 7.00 Support Package 12 which are only corrected in Support Package 13:

- o The correction from Note 1042725 (DB02 Refresh terminates in short dump) needs to be implemented.
- o The correction from Note 1046668 (DBA Cockpit->Database->Overview causes a dump) needs to be implemented.
- o You must import the transport that is attached to Note 1052909 (Transport_for_NW04s_SP12_only.zip). It corrects various small errors in the system administration and planning calendar.

New planning calendar

(Transaction DB13 or Jobs -> DBA Planning Calendar in the DBA Cockpit menu tree)

The planning calendar used until now was replaced by the new calendar to meet legal requirements regarding the accessibility of screen programs.

The old planning calendar is still available under transaction DB13OLD. Completed actions are visible in both the old and new planning calendars. Actions that were scheduled in the old planning calendar also appear as scheduled in the new calendar. The reverse also applies, in that actions that were scheduled in the new planning calendar are also visible in the old calendar - with one exception:

Periodically scheduled actions in the new planning calendar with a repetition period that is not weekly (for example, hourly or daily) do not appear in the old planning calendar.

This can lead to problems if the old and new planning calendar are used in parallel. We therefore advise against using both planning calendars at the same time.

Even if the old calendar is still usable, it now has the status "deprecated". For this reason, we recommend that you switch to the new calendar in the medium term, provided that you do not need to use it right away.

Note 1025707 and the documentation provide more information about the new planning calendar, especially regarding the configuration and administration of external databases.

New central planning calendar

(Transaction DB13C or Jobs -> Central Calendar in the DBA Cockpit menu tree)

With regard to the configuration of systems that are to be monitored, the new central planning calendar differs from the old one, which continues to be available under transaction DB13COLD. The new central planning calendar uses the system configuration of the DBA Cockpit to add or remove systems.

To migrate the systems of the old central planning calendar with the new ones, see Administration -> Migration DB13C Configuration in the new central planning calendar.

Administration and monitoring of external databases

A feature of the DBA Cockpit is that you can monitor and administer external databases. This applies to both ABAP and non-ABAP systems.

Oracle databases and all other database systems supported by SAP can be connected as external databases. If you want to connect non-Oracle databases, the relevant database client software and the SAP database shared library must be installed.

(In this note, we assume that the system on which the DBA Cockpit is running is an Oracle database system. If this is not the case, but you intend to connect external Oracle databases, you must first install the Oracle database client software and the corresponding SAP database shared library.)

External Oracle databases are only supported as of Version 9.2.

If you need to connect external unicode databases, the system on which the DBA Cockpit is running must be a Unicode system.

The connection of external databases requires a working secondary database connection; that is, there must be an entry in the DBCON table. When you add an external database in the system configuration of the DBA Cockpit, you can create a DBCON entry directly.

Before you connect an external Oracle database, the following requirements must be met:

1. The script from Note 706927 must be executed on the external Oracle database.
2. For the planning calendar (DB13) and the related transactions DB12 and DB14, you also need to configure either an RFC ABAP connection (only allowed for external ABAP systems) or a connection through SAP gateway or a remote shell. For more information, see Note 1025707.
3. In addition, at least BR*Tools 700 patch level 24 (Oracle client 10) or BR*Tools 640 patch level 52 (Oracle client 9) must be installed on the external system.

For more information about connecting external Oracle databases, see the attached documentation (PDF file).

Header Data

Release Status:	Released for Customer
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Priority:	Recommendations/additional info
Category:	Advance development
Main Component	BC-DB-ORA-CCM CCMS/Database Monitors for Oracle
Additional Components:	BC-CCM-MON-ORA Database Monitors for Oracle

Valid Releases

Software Component	Release	From Release	To Release	and Following
SAP_BASIS	70	700	700	
SAP_BASIS	710	710	710	X

Related Notes

Number	Short Text
1052909	DBA Cockpit: Error in delivery of Support Package 12
1027146	Database administration and monitoring in the DBA Cockpit
1025707	DBA Cockpit planning calendar and remote Oracle databases

Attributes

Attribute	Value
weitere Komponenten	0000040345

Attachments

File Type	File Name	Language	Size
PDF	DBA_Cockpit_712.pdf	E	939 KB