

# Monitoring Data Services Jobs that are scheduled with BOE Scheduler

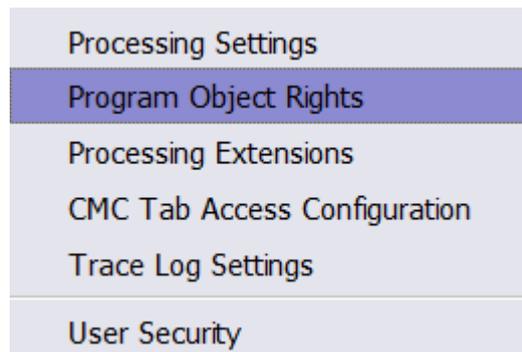
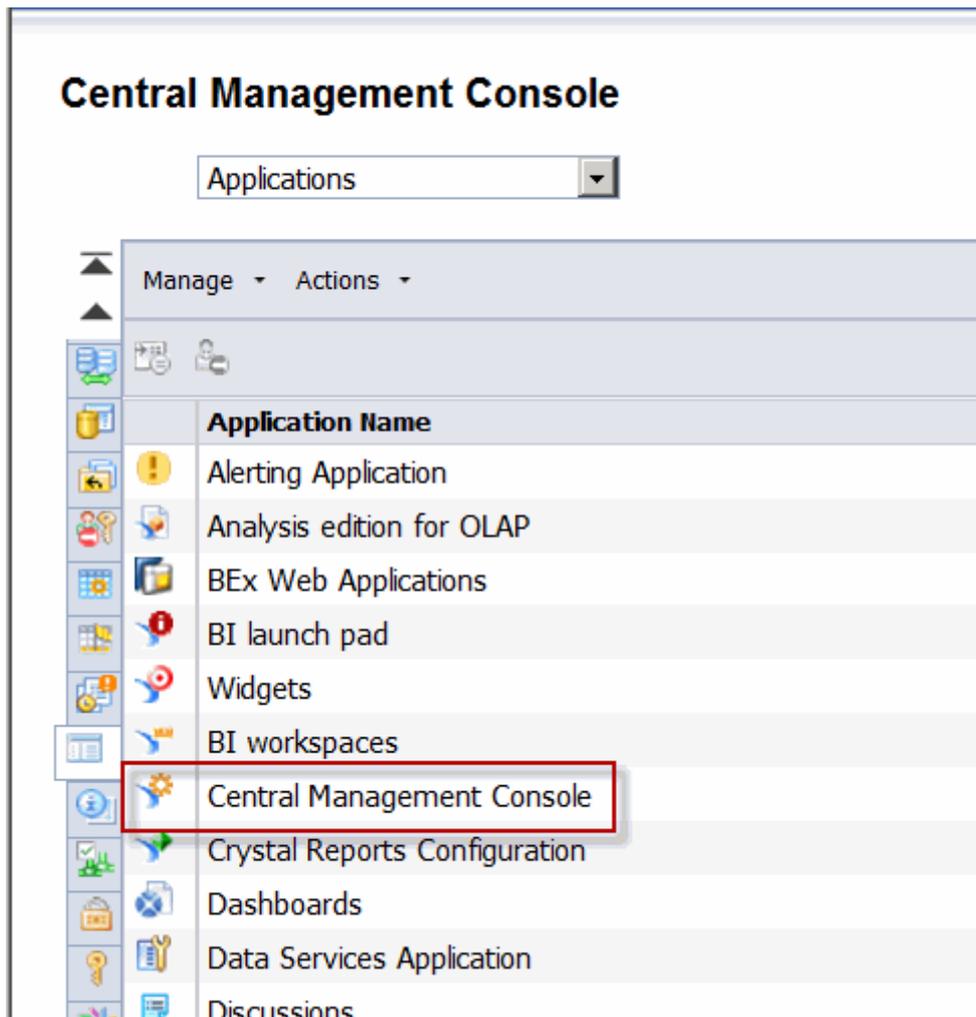
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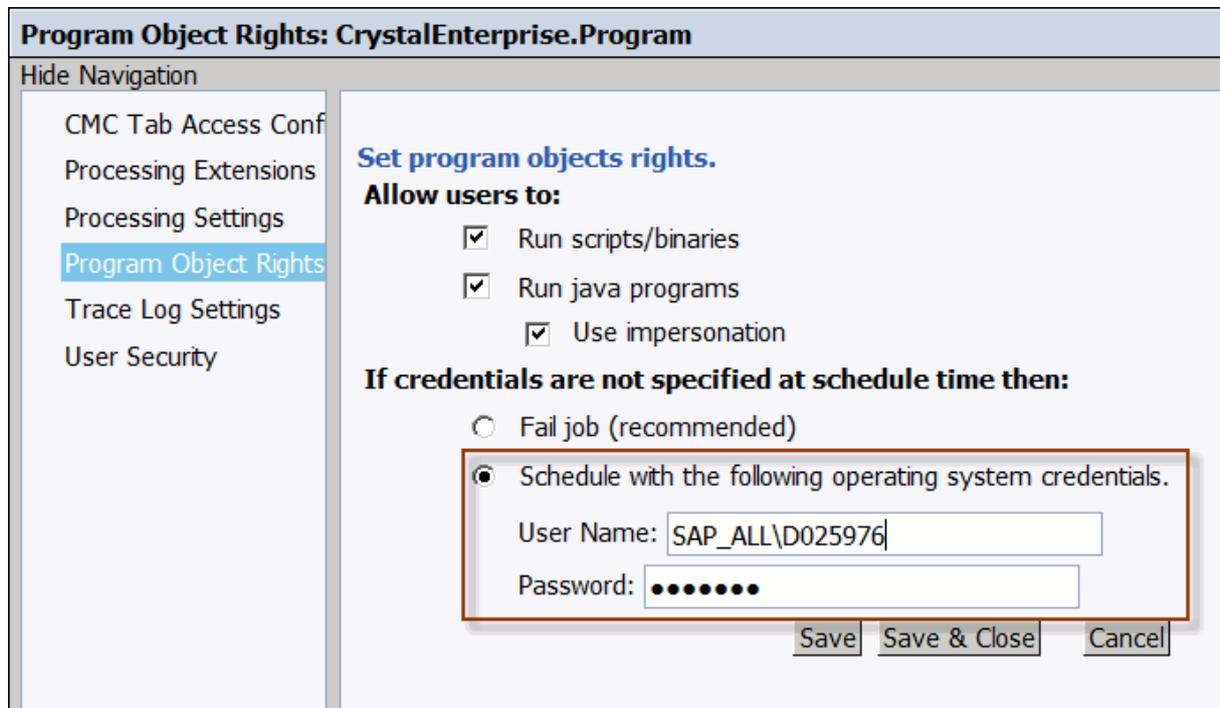
# 1 Monitor Data Service Jobs that are scheduled with the BOE Scheduler

