

# How Can BW Workspaces be Monitored and Administered?



## Applies to

SAP NetWeaver Business Warehouse 7.30 (BW7.30) SP05 with SAP NetWeaver Business Warehouse Accelerator 7.20 (BWA7.20) or HANA 1.0 running as a database for SAP NetWeaver BW 7.3 SP05

## Summary

This article describes some specifics around the technical content for BW Workspaces. It addresses the Business Warehouse Administrator.

**Author:** Silvia Bratz

**Company:** SAP AG

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## Author Biography

**Silvia Bratz:** Development Project Manager, TIP In-Memory Platform BW (SAP AG). Silvia Bratz joined SAP 13 years ago and began working as a technical SAP consultant for Business Intelligence. Today, she is a member of the BWA and Data Management team.

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## Table of Contents

1.	Introduction into the topic 'BW Workspace' .....	3
2.	Introduction into the topic 'BW Administration Cockpit' .....	3
3.	Technical Content for 'BW Workspaces' .....	3
3.1.	Preconfigured Dashboard .....	4
3.2.	Used Datasources .....	4
3.3.	Monitoring the memory usage .....	4
3.4.	Monitoring BW Workspaces with regards to their memory usage .....	5
3.5.	Monitoring BW Workspaces with regards to Local Provider usage .....	6
3.6.	Monitoring BW Workspaces with regards to their life time .....	7
4.	Related Content .....	8
	Copyright.....	9

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## 1. Introduction into the topic 'BW Workspace'

A BW Workspace is a kind of 'small sandbox' which IT defines. IT sets the boundaries, IT sets the amount of resources that a BW Workspace can consume and exposes some of the central data models to the BW Workspace (data of the models and their related semantics). The BW Workspace exposes the central data in a logical fashion only. The data is not copied over into the BW Workspace, which means that no data replication is needed.

The goal is to enable the Key Business Users to use this functionality in a dedicated and separated environment, which is deeply embedded and integrated in the existing BW landscape. The BW Workspaces bridge the gap between the architected and the departmental data marts. Therefore, Workspaces are integrated, independent and, as the usage of the SAP Business Warehouse Accelerator is mandatory, they are completely in-memory.

## 2. Introduction into the topic 'BW Administration Cockpit'

The BW Administration Cockpit provides a central point of entry and makes available cockpits and dashboards that provide real-time monitors and runtime statistics. It provides context-specific access to comprehensive reports and applications that help you identify and analyze issues. The BW Administration Cockpit is based on technical BI Content for runtime and status data for BW objects and activities. You can monitor and administer the performance of a BW system using either SAP NetWeaver Portal or intuitive Xcelsius Dashboards. The usability of BW Administration Cockpit monitors is enhanced by the presentation of BW administrative data in intuitive Xcelsius Dashboards.

The following preconfigured dashboards are available:

0XCLS\_OTCT\_BW\_MONITOR

0XCLS\_OTCT\_PC\_DETAILS

0XCLS\_OTCT\_REPORTING\_DETAIL

These dashboards are shipped with the role 'SAP\_BW\_BI\_ADMINISTRATOR'.

## 3. Technical Content for 'BW Workspaces'

Technical content for BW Workspaces is provided for the following purposes:

- It displays the memory consumed by Central and Local Providers as well as available BW Workspace and BWA memory.
- It helps to identify the BW Workspaces occupying maximum percentage of memory and maximum Local Provider usage.
- It helps to identify the BW Workspaces with regards to their expiry date.
- It helps to analyze Providers of each BW Workspace.

### 3.1. Preconfigured Dashboard

The following preconfigured Xcelsius dashboard is available additionally for the BW Workspaces:

OXCLS\_OTCT\_Q0101

This dashboard is shipped with the role 'SAP\_BW\_BI\_ADMINISTRATOR'.

### 3.2. Used Datasources

The following technical content datasources are used to extract the relevant data:

- OTCT\_DS26 (BWA Usage Status)
- OTCT\_DS27 (BW Workspace Properties)
- OTCT\_DS28 (Local Provider Properties of BW Workspace)

