

Diameter AAA, GEO IP DB Empty IPWorks

OPERATING INSTRUCTIONS

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1 Introduction

This instruction concerns alarm handling.

1.1 Alarm Description

This alarm is raised when the database table of GeoIP `ipworks.aaageoipv4` for Diameter AAA is empty.

The possible alarm causes and the corresponding fault reasons, fault locations, and impacts are described in Table 1.

Table 1 Alarm Causes

Alarm Cause	Description	Fault Reason	Fault Location	Impact	Solution
Lack of data.	The alarm is raised because table <code>ipworks.aaageoipv4</code> is empty.	User doesn't load the data when opening Wi-Fi Mobility Management feature.	MySQL	AAA server cannot provide service.	See Section 2 on page 3.

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

The alarm attributes are listed and explained in Table 2.

Table 2 Alarm Attributes

Attribute Name	Attribute Value
Major Type	193
Minor Type	864261
Managed Object Class	<code>IpworksDiameterAAA</code>
Source	<code>ManagedElement=<Node Name>,SystemFunctions=1,Fm=1,FmAlarmModel=ipworksDiameterAAA,FmAlarmType=ipworksDiameterAAAGeoIPDBEmpty</code>
Specific Problem	Diameter AAA, GEO IP DB Empty



Attribute Name	Attribute Value
Event Type	processingErrorAlarm(4)
Probable Cause	x733ApplicationSubsystemFailure(302)
Additional Text	This alarm is raised when the database of GeoIP for Diameter AAA is empty.;uuid:<Product_UUID> ⁽¹⁾
Perceived Severity	Critical

(1) <Product_UUID> is the universally unique identifier (UUID) of machine that generates the alarm. The value can be fetched from `/sys/devices/virtual/dmi/id/product_uuid` on the PL node.

1.2 Prerequisite

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 *Fault Management* has been read.

1.2.2 Tools

Not Applicable

1.2.3 Conditions

Not Applicable

1.3 Related Information

Trademark information, typographic conventions, and definition and explanation of abbreviations and terminology can be found in the following documents:

- *Trademark Information*
- *Typographic Conventions*
- *Glossary of Terms and Acronyms*



2 Procedure

To clear the alarm, do the following:

1. Log on to the MySQL CLI in SC-1.

```
SC-1:~ # /usr/local/mysql/bin/mysql -P 3307  
--protocol=tcp
```

2. Check if the table `ipworks.aaageoipv4` is empty.

```
mysql>select count(*) from aaageoipv4;
```

```
+-----+  
| count(id) |  
+-----+  
|          0 |  
+-----+
```

3. If result is zero, import data and ensure the result of above command is no-zero.

For more information, refer to the Section *Configuring Geography IP Data* in *Configure EPC AAA*.





Reference List

Ericsson Documents

- [1] *Trademark Information*
- [2] *Typographic Conventions*
- [3] *Glossary of Terms and Acronyms*
- [4] *Fault Management*
- [5] *Configure EPC AAA*