

# List Health Check Jobs

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## OPERATING INSTRUCTIONS

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# 1 Introduction

This document describes how to list the health check jobs available on a Managed Element (ME). Information about associated rules categories, last computed ME status, name of the last report file, and job to be triggered if a ME healthiness status different from `HEALTHY` is detected, is provided. A list of customizable parameters values used during rule check phase, and information about rules for which the check failed, are provided as well.

## 1.1 Prerequisites

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

### 1.1.1 Conditions

The following condition must apply:

- An Ericsson Command-Line Interface (ECLI) session in Exec mode is in progress.





## 2 Procedure

To list health check jobs:

1. Navigate to the *HealthCheckM* Managed Object (MO):

```
>dn ManagedElement=<node_name>,SystemFunctions=1,HealthCheckM=1
```

**Note:** The string `node_name` is specific for the ME.

2. List available jobs and related `hcJobId`, `lastReportFileName`, and `status` attributes:

```
(HealthCheckM=1)>show-table -m HcJob -p hcJobId, status, lastReportFileName
```

The following is an example output:

hcJobId	lastReportFileName	status
firstJob	1_firstJob_20150506T12003 2_man	NOT_HEALTHY
secondJob	1_secondJob_20150506T10 3634_man	NOT_HEALTHY

The following is a description of each shown attribute:

- `hcJobId` – the name used to identify each *HcJob* MO.
- `lastReportFileName` – the name of the report file generated from the latest execution of the job.
- `status` – the ME health status as computed from the last execution of the job.

3. Navigate to a particular *HcJob* MO, for example:

```
(HealthCheckM=1)>HcJob=firstJob
```

**Note:** The string `firstJob` is the value of the attribute `hcJobId` retrieved in Step 2

4. List the job attributes in verbose mode, for example:

```
(HcJob=firstJob)>show -v
```

All the attributes for the specific job are shown.



The following is an example output:

```
hcJobId="firstJob"
jobToTrigger="ManagedElement=1,SystemFunctions=1,HealthCheckM=1,HcJob=secondJob"
lastReportFileName="1_firstJob_20150507T140547_man" <read-only>
lastRunTime="2015-05-07T14:05:47" <read-only>
localFileStorePath="/var/filem/internal_root/health_check" <read-only>
rulesCategories
  MANDATORY
  OTHER
  SHORT
  TROUBLESHOOT
status=NOT_HEALTHY <read-only>
failedRules[@1]
  hcRule="hcRuleId=HealthCheckFramework_003" <read-only>
  reason="The idle CPU percentage is smaller than the predefined/customized threshold value."=>
    <read-only>
  severity=CRITICAL <read-only>
inputParameters[@1]
  hcRule="HcRule=HealthCheckFramework_002"
  name="usageThreshold"
  value="50"
inputParameters[@2]
  hcRule="HcRule=HealthCheckFramework_003"
  name="idleCpuThreshold"
  value="99"
progressReport
  actionId=[] <read-only>
  actionName="EXECUTE" <read-only>
  additionalInfo=[] <read-only>
  progressInfo="Job Execution completed" <read-only>
  progressPercentage=100 <read-only>
  result=SUCCESS <read-only>
  resultInfo="Job correctly executed" <read-only>
  state=FINISHED <read-only>
  timeActionCompleted="2015-05-07T14:05:48" <read-only>
  timeActionStarted="2015-05-07T14:05:47" <read-only>
  timeOfLastStatusUpdate="2015-05-07T14:05:48" <read-only>
HcJobScheduler=1
```

Details about shown attributes are as follows:

- `jobToTrigger` is the distinguished name (DN) of another job to be executed when the current job execution reports ME status different from HEALTHY.
- `lastReportFileName` is the name of the report file produced from last job execution.
- `lastRunTime` provides date and time of last job execution.
- `localFileStorePath` is the default location where report files are stored.
- `rulesCategories` is the list of categories of health check rules associated to the job.
- `status` is last computed ME health status.
- A `failedRules` attribute is present for each rule whose related check failed. The value of `hcRule` member is the relative distinguished name (RDN) of the failed rule. The value of `reason` member provides additional information in case the health check rule execution fails. The value of `severity` member is the severity of the failed rule.





- An `inputParameters` attribute is present for each user-defined value for parameters used when health check rule is evaluated. The value of `hcRule` member is the identifier of the *HcRule* MO for which a user-defined parameter was set. The value of `name` member is the name of the rule parameter. The value of `value` member is the user-defined value of the rule parameter.
- `progressReport` attribute holds details about last execution of the job as follows:
  - `actionName` is last action performed.
  - `progressInfo` attribute is a string representing the progress of last job execution. When the job execution is completed, it shows `Job Execution completed`.
  - `progressPercentage` attribute represents the percentage of job execution. Once the job completed execution, `progressPercentage=100` is shown.
  - `result` attribute represents last result of job execution, in terms of success or failure. If the job completed execution successfully `result=SUCCESS` is shown, if an error occurred `result=FAILURE` is shown.
  - `state` attribute represents last state of the job. When the job ended its execution successfully, `state=FINISHED` is shown. If the job terminated its execution because of an error `state=CANCELLED` and `result=FAILURE` are the provided printouts.
  - `timeActionCompleted` attribute is the date time of last job execution completion.
  - `timeActionStarted` attribute is the date time of last job execution start.
  - `timeOfLastStatusUpdate` attribute is the date time of last update of `state` attribute.
- `HcJobScheduler=1` is the *HcJobScheduler* child MO holding information to manage automatic start of a job at a specified time. For further details about how to schedule jobs according to each available policy, refer to the following documents:
  - *Schedule Health Check Job Based on Periodic Event*
  - *Schedule Health Check Job Based on Calendar Event*
  - *Schedule Single Health Check Job*
  - *Unlock Health Check Job Scheduler*
  - *Lock Health Check Job Scheduler*



— *Delete Scheduled Event*