

Configure Details for Monitored BW Queries

- After BW queries have been assigned for monitoring you can configure details per monitored query
 - Define general settings (switch on/off data collection and/or alerting)
 - Define thresholds for duration (in seconds)

Add / Remove queries from Monitoring						
View: [Standard View]		Export	Select	Filter		
Technical System	Query	Collect data	Alerting active	Avg. Query Runtime(Yellow)	Avg. Query Runtime(Red)	
▼ ST7~ABAP						
▪	OSM_DVM_TABLE_SIZE_LAST_MONTH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10	15	
▪	Z_QUERY_RFC_STATISTICS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5	10	

Switch on/off metric data collection

Switch on/off alerting

Thresholds in seconds for query run duration. Run duration is the average runtime of the last 60 minutes.

Monitoring & Alerting configuration: BW Templates

- Step 5.4 “Configure BW Template Monitor” allows to define SAP BW Templates to be monitored and per monitored template the metrics and thresholds to be checked for alerting
 - First you have to define the BW templates which you want to monitor via “Add / Remove templates from Monitoring”

The screenshot shows the SAP Monitoring & Alerting configuration interface. At the top, the breadcrumb navigation indicates the current step: **5.4 Configure BW Template Mon...**. The interface includes a progress bar with steps 5.2, 5.3, 5.4, 5.5, and 6. Below the progress bar are navigation buttons: **Read Only**, **Previous**, **Next**, **Save**, and **Reset**.

Help

In this step you define the BW templates that you want to monitor (including the corresponding thresholds).

In order to add, remove or change a BW template, proceed as described below:

Add a BW template to the monitoring

1. Choose *Add / Remove Templates from Monitoring*, search in the resulting window for the template that you want to monitor, and choose *Get Templates & Steps from Master System*.
2. Choose the templates that you want to monitor by marking them in the result table *Templates retrieved from BW System* and select the arrow button *Add item* in order to add them to the monitoring.

Add / Remove templates from Monitoring

View: [Standard View] | Export | Select

Technical System	Template	Collect data	Alerting active	Avg. Template Runtime(Yellow)	Avg. Template Runtime(Red)
The table does not contain any data					

Selected BW Templates for Monitoring

- The BW template selection dialog operates in three steps
 1. Retrieve a list of BW templates from the SAP BW system matching given filter criteria (via “Get Templates from Managed System”)
 2. Add one or more of the retrieved queries to the list of templates assigned for monitoring
 3. Confirm list of assigned templates (via “OK”)

Select the SAP BW ABAP system in the scenario from which you want to monitor BW templates

You can reduce the retrieved template list by template name (wildcard * allowed)



You can execute the „Get Templates...” function multiple times with different filter criteria to build up the monitored template list step by step

Templates Retrieved from BW System	
Name	Date Modified
0ADHOC	23.03.2005 16:45:50
0ADHOC_CHARTS	23.03.2005 17:02:53
0ADHOC_CONDITIONS	23.03.2005 17:03:36
0ADHOC_EPO	18.03.2004 09:44:59
0ADHOC_FOOTER	06.11.2003 15:45:40
0ADHOC_HEADER	06.11.2003 15:47:04
0ADHOC_IMO	18.03.2004 09:44:37
0ADHOC_PIE	11.03.2004 12:18:38
0ADHOC_QUERYDESIGN	23.03.2005 17:04:51
0ADHOC_TABLE	23.03.2005 17:05:12

Templates Assigned for Monitoring in BW System	
Name	Date Modified
0ADHOC_CHART_LIB	03.02.2004 17:17:32
0ADHOC_INFOS	23.03.2005 17:04:22



If previously already BW templates were assigned for monitoring the assigned template list will be prefilled

By moving templates from assigned to retrieved list they can be removed from monitoring

Configure Details for Monitored BW Templates

- After BW templates have been assigned for monitoring you can configure details per monitored template
 - Define general settings (switch on/off data collection and/or alerting)
 - Define thresholds for duration

Add / Remove templates from Monitoring						
View: [Standard View] Export Select						Filter
Technical System	Template	Collect data	Alerting active	Avg. Template Runtime(Yellow)	Avg. Template Runtime(Red)	
▼ ST7~ABAP						
▪	0ADHOC_CHART_LIB	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10	15	
▪	0ADHOC_INFOS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5	7	

Switch on/off metric data collection

Switch on/off alerting

Thresholds in minutes for template run duration

Activation of all BI Monitoring Configuration Changes

- Step 5.5 “Activate BI Monitoring” allows you to review all changes before making them effective
 - All changes made to the different BI monitoring areas (BO jobs, BW process chains, BW queries, BW templates) are listed. Changes may be added / removed objects or threshold changes.
 - The “Activate BI Monitoring” button will make all changes effective

Technical Scenario MY BI-MON SCENARIO-BI_MONIT User Name WOLFH Technical Scenario Details

5.1 Configure BO Job Monitor 5.2 Configure BW Process Chain ... 5.3 Configure BW Query Monitor 5.4 Configure BW Template Monitor 5.5 Activate BI Monitoring

Read Only Previous Next Save Reset

Help

This step will activate the BI Monitoring content.