## 1.1 Setup basic authorization in BOE for Program scheduling

1. Choose *Applications* option from the dropdown box, in the BOE system.
2. Right-mouse-click on the *Central Management Console (CMC)*, and choose *Program Object Rights*.



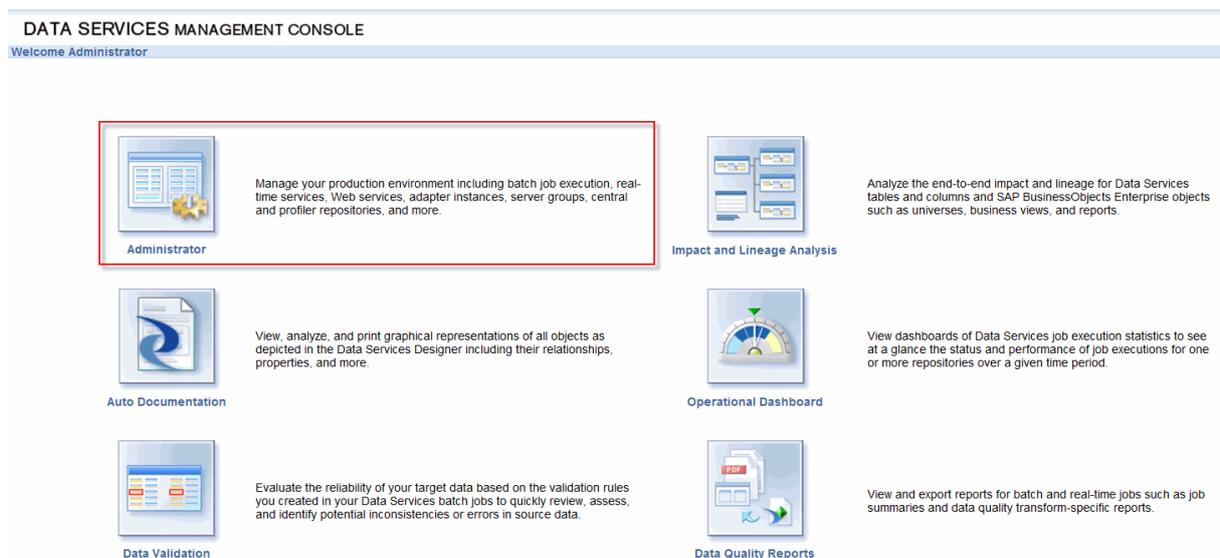
- Choose the option *Schedule with the following operating system credentials*, and enter the Operating system user (here a windows user) as user name and password.  
Note: This is not the user you logon to Data Services or BOE



