

Modify Health Check Rule Parameter

OPERATING INSTRUCTIONS

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1 Introduction

This document describes how to modify values for parameters used when a health check rule is evaluated. The modification can be done before executing a specific health check job, and it applies only for that job. Default values are used if no user-defined values are set. The possibility to modify the criteria used for a rule evaluation is defined at node installation time.

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:

- The name of the health check job, for which a parameter (to be used during rule evaluation phase) must be modified, is known. For a description of how to create the job, refer to *Create Health Check Job*.
- The name of parameters and the new values to assign them are known. For instructions on how to retrieve customizable parameters, refer to *List Health Check Rules*.

Note: For a complete list of health check rule parameters, refer to the node-specific Health Check document.

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





2 Procedure

To set a value for a parameter to use at rule evaluation phase:

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. Navigate to the *HcJob* MO representing the health check job for which a customizable parameter value must be modified, for example:

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

3. Enter Config mode:

```
(HcJob=jobName) >configure
```

4. List all the already set rule parameters:

```
(config-HcJob=jobName) >show -v inputParameters
```

The following is an example output:

```
inputParameters [@1]
  hcRule="HcRule=HealthCheckFramework_003"
  name="idleCpuThreshold"
  value="99"
```

5. Is the parameter to be modified already present in the *inputParameters* list?

Yes: Proceed with Step 13.

No: Continue with the next step.

6. Add an *inputParameters* attribute:

```
(config-HcJob=jobName) >inputParameters
```

The system returns output:

```
(config-inputParameters [@<n>]) >
```

Where *n* is the index, in the *inputParameters* list, of the item currently adding.



Note: The `inputParameters` attribute has the following three mandatory members to be set:

- `hcRule`: the identifier of *HcRule* MO for which the parameter must be used.
- `name`: the name of the parameter for which a user-defined value is to be set.
- `value`: the user-defined value to be assigned to the parameter.

7. Set the `hcRule` member:

```
(config-inputParameters[@<n>])>hcRule="<rule_id>"
```

Note: The string `rule_id` identifies the *HcRule* MO for which the parameter must be set. It is expressed in the form of `HcRule=<hcRuleId>` where `hcRuleId` is the value of `hcRuleId` attribute of the *HcRule* MO. The `rule_id` must be in quotation marks.

The following is an example:

```
(config-inputParameters[@2])>hcRule="HcRule=HealthCheckFramework_002"
```

8. Set the `name` member:

```
(config-inputParameters[@n])>name=<parameter_name>
```

Note: The `parameter_name` is the name of the parameter for which a user-defined value is to be set.

The following is an example:

```
(config-inputParameters[@2])>name=usageThreshold
```

9. Set the `value` member:

```
(config-inputParameters[@<n>])>value=<parameter_value>
```

Note: The `parameter_value` is the user-defined value to be set.

The following is an example:

```
(config-inputParameters[@2])>value=70
```

10. Commit the operation:

```
(config-inputParameters[@<n>])>commit
```




If the commit is unsuccessful, an error message is shown. Possible causes of failure are the following:

- `rule_id` is not a valid rule identifier.
- `parameter_name` is not the name of a parameter for the rule specified by `rule_id`.
- The job for which the parameter is set is currently ongoing. It is not possible to set parameter for a job while it is executing.

11. Check the `inputParameters` creation:

```
(inputParameters[@<n>])>show
```

The following is an example output:

```
(inputParameters[@2])>
hcRule="HcRule=HealthCheckFramework_002"
  name="usageThreshold"
  value="70"
```

12. The procedure is complete.

13. Enter the `inputParameters` attribute holding values to be changed:

```
(config-HcJob=jobName)>inputParameters[@<n>]
```

Where `n` is the index, in the `inputParameters` list, of the item to be modified.

The following is an example output:

```
(config-inputParameters[@1])>
```

Note: In this case, the value to be changed is in the first element of `inputParameters` attribute list.

14. Set new values for members:

```
(config-inputParameters[@<n>])><member_name>="<new_member_value>"
```

The string `member_name` assumes one of the following values: `hcRule`, `name`, or `value`, according to which member must be modified. It is possible to modify all members, only some of them or just one. The `new_member_value` is the new value to set.

The following is an example output:

```
(config-inputParameters[@1])>value=67
```

15. Commit the operation:



```
(config-inputParameters[@<n>])>commit
```

If the commit is unsuccessful, an error message is shown. Possible error causes are the following:

- Modifying the `name` attribute: a `name` value not valid for the rule specified by `hcRule` member is detected.
- Modifying the `hcRule` member: a not valid rule identifier is detected.
- The job for which the parameter member value is modified, is currently ongoing. It is not possible to modify parameter values for a job while it is executing.

16. Show the modified rule parameter:

```
(inputParameters[@<n>])>show
```

The input parameter as modified is shown.

The following is an example output:

```
(inputParameters[@1])>
hcRule="HcRule=HealthCheckFramework_003"
  name="idleCpuThreshold"
  value="67"
```