BO Jobs change list

Technical System	Job Name	Job Type	Job ID
VMW00009~BOBJ	Cortez_Bug_Report	CrystalReport	24762

Process Chain change list

Technical System	Process Chain Name	Step Type	Variant
ST7~ABAP	DM_TEST_CHAIN_1		
	ZDM_BPM_LOAD	LOADING	ZPAK_10YR1BU8X9F7JPQR75K5XJX

BW Query change list

Technical System	Query
ST7~ABAP	0SM_DVM_TABLE_SIZE_LAST_MONTH
	Z_QUERY_RFC_STATISTICS

BW Template change list

Technical System	Template
ST7~ABAP	0ADHOC_CHART_LIB
	0ADHOC_INFOS

Activate BI Monitoring

Log with 0 Messages

Type	Message	Date	Time	Landscape ID	User	Long Text	Details	URL
Table is empty								

Activation of all BI Monitoring Configuration Changes

- Step 5.5 “Activate BI Monitoring” allows you to review all changes before making them effective
 - All changes made to the different BI monitoring areas (BO jobs, BW process chains, BW queries, BW templates) are listed. Changes may be added / removed objects or threshold changes.
 - The “Activate BI Monitoring” button will make all changes effective

The screenshot shows the SAP BI Monitoring configuration wizard at step 5.5, "Activate BI Monitoring". The breadcrumb trail includes: 5.1 Configure BO Job Monitor, 5.2 Configure BW Process Chain ..., 5.3 Configure BW Query Monitor, 5.4 Configure BW Template Monitor, and 5.5 Activate BI Monitoring. Below the breadcrumb, there are buttons for "Read Only", "Previous", "Next", "Save", and "Reset". A "Help" section states: "This step will activate the BI Monitoring content." Below this, there are four change lists:

- BO Jobs change list:** Shows a table with columns: Technical System, Job Name, Job Type, Job ID. One entry is visible: VMW00009-BOBJ, Cortez_Bug_Report, CrystalReport, 24762.
- Process Chain change list:** Shows a table with columns: Technical System, Process Chain Name, Step Type, Variant. Two entries are visible: ST7-ABAP, DM_TEST_CHAIN_1 and ST7-ABAP, ZDM_BPM_LOAD, LOADING, ZPAK_1OYR1BU8X19F7JPQR75K5XJX.
- BW Query change list:** Shows a table with columns: Technical System, Query. Two entries are visible: ST7-ABAP, 0SM_DVM_TABLE_SIZE_LAST_MONTH and ST7-ABAP, Z_QUERY_RFC_STATISTICS.
- BW Template change list:** Shows a table with columns: Technical System, Template. Two entries are visible: ST7-ABAP, 0ADHOC_CHART_LIB and ST7-ABAP, 0ADHOC_INFOS.

At the bottom left of the wizard, there is a button labeled "Activate BI Monitoring" which is highlighted with a red box.

Log with 0 Messages

Export

Type	Message
Table is empty	

Log with 7 Messages

Export

Type	Message	Date	Time	Landscape ID	User	Long Text	Details	URL
[i]	BW Query 0000002363-MY BI-MON-ST7-ABAP-Z_QUERY_RFC_STATISTI activated.	04.03.2011	15:24:12	MY BI-MON S...	WOLFH			
[i]	BW Query 0000002362-MY BI-MON-ST7-ABAP-0SM_DVM_TABLE_SIZE_L activated.			MY BI-MON S...	WOLFH			
[i]	BW Process Chain 0000002351-MY BI-MON-ST7-ABAP-ZDM_BPM_LOAD-LOADING ...			MY BI-MON S...	WOLFH			
[i]	BW Process Chain 0000002350-MY BI-MON-ST7-ABAP-DM_TEST_CHAIN_1 activated.			MY BI-MON S...	WOLFH			
[i]	BO Job 0000002307-MY BI-MON-VMW00-BOBJ-24762-Cortez_Bug_R activated.			MY BI-MON S...	WOLFH			

Per activated monitored object a log message is created.

Activation of all BI Monitoring Configuration Changes

- Step 6 “Complete” gives an overview on the success status of each step and sub-step of the BI Monitoring Configuration
 - All steps and sub-steps should have a green status
 - Press “Finish” to

Technical System SQ7(200)-ABAP | User Name WOLFH | Technical System Details

← **6 Complete**

◀ Previous Next ▶ Save Reset **Finish**

Help

The BI Monitoring setup is completed for the scenarios in scope. In this step the status of all previous BI Monitoring steps are displayed.