- Choose *Save & Close*.

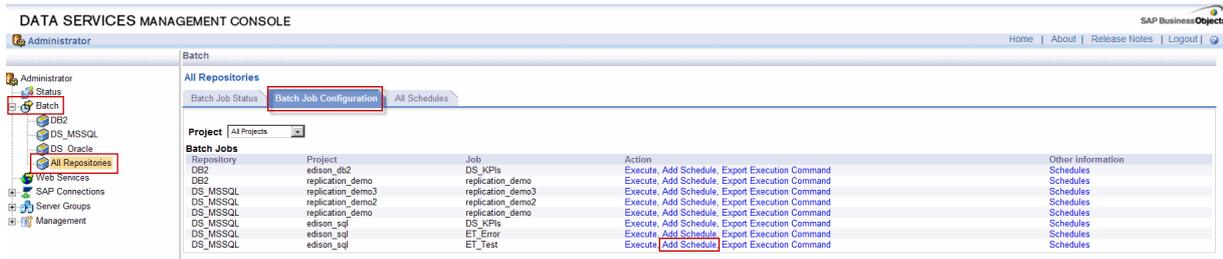
## 1.2 Schedule Data Services Job using BOE Scheduler

- Logon to Data Services Management console.



- Select the *Administrator* view.
- Open the *Batch* node and chose either a dedicated *Repository* or mark *All Repositories*.

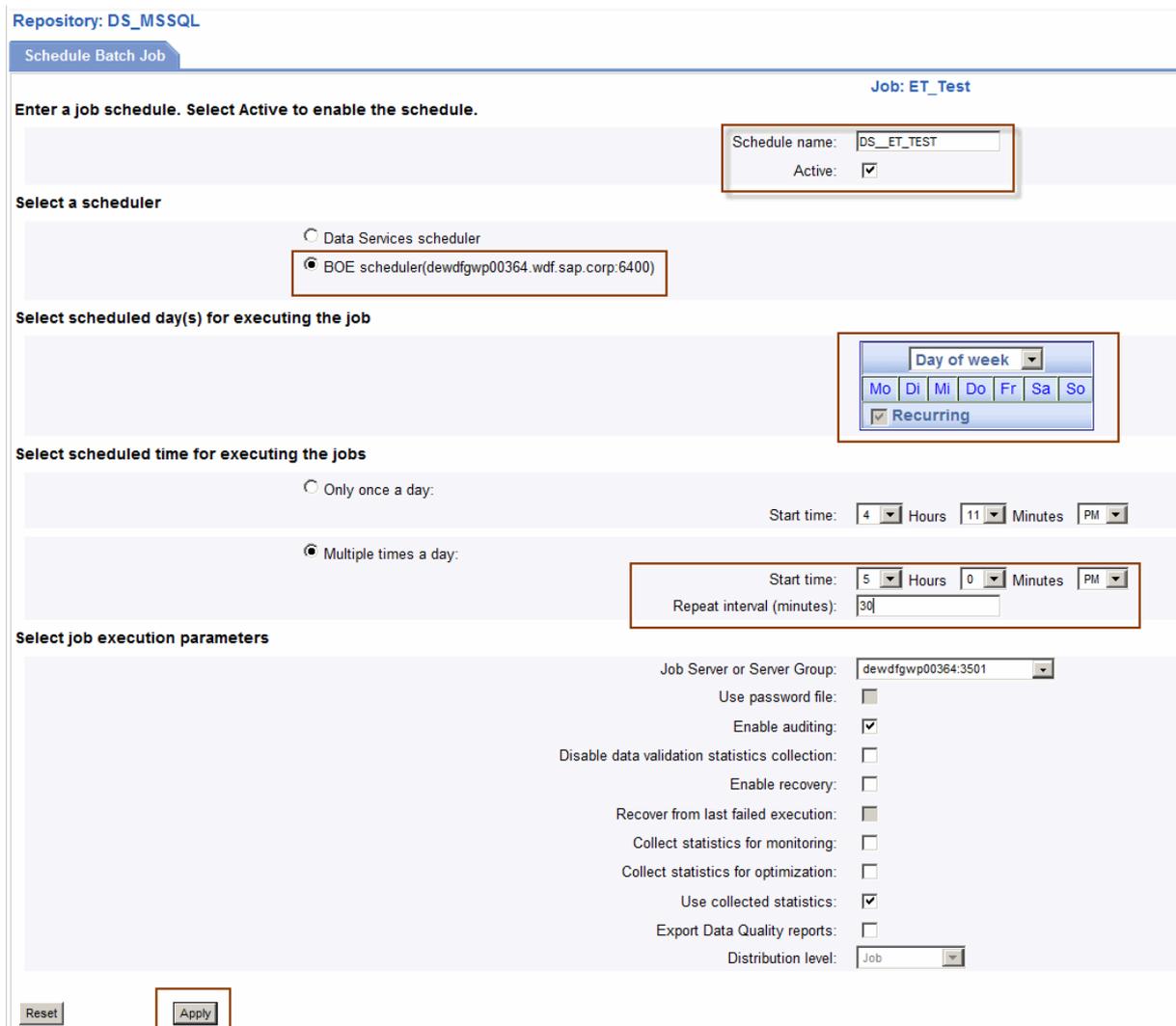
4. Choose *Batch Job Configuration* tab.



