

DBS, Memory Limit Reached

OPERATING INSTRUCTIONS

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DBS, Memory Limit Reached



1 Alarm Description

The alarm is raised when Database Service (DBS) memory use exceeds a threshold.

Table 1 DBS Memory Limit Reached Alarm Causes

Alarm Cause	Description	Fault Reason	Fault Location	Impact
Out of memory	All available memory is allocated	One or more Database Network (DBN) instances consume all their record heap.	Heap memory	If a DBN instance runs out of record heap, database operations fail with retry status until memory becomes available
Uneven memory consumption	The memory consumption is uneven	Faulty allocation of persistent object to logical container (DU)	Memory	Service downtime or reduced service capacity when the problem is too often detected or when it persists
		Faulty pool allocation		
System overload	The system is overloaded	The system is overloaded	System dimensioning	
One or more processes of DBS leak memory	Memory leak in one or more DBS processes. The memory consumption increases.	A software component has a defective implementation and cannot, for example, clear data (Persistent Object Type instances) that is no longer used	Software component	Software crash leading to service downtime or reduced service capacity depending on redundancy

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



2 Procedure

2.1 Handle Alarm DBS Memory Limit Reached

Prerequisites

- This instruction references the following document:
 - [Data Collection Guideline](#)
- No tools are required.
- Before starting this procedure, ensure that the following condition is met:
 - The alarm is raised.

Steps

1. Is there is a reconfiguration operation in progress?
Yes: Wait for completion.
No: Decrease load on the cluster.
2. Is the alarm cleared?
Yes: Proceed with Step 5.
No: Continue with the next step.
3. Perform data collection, refer to [Data Collection Guideline](#).
4. Consult the next level of maintenance support. Further actions are outside the scope of this Operating Instruction.
5. Job is completed.