

CSCF Domain Routing Function Memory Limit Reached

Call Session Control Function

OPERATING INSTRUCTIONS

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CSCF Domain Routing Function Memory Limit Reached



1 Alarm Description

The alarm CSCF Domain Routing Function Memory Limit Reached is raised when more memory than maximally allowed is used for the synchronization of the target configuration set, identified by the attribute `cscfDomainRoutingSelectedConfig`.

At initialization of the alarm, the requested Domain Routing Function (DRF) synchronization is ended and the DRF traffic handling is resumed using the existing active configuration set identified by the attribute `cscfDomainRoutingActiveConfig`. The alarm therefore does not affect traffic handling.

Table 1 CSCF Domain Routing Function Memory Limit Reached Alarm Causes

Alarm Cause	Description	Fault Reason	Fault Location	Impact
CSCF DRF memory limit has been reached.	CSCF DRF synchronization activities have crossed the maximal allowed memory limit, causing synchronization to end.	CSCF DRF memory limit was crossed, causing synchronization to stop.	The configuration or analysis tables of the modified DRF is larger than what the memory is dimensioned for, which is identified by the attribute <code>cscfDomainRoutingSelectedConfig</code> .	When the alarm is raised, the requested DRF synchronization is ended and the DRF traffic handling is resumed using the existing active configuration set identified by the attribute <code>cscfDomainRoutingActiveConfig</code> . The alarm therefore does not affect traffic handling.

Note: This alarm can appear as a result of maintenance activity.

Table 2 CSCF Domain Routing Function Memory Limit Reached Alarm Attributes

Attribute Name	Attribute Value
Major Type	193
Minor Type	6684706
Managed Object Class	<code>CscfDomainRoutingApplication</code>
Managed Object Instance	<code>ManagedElement=<node_name>,CscfFunction=1,CscfDomainRoutingApplication=CscfDomainRouting</code>



Attribute Name	Attribute Value
Specific Problem	CSCF Domain Routing Function Memory Limit Reached
Event Type	processingErrorAlarm (4)
Probable Cause	x733ConfigurationOrCustomizationError (307)
Additional Text	Memory limit is reached when building Domain Routing runtime Data.
Perceived Severity	minor (5)

2 Procedure

To correct the failure, reduce the amount of configuration data to be synchronized. When the configuration data has been modified, the alarm is cleared at the next successful synchronization of the tables, that is, when the `cscfDomainRoutingSyncConfig` is set to `true` again.

2.1 Handle Alarm CSCF Domain Routing Function Memory Limit Reached

Prerequisites

- This instruction references the following documents:
 - CSCF Configuration Management
 - Managed Object Model (MOM)
- No tools are required.
- The following condition must apply:
 - The alarm is raised.

Steps

1. Is it possible to remove or optimize the Domain Routing Matching Tables or reusing Domain Routing Results?

Yes: Make the adjustments at the maintenance center.

No: Consider to enforce the needed changes in the external DNS server.



2. Is the DRF application enabled and the CSCF application not supposed to be used?

Yes: Set `cscfDomainRoutingEnabled` to **false** to disable the DRF application.

No: Continue with the next step.

Note: Disabling the DRF application after receiving the alarm does not clear the alarm.

3. Reduce the amount of configuration data in the affected configuration set, as specified by the `cscfDomainRoutingSelectedConfig` attribute.

For more information about the configuration management parameters, refer to [Managed Object Model \(MOM\)](#) and [CSCF Configuration Management](#).

4. Set `cscfDomainRoutingSyncConfig` to **true**.

Result:

The alarm ceases at the next successful synchronization of the new configuration set.

5. Has the alarm ceased after correcting the configuration?

Yes: Proceed to Step 7.

No: Continue to the next step.

6. Consult the next level of maintenance support.

Further actions are outside the scope of this instruction.

7. Job is completed.