

SAF, AMF Component Instantiation Failed

Ericsson Centralized User Database

Operating Instructions

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SAF, AMF Component Instantiation Failed



1 Introduction

This instruction concerns alarm handling for the SAF , AMF Component Instantiation Failed alarm.

1.1 Alarm Description

This alarm is associated with the Service Availability Forum (SAF). Refer to CUDB Node Fault Management Configuration Guide for more details.

For information on the possible alarm causes and the corresponding fault reasons, fault locations, and impacts, refer to COM SA, AMF Component Instantiation Failed.

The alarm attributes are listed and explained in [Table 1](#).

Table 1 Alarm Attributes

| Attribute Name | Attribute Value |
|------------------------------|--|
| Auto Cease | Yes |
| Module | SAF |
| Error Code | 3 |
| Timestamp First | Date and time when the alarm was raised for the first time. |
| Repeated Counter | Number which indicates how many times the alarm was raised. |
| Timestamp Last | Date and time of the most recent alarm raise. |
| Resource ID | .1.3.6.1.4.1.193.169.9.3. <length> . <NOI> |
| Alarm Model Description | AMF Component Instantiation, SAF |
| Alarm Active Description | SAF platform: AMF Component Instantiation @ <NON> |
| ITU Alarm Event Type | other (1) |
| ITU Alarm Probable Cause | softwareProgramError (546) |
| ITU Alarm Perceived Severity | (3) - Critical |
| Originating source IP | Node IP where the alarm was raised. |
| Sequence Number | Number which indicates the order in which the alarms are raised. |

For further information about attribute descriptions, refer to CUDB Node Fault Management Configuration Guide.

In [Table 1](#), the indicated variables are as follows:

- <NON> is the notifying object name that indicates where the component that generates the alarm is. For example:

```
ManagedElement=1,SaAmfApplication.safApp=ERIC-
CUDB_CUDBOI,SaAmfSG.safSg=2N,SaAmfSU.safSu=SC-1,SaAmfComp.safComp=CUDBOI
```



- `<NOI>` is the notifying object identifier. It corresponds to `<NON>` in a dot-separated, ASCII-decimal-encoded, character-per-character format without the starting string "ManagedElement=1,". The "SAF, AMF Component Cleanup Failed" alarm `<NOI>` has been shortened to comply with the SNMP standard of maximum 128 characters. For example:

```
.
83.97.65.109.102.65.112.112.108.105.99.97.116.105.111.110.46.1
15.97.102.65.112.112.61.69.82.73.67.45.67.85.68.66.95.67.85.68
.
66.79.73.44.83.97.65.109.102.83.71.46.115.97.102.83.103.61.50.
78.44.83.97.65.109.102.83.85.46.115.97.102.83.117.61.83.67.45.
49.44.83.97.65.109.102.67.111.109.112.46.115.97.102.67.111.109
.112.61.67.85.68.66.79.73 for SaAmfApplication.safApp=ERIC-
CUDB_CUDBOI,SaAmfSG.safSg=2N,SaAmfSU.safSu=SC-1,SaAmfComp.safC
omp=CUDBOI.
```

- `<length>` is the number of characters in `<NON>` without the starting string "ManagedElement=1,", which is equivalent to the number of octets in `<NOI>`. In the previous example, `<length>` is 101.

1.2 Prerequisites

This section provides information on the documents, tools, and conditions that apply to the procedure.

1.2.1 Documents

This instruction references the following documents:

- COM SA, AMF Component Instantiation Failed
- Core MW Management Guide
- CUDB Node Fault Management Configuration Guide

1.2.2 Tools

Not applicable.

1.2.3 Conditions

Not applicable.



2 Procedure

Perform the following steps:

Steps

1. In a first approach, the alarm can be cleared with the previous <NON> , <NOI> and <length> and the following command:

— If the alarm is on SC 1:

```
cmw-alarm-clear instantiation  
'ManagedElement=1,SaAmfApplication.safApp=ERIC-  
CUDB_CUDBOI,SaAmfSG.safSg=2N,SaAmfSU.safSu=SC-1,SaAmfComp.s  
afComp=CUDBOI'
```

— If the alarm is on SC 2:

```
cmw-alarm-clear instantiation  
'ManagedElement=1,SaAmfApplication.safApp=ERIC-  
CUDB_CUDBOI,SaAmfSG.safSg=2N,SaAmfSU.safSu=SC-2,SaAmfComp.s  
afComp=CUDBOI'
```

Refer to Core MW Management Guide for more information on the cmw-alarm-clear command.

2. For further details, follow the instructions specified in COM SA, AMF Component Instantiation Failed. Refer to Core MW Management Guide for more information on the commands used in the procedure.
3. Further actions are outside the scope of this Operating Instruction.



Glossary

For the terms, definitions, acronyms and abbreviations used in this document, refer to CUDB Glossary of Terms and Acronyms