

SAF, AMF Component Instantiation Failed

Ericsson Centralized User Database

OPERATING INSTRUCTION

Copyright

© Ericsson AB 2016, 2017. All rights reserved. No part of this document may be reproduced in any form without the written permission of the copyright owner.

Disclaimer

The contents of this document are subject to revision without notice due to continued progress in methodology, design and manufacturing. Ericsson shall have no liability for any error or damage of any kind resulting from the use of this document.

Trademark List

All trademarks mentioned herein are the property of their respective owners. These are shown in the document Trademark Information.



Contents

1	Introduction	1
1.1	Alarm Description	1
1.2	Prerequisites	2
2	Procedure	5
	Reference List	7



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*, Reference [2] 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*, Reference [2].

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*, Reference [1].

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_CUDB
OI, SaAmfSG.safSg=2N, SaAmfSU.safSu=SC-1, SaAmfComp.saf
Comp=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:

```
.83.97.65.109.102.65.112.112.108.105.99.97.116.1
05.111.110.46.115.97.102.65.112.112.61.69.82.73.
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
.83.97.65.109.102.83.85.46.115.97.102.83.117.61.8
3.67.45.49.44.83.97.65.109.102.67.111.109.112.46.
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.safComp=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

Before starting this procedure, ensure that you have read the following documents:

- *CUDB Node Fault Management Configuration Guide*, Reference [1], regarding alarm configuration.
- *System Safety Information*, Reference [3]
- *Personal Health and Safety Information*, Reference [4]

1.2.2 Tools

Not applicable.



1.2.3

Conditions

Not applicable.



SAF, AMF Component Instantiation Failed



2 Procedure

Perform the following 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_CUD`
`BOI,SaAmfSG.safSg=2N,SaAmfSU.safSu=SC-1,SaAmfComp.safC`
`omp=CUDBOI '`

If the alarm is on SC 2: `cmw-alarm-clear instantiation`
`'ManagedElement=1,SaAmfApplication.safApp=ERIC-CUDB_CUD`
`BOI,SaAmfSG.safSg=2N,SaAmfSU.safSu=SC-2,SaAmfComp.safC`
`omp=CUDBOI '`

Refer to *Core MW Management Guide*, Reference [5] for more information on the `cmw-alarm-cease` command.

2. For further details, follow the instructions specified in *COM SA, AMF Component Instantiation Failed*, Reference [2]. Refer to *Core MW Management Guide*, Reference [5] for more information on the commands used in the procedure.
3. Further actions are outside the scope of this Operating Instruction.



SAF, AMF Component Instantiation Failed



Reference List

CUDB Documents

- [1] *CUDB Node Fault Management Configuration Guide*

Other Ericsson Documents

- [2] *COM SA, AMF Component Instantiation Failed*
- [3] *System Safety Information*
- [4] *Personal Health and Safety Information*
- [5] *Core MW Management Guide*