### 3.3. Monitoring the memory usage

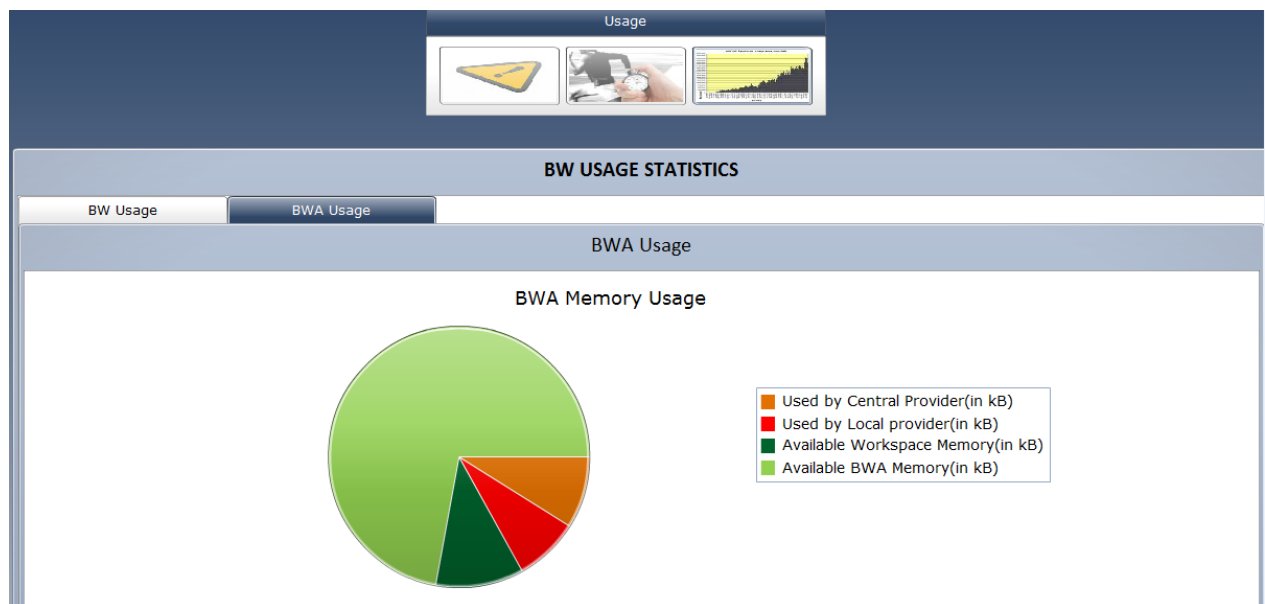
This monitor displays the memory usage (in kb) by:

- Central Provider
- Local Provider
- Available BW Workspace memory
- Available BWA memory

This monitor only shows up when the BWA is in use. In HANA all Providers are in the primary persistence and are therefore monitored with 'standard' tools like all other objects in HANA.

Technical Content MultiProvider: OTCT\_MCWS

Technical Content Query: OTCT\_MCWS\_Q0100



### 3.4. Monitoring BW Workspaces with regards to their memory usage

#### Top 10 Workspaces consuming memory (in %)

This monitor displays the top 10 BW Workspaces consuming maximum memory. You can also view the memory allocated and memory Usage (in percentage).

This monitor displays:

- BW Workspace name
- Memory allocated
- Memory occupied
- Percentage of memory used

Technical Content MultiProvider: OTCT\_MCWS

Technical Content Query: OTCT\_MCWS\_Q0108

Top 10 WorkSpaces			
Based on Selected Criteria			
<input type="radio"/> Percentage of Analytic Indices Used			
<input type="radio"/> Minimum Lifetime			
<input checked="" type="radio"/> Percentage of Memory consumed			
Workspace Name	Memory allocated(in kB)	Memory occupied(in kB)	Percentage of Memory used
ED_WSP1	10.000	45.504	455,04
BROWSER_TEST	100.000	45.614	45,61
BROWSER_TEST2	100.000	45.482	45,48
BROWSER_TEST3	100.000	45.317	45,32
SR_WSP1	500.000	45.463	9,09
ED_CREATE	10.000	599	5,99
COPRTRACE	10.000	448	4,48
RS_TEST1	500.000	17.860	3,57
WSP_AUTOTEST	15.000	209	1,39
ED_SUB1_WSP1	50.000	368	0,74

Analyze Workspace

\*Analytic Index= Local Provider

### 3.5. Monitoring BW Workspaces with regards to Local Provider usage

#### Top 10 Workspaces w.r.t Local provider usage (in %)

This monitor displays the top 10 BW Workspaces with maximum Local provider usage. You can also view the number of local providers assigned and the number of Local providers consumed by the Workspaces.