5. Select the job you want to schedule and choose *Add Schedule*.

6. Enter the job scheduling settings.

- Enter schedule name: Choose a meaningful name, e.g.: "DS\_\_ <JobName>"
- Select Active flag to activate the schedule
- Select your BOE scheduler as Scheduler
- Select the scheduled days, when you want the job to be executed, e.g.: Mo-So
- Select the scheduled times, when you want the job to be executed, e.g.: every 30 minutes



7. Choose *Apply* to schedule and activate the job.

## Repository: DS\_MSSQL

### Schedule Batch Job

[Repository:DS\_MSSQL,DS\_ET\_TEST Schedule created and activated]

You can find your job in the Central Management Console of your BOE system.

8. In CMC, go to the *Instance Manager* and select the Status = 'Recurring' and Job Type = 'Program'.

The screenshot shows the SAP Business Objects Central Management Console (CMC) Instance Manager. The 'Instance Manager' dropdown is selected. The main table displays one entry for the job 'DS\_ET\_TEST'. The status is 'Recurring' and the job type is 'Program'. The location is 'Data Services/DS Administrator' and the owner is 'Data Services/DS Administrator'. The next run time is 'Jul 4, 2012 5:00 PM' and the submission time is 'Jul 4, 2012 4:11 PM'. The duration is 'Report runs every 0 days, 0 hours a'. The search criteria at the bottom show 'Status: Recurring' and 'Object Type: Web Intelligence'.

Title ^	Type	Status	Location	Owner	Completion Time	Next Run Time	Submission Time	Start Time	Duration (sec; Recurrence)
DS_ET_TEST	Program	Recurring	Data Services/DS Administrator	Data Services/DS Administrator		Jul 4, 2012 5:00 PM	Jul 4, 2012 4:11 PM		Report runs every 0 days, 0 hours a

After the first run you will find a new instance entry, e.g. with Status = 'Success'

The screenshot shows the SAP Business Objects Central Management Console (CMC) Instance Manager. The 'Instance Manager' dropdown is selected. The main table displays two entries for the job 'DS\_ET\_TEST'. The first entry has a status of 'Recurring' and the second entry has a status of 'Success'. The completion time for the successful instance is 'Jul 4, 2012 4:21 PM'. The start time is 'Jul 4, 2012 4:21 PM' and the duration is '24'. The search criteria at the bottom show 'Status: Recurring' and 'Object Type: Web Intelligence'.

