

Create Threshold Monitoring Job

OPERATING INSTRUCTIONS

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1 Introduction

This document 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.

1.1 Prerequisites

This section describes the prerequisites, which must be fulfilled before using the procedure.

1.1.1 Conditions

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.





2 Procedure

To create a threshold monitoring job:

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

```
>dn ManagedElement=NODE06ST, SystemFunctions=1, Pm=1
```

2. Enter Config mode:

```
(Pm=1) >configure
```

3. Create a threshold monitoring job, for example:

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

```