Steps

Configuration Step	Status	Last Changed at	Last Changed by	Description
▪ Overview				Overview
▼ Configure Infrastructure	■	25.02.2011 15:58:45	BACHMARC	Configure Infrastructure
▪ Check Prerequisites	■	23.02.2011 16:22:08	WOLFH	Check Prerequisites
▪ Configure Manually	■	23.02.2011 16:23:21	WOLFH	Configure Manually
▪ Configure Automatically	■	25.02.2011 15:58:45	BACHMARC	Configure Automatically
▪ Default Settings	■	23.02.2011 16:26:18	WOLFH	Default Settings
▪ Workmode Settings	■	23.02.2011 16:16:24	WOLFH	Workmode specific Monitoring Settings
▪ Update Content	■	24.02.2011 13:19:33	WOLFH	Updates the Repository Content
▪ Define Scope				Define Scope
▼ Monitoring & Alerting	■	04.03.2011 15:24:12	WOLFH	Monitoring & Alerting
▪ Configure BO Job Monitor	■	03.03.2011 18:01:24	WOLFH	Configure BO Job Monitor
▪ Configure BW Process Chain Monitor	■	03.03.2011 18:06:48	WOLFH	Configure BW Process Chain Monitor
▪ Configure BW Query Monitor	■	04.03.2011 14:57:26	WOLFH	Configure BW Query Monitor
▪ Configure BW Template Monitor	■	04.03.2011 15:09:51	WOLFH	Configure BW Template Monitor
▪ Activate BI Monitoring	■	04.03.2011 15:24:12	WOLFH	Activate BI Monitoring



Thank You!

Contact information:

F name MI. L name

Title

Address

Phone number

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP AG. The information contained herein may be changed without prior notice.

Some software products marketed by SAP AG and its distributors contain proprietary software components of other software vendors.

Microsoft, Windows, Excel, Outlook, and PowerPoint are registered trademarks of Microsoft Corporation.

IBM, DB2, DB2 Universal Database, System i, System i5, System p, System p5, System x, System z, System z10, System z9, z10, z9, iSeries, pSeries, xSeries, zSeries, eServer, z/VM, z/OS, i5/OS, S/390, OS/390, OS/400, AS/400, S/390 Parallel Enterprise Server, PowerVM, Power Architecture, POWER6+, POWER6, POWER5+, POWER5, POWER, OpenPower, PowerPC, BatchPipes, BladeCenter, System Storage, GPFS, HACMP, RETAIN, DB2 Connect, RACF, Redbooks, OS/2, Parallel Sysplex, MVS/ESA, AIX, Intelligent Miner, WebSphere, Netfinity, Tivoli and Informix are trademarks or registered trademarks of IBM Corporation.

Linux is the registered trademark of Linus Torvalds in the U.S. and other countries.

Adobe, the Adobe logo, Acrobat, PostScript, and Reader are either trademarks or registered trademarks of Adobe Systems Incorporated in the United States and/or other countries.

Oracle is a registered trademark of Oracle Corporation.

UNIX, X/Open, OSF/1, and Motif are registered trademarks of the Open Group.

Citrix, ICA, Program Neighborhood, MetaFrame, WinFrame, VideoFrame, and MultiWin are trademarks or registered trademarks of Citrix Systems, Inc.

HTML, XML, XHTML and W3C are trademarks or registered trademarks of W3C®, World Wide Web Consortium, Massachusetts Institute of Technology.

Java is a registered trademark of Oracle Corporation.

JavaScript is a registered trademark of Oracle Corporation, used under license for technology invented and implemented by Netscape.

SAP, R/3, SAP NetWeaver, Duet, PartnerEdge, ByDesign, SAP BusinessObjects Explorer, StreamWork, and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP AG in Germany and other countries.

Business Objects and the Business Objects logo, BusinessObjects, Crystal Reports, Crystal Decisions, Web Intelligence, Xcelsius, and other Business Objects products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of Business Objects Software Ltd. Business Objects is an SAP company.

Sybase and Adaptive Server, iAnywhere, Sybase 365, SQL Anywhere, and other Sybase products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of Sybase, Inc. Sybase is an SAP company.

All other product and service names mentioned are the trademarks of their respective companies. Data contained in this document serves informational purposes only. National product specifications may vary.

The information in this document is proprietary to SAP. No part of this document may be reproduced, copied, or transmitted in any form or for any purpose without the express prior written permission of SAP AG.

This document is a preliminary version and not subject to your license agreement or any other agreement with SAP. This document contains only intended strategies, developments, and functionalities of the SAP® product and is not intended to be binding upon SAP to any particular course of business, product strategy, and/or development. Please note that this document is subject to change and may be changed by SAP at any time without notice.

SAP assumes no responsibility for errors or omissions in this document. SAP does not warrant the accuracy or completeness of the information, text, graphics, links, or other items contained within this material. This document is provided without a warranty of any kind, either express or implied, including but not limited to the implied warranties of merchantability, fitness for a particular purpose, or non-infringement.

SAP shall have no liability for damages of any kind including without limitation direct, special, indirect, or consequential damages that may result from the use of these materials. This limitation shall not apply in cases of intent or gross negligence.

The statutory liability for personal injury and defective products is not affected. SAP has no control over the information that you may access through the use of hot links contained in these materials and does not endorse your use of third-party Web pages nor provide any warranty whatsoever relating to third-party Web pages.

The Grid

Headline area

White space

Drawing area