Title ^	Type	Status	Location	Owner	Completion Time	Next Run Time	Submission Time	Start Time	Duration (sec; Recurrence)
DS_ET_TEST	Program	Recurring	Data Services/DS Administrator	Data Services/DS Administrator		Jul 4, 2012 5:00 PM	Jul 4, 2012 4:11 PM		Report runs every 0 days, 0 hours a
DS_ET_TEST	Program	Success	Data Services/DS Administrator	Data Services/DS Administrator	Jul 4, 2012 4:21 PM		Jul 4, 2012 4:21 PM	Jul 4, 2012 4:21 PM	24

### 1.2.1 Schedule a Data Services Job with Input Parameters

If your job that you want to schedule has some input parameters, you have to maintain that in the scheduling UI of *Data Services Management Console*. Follow the steps below to do so:

1. Open the *Global Variables* area in the Scheduling screen.

Enter a job schedule. Select Active to enable the schedule.

Schedule name:   
 Active:

Select a scheduler

- Data Services scheduler
- BOE scheduler(dewdfgwp00364.wdf.sap.corp:6400)

Select scheduled day(s) for executing the job

Day of week   
 Mo Di Mi Do Fr Sa So  
 Recurring

Select scheduled time for executing the jobs

Only once a day: Start time:  Hours  Minutes

Multiple times a day: Start time:  Hours  Minutes   
 Duration (minutes):   
 Repeat interval (minutes):

Select job execution parameters

Job Server or Server Group:   
 Use password file:   
 Enable auditing:   
 Disable data validation statistics collection:   
 Enable recovery:   
 Recover from last failed execution:   
 Collect statistics for monitoring:   
 Collect statistics for optimization:   
 Use collected statistics:   
 Export Data Quality reports:   
 Distribution level:

2. Enter the required values in the input fields.

\$G_EWA_FileName (varchar):	<input type="text" value="null"/>
\$G_EWA_MinuteDelay (int):	<input type="text" value="5"/>
\$G_RepoName (varchar):	<input type="text" value="null"/>
\$G_EWA_FileName_2 (varchar):	<input type="text" value="null"/>
\$G_Datastore_FileName (varchar):	<input type="text" value="null"/>

## 2 Setup BI Monitoring for BO Job Monitoring

1. In Solution Manager 7.1, open the workcenter: 'SAP Solution Manager: Configuration' and select *Technical Monitoring*.
2. Choose *BI Monitoring* and select configuration step: *Define Scope*.
3. Either create a new scenario or choose an existing scenario where you want to setup "Data Services Job Monitoring".

**Define Technical Scenario Properties**

Enter type of the Technical Scenario:

Enter name of the Technical Scenario:

Enter description of Technical Scenario:

4. To monitor 'Data Services' jobs, you have to select the BOE system where the scheduler is used as a system in "BO Server System Layer".

