

# DBS, Memory Limit Reached

## OPERATING INSTRUCTIONS

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DBS, Memory Limit Reached



# 1 Alarm Description

The alarm is raised when DBN memory use exceeds a threshold.

Table 1 DBS Memory Limit Reached Alarm Causes

Alarm Cause	Description	Fault Reason	Fault Location	Impact
Reconfiguration ongoing	DBN is redistributing data either because a node being locked or unlocked or because a node failed.	N/A	N/A	Node lock, node unlock, and scaling operations must not be initiated until the alarm clears, as these can temporarily increase memory usage even more.
Overload	The system is overloaded.		Dimensioning	

**Note:** The alarm can be raised during a reconfiguration operation.

Table 2 Alarm Attributes

Attribute Name	Attribute Value/Interpretation
Major Type	193
Minor Type	917505
MO Class	DbSPU
Source	Format: <sup>(1)</sup> ManagedElement=1, SystemFunctions=1, Pm=1, PmJob=<threshold_job_name>, MeasurementReader=<measurement_reader_name>; PU=<Node_name>, EE=DBN
Specific Problem	DBS, Memory Limit Reached
Event Type	PROCESSINGERRORALARM
Probable Cause	outOfMemory (162)
Perceived Severity	Critical
Additional Text	Measurement type: Mem.RecordHeap.PUsed

(1) This attribute is filled by other CBA components, for example: CoreMW, COM SA. Therefore, the described format is only an example and can be different on the node.



## 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 the system overloaded?  
  
Yes: Decrease load on the cluster, if possible.  
  
No: Continue with the next step.
2. Is data redistribution (reconfiguration) in progress?  
  
Yes: Wait for the reconfiguration to finish, then continue with the next step.  
  
No: Consult the next level of maintenance support. Further actions are outside the scope of this Operating Instruction.
3. Is the alarm cleared?  
  
Yes: Job is completed.  
  
No: Consult the next level of maintenance support. Further actions are outside the scope of this Operating Instruction.