

# Create Threshold Monitoring Job

## OPERATING INSTRUCTIONS

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# 1 Description

This instruction describes how to create a threshold monitoring job. A new threshold monitoring job can be created by the user to raise threshold alarms on supported measurement types that are currently not monitored through alarms.

## 2 Procedure

### 2.1 Create Threshold Monitoring Job

#### Prerequisites

- No documents are required.
- No tools are required.
- The following conditions must apply:
  - A unique **PmJob** Managed Object (MO) name is chosen. To check names already in use, refer to **List Performance Management Jobs**.
  - The measurement type has threshold alarm support. To check this, refer to **List Performance Management Groups and Measurement Types**.
  - The **thresholdLow**, **thresholdHigh**, and **thresholdSeverity** attributes are known.
  - The **MeasurementType** MO is known.
  - An Ericsson Command-Line Interface (ECLI) session in Exec mode is in progress.

#### Steps

1. Navigate to the **Pm** MO, for example:  

```
>dn ManagedElement=N0DE06ST,SystemFunctions=1,Pm=1
```
2. Enter Config mode:  

```
(Pm=1)>configure
```
3. Create a threshold monitoring job, for example:  

```
(config-Pm=1)>PmJob=P0T_Thr_Job
```



4. Set the PmJob initial state to STOPPED:

```
(config-PmJob=POT_Thr_Job)>requestedJobState=STOPPED
```

5. Set attribute jobType to THRESHOLD:

```
(config-PmJob=POT_Thr_Job)>jobType=THRESHOLDJOB
```

6. Create a measurement reader for each referred measurement type, for example:

```
(config-PmJob=POT_Thr_Job)>MeasurementReader=POT_mr
```

```
(config-MeasurementReader=POT_mr)>measurementSpecification
```

```
(config-measurementSpecification)>measurementTypeRef="ManagedElement=NODE06ST, SystemFunctions=1, Pm=1, PmGroup=DbSPOT, MeasurementType=PotInst.Count"
```

```
(config-measurementSpecification)>up
```

7. Create a PmThresholdMonitoring MO, for example:

```
(config-MeasurementReader=POT_mr)>PmThresholdMonitoring=POT_tm
```

```
(config-PmThresholdMonitoring=POT_tm)>thresholdLow=10
```

```
(config-PmThresholdMonitoring=POT_tm)>thresholdHigh=100
```

```
(config-PmThresholdMonitoring=POT_tm)>thresholdSeverity=MAJOR
```

8. Are more PmThresholdMonitoring MOs to be created?

Yes: Continue with the next step.

No: Proceed with Step 11.

**Note:** Up to four PmThresholdMonitoring MOs can be created. The intervals of these MOs must not overlap.

9. Navigate to the MeasurementReader MO:

```
(config-PmThresholdMonitoring=POT_tm)>up
```

10. Proceed with Step 7.

11. Repeat Step 6 through Step 8 as needed for each referred measurement type.

**Note:** One MeasurementReader MO is needed for each reference to a MeasurementType MO.

12. Commit the changes:

```
(config-PmThresholdMonitoring=POT_tm)>commit
```



### 13. Verify the result:

```
(PmThresholdMonitoring=POT_tm)>up
```

```
(MeasurementReader=POT_mr)>up
```

```
(PmJob=POT_Thr_Job)>show -v -r
```

The following is an example output:

```
PmJob=POT_Thr_Job
  compressionType=[] <empty>
  currentJobState=STOPPED <read-only>
  granularityPeriod=FIFTEEN_MIN <default>
  jobControl=FULL <default> <read-only>
  jobGroup=[] <empty>
  jobPriority=MEDIUM <default>
  jobType=THRESHOLDJOB
  pmJobId="POT_Thr_Job"
  reportContentGeneration=CHANGED_ONLY <default>
  reportingPeriod=FIFTEEN_MIN <default>
  requestedJobState=STOPPED
  MeasurementReader=POT_mr
    measurementReaderId="POT_mr"
    measurementReaderNameValue=[] <empty> <read-only>
    measurementSpecification
      groupRef=[] <empty>
      measurementTypeRef="ManagedElement=NODE06ST,⇒
SystemFunctions=1,Pm=1,PmGroup=DbSPOT,MeasurementType=PotInst.Count"
[...]
  PmThresholdMonitoring=POT_tm
  pmThresholdMonitoringId="POT_tm"
  thresholdHigh=100
  thresholdLow=10
  thresholdSeverity=MAJOR
```