**Define Technical Systems**

**BO Web System Layer**

TS Extended SID	Caption	TS Type

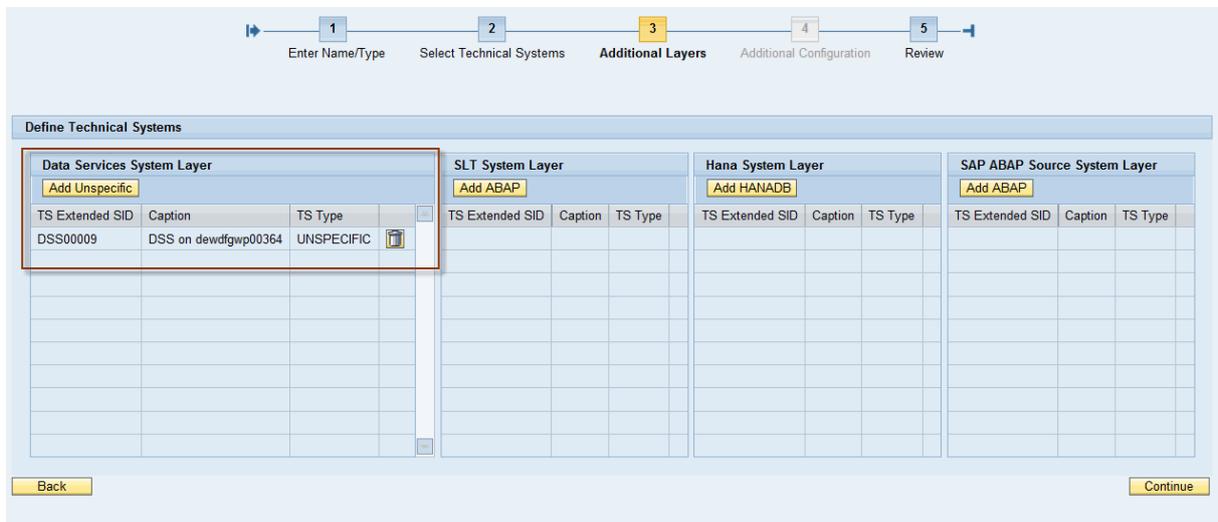
**BO Server System Layer**

TS Extended SID	Caption	TS Type
DEW	dewdfgwp00364.wdf.sap.corp_6400	BOBJ

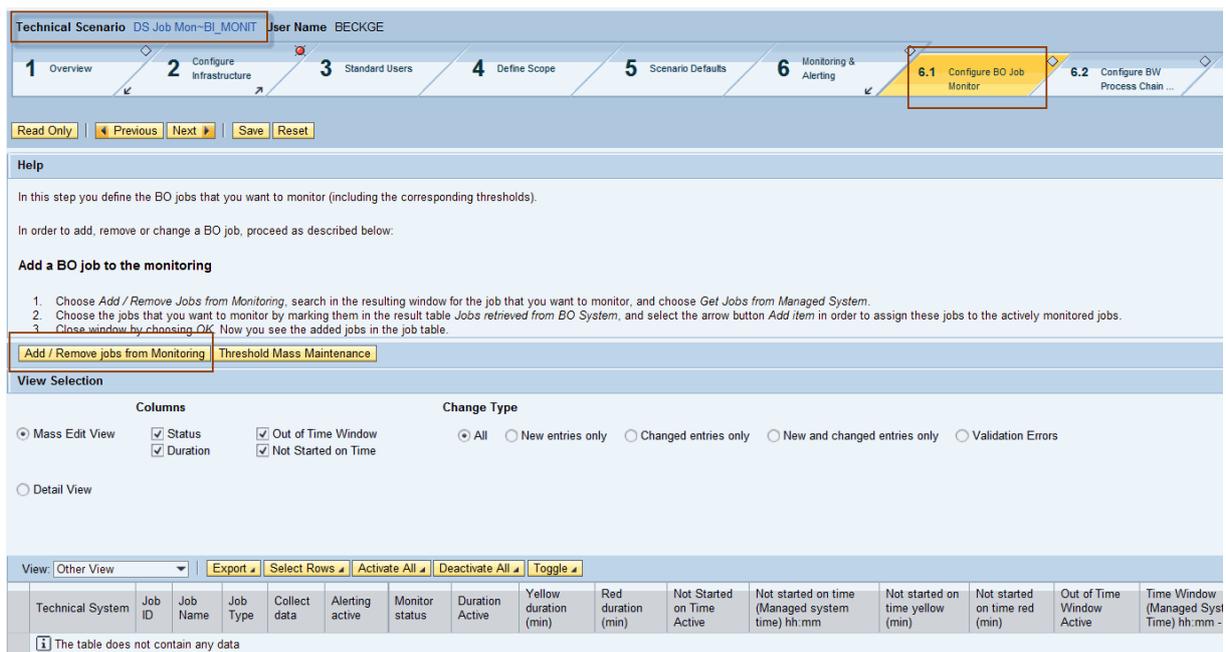
**BW System Layer**

TS Extended SID	Caption	TS Type

To use the full monitoring capability of the Data Services System in BI Monitoring (including System monitoring), you can select the Data Services System as an additional system in the same scenario.  
**Note:** This is not mandatory for DS job monitoring via the BOE scheduler.



If you have created or maintained the scenario in step4, you can add jobs to the scenario in *Monitoring and Alerting-> Configure BO Job Monitor -> Add/Remove jobs from Monitoring.*



The Data Services jobs that are scheduled via BOE Scheduler can be selected via “Job Type = Program”

**Retrieve Available Jobs from Managed System for BO Job Assignment**

Select Technical BO System: DEW~BOBJ

Job Name Pattern: \* \*  Case sensitive

Job Type: Program

Job Owner: \*

**Get Jobs from Managed System**

Select the right job, define the metrics and thresholds and activate monitoring as you do for all other BO jobs.