This monitor displays:

- BW Workspace name
- Local Provider assigned
- Local Provider consumed
- Number of Local Providers consumed (%)

Technical Content MultiProvider: OTCT\_MCWS

Technical Content Query: OTCT\_MCWS\_Q0107

Top 10 WorkSpaces			
Based on Selected Criteria			
<input checked="" type="radio"/> Percentage of Analytic Indices Used <input type="radio"/> Minimum Lifetime <input type="radio"/> Percentage of Memory consumed			
Workspace Name	Analytic Indices assigned	Analytic Indices used	Percentage of Analytic Indices used
AK_TEST	5	18	360,00000
ED_CREATE	10	10	100,00000
ED_WSP1	1	1	100,00000
ZSWARU_WSPTEST	1	1	100,00000
BASF_DEMO	10	10	100,00000
SR_WSP1	30	28	93,33333
HSWSDemo	5	4	80,00000
WSP_AUTOTEST	15	12	80,00000
ANALYSIS_OFFICE_TGIF_SANDBOX	100	78	78,00000
ZWTWSP	5	3	60,00000

Analyze Workspace

\*Analytic Index = Local Provider

### 3.6. Monitoring BW Workspaces with regards to their life time

#### Top 10 Workspaces with minimum life time (in days)

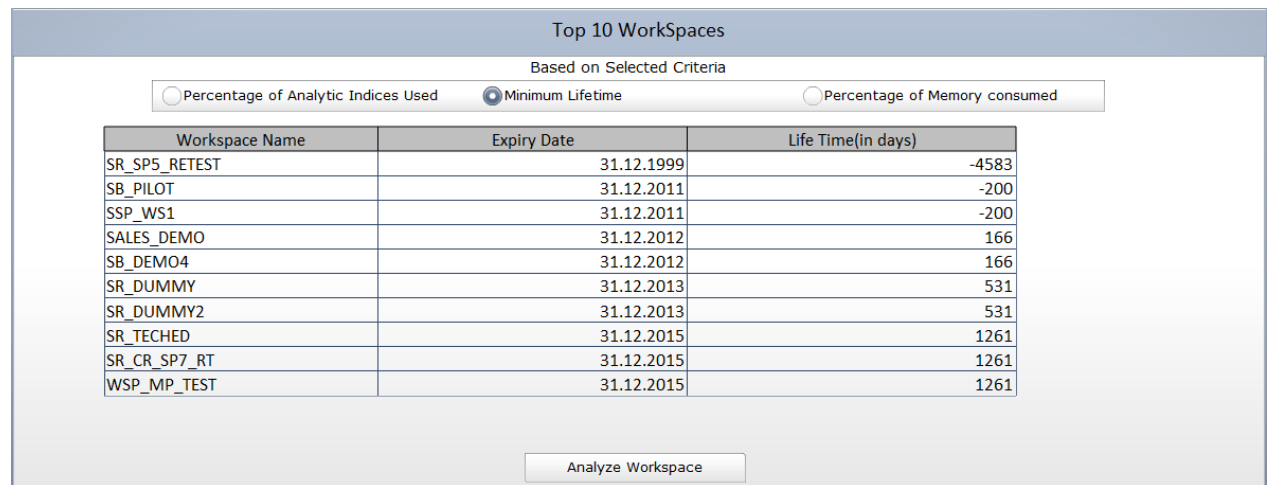
This monitor displays top 10 BW Workspaces with minimum lifetime.

This monitor displays:

- BW Workspace name
- Expiry Date
- Remaining life time (in days)

Technical Content MultiProvider: 0TCT\_MCWS

Technical Content Query: 0TCT\_MCWS\_Q0109



Top 10 WorkSpaces

Based on Selected Criteria

Percentage of Analytic Indices Used  Minimum Lifetime  Percentage of Memory consumed

Workspace Name	Expiry Date	Life Time(in days)
SR_SP5_RETEST	31.12.1999	-4583
SB_PILOT	31.12.2011	-200
SSP_WS1	31.12.2011	-200
SALES_DEMO	31.12.2012	166
SB_DEMO4	31.12.2012	166
SR_DUMMY	31.12.2013	531
SR_DUMMY2	31.12.2013	531
SR_TECHED	31.12.2015	1261
SR_CR_SP7_RT	31.12.2015	1261
WSP_MP_TEST	31.12.2015	1261

Analyze Workspace

The 'Analyze Workspace' button under each of these monitors displays the Provider details of the BW Workspace selected in the monitors. The detail consists of the Provider Type, Provider, Last changed/loaded Date, Last accessed Date, Frequency of Data access and Memory used for the BW Workspace.

Technical Content Query: 0TCT\_MCWS\_Q0101

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#### 4. Related Content

<http://scn.sap.com/community/netweaver-bw-accelerator>

<http://scn.sap.com/community/data-warehousing>

[http://help.sap.com/saphelp\\_nw73/helpdata/en/F3/8F492432354FDC913F93E8A2BED4A6/frameset.htm](http://help.sap.com/saphelp_nw73/helpdata/en/F3/8F492432354FDC913F93E8A2BED4A6/frameset.htm)

[http://help.sap.com/saphelp\\_nw73/helpdata/en/4e/1c145b0bf01a24e10000000a42189e/frameset.htm](http://help.sap.com/saphelp_nw73/helpdata/en/4e/1c145b0bf01a24e10000000a42189e/frameset.htm)



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