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.
3. 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.

4. Choose *Save & Close*.

### 1.2 Schedule Data Services Job using BOE Scheduler

1. Logon to Data Services Management console.

2. Select the *Administrator* view.

3. 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.
   a. Enter schedule name: Choose a meaningful name, e.g.: “DS__<JobName>”
   b. Select Active flag to activate the schedule
   c. Select your BOE scheduler as Scheduler
   d. Select the scheduled days, when you want the job to be executed, e.g.: Mo-So
   e. 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.
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’.

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

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.
2. Enter the required values in the input fields.
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”.

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”.

![Image of setup process]

![Image of technical systems configuration]
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 step 4, 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"
Select the right job, define the metrics and thresholds and activate monitoring as you do for all other BO jobs.