

Security, Root Login Failed

Ericsson Centralized User Database

OPERATING INSTRUCTION

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Contents

1	Introduction	1
1.1	Alarm Description	1
1.2	Prerequisites	2
2	Procedure	5
	Glossary	7
	Reference List	9



Security, Root Login Failed



1 Introduction

This document provides the description and troubleshooting steps to take for the Security, Root Login Failed alarm.

1.1 Alarm Description

This alarm is raised when a user fails logging in to a Ericsson Centralized User Database (CUDb) node as root.

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
A user has failed logging in to a CUDb node using root access.	Authentication Fault.	A user has failed logging in to a CUDb node using root access.	Operating System.	User is not correctly authenticated and root access to the system is not granted.

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
Auto Cease	No
Module	SECURITY(11)
Error Code	2
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 raised.
Resource ID	.1.3.6.1.4.1.193.169.11.2.<IP representation>
Alarm Model Description	Root Login Failed, Security.
Alarm Active Description	Security: Root Login Failed @<IP>
ITU Alarm Event Type	securityServiceOrMechanismViolation (10)
ITU Alarm Probable Cause	authenticationFailure (600)
ITU Alarm Perceived Severity	(6) - Warning



Attribute Name	Attribute Value
Originating Source IP	Node IP where the alarm was raised.
Sequence Number	Number which indicates the order in which alarms were raised.

In Table 2, the indicated variables are as follows:

- *<IP representation>*: The representation of the Internet Protocol (IP) address of the node from which the login attempt was made towards the CUDB node.

In case of IPv4 type, the address is represented in original format, that is [0-255] . [0-255] . [0-255] . [0-255] .

In case of IPv6 type, the address is represented in decimal format, by replacing each hexadecimal block with its decimal representation, for example, IPv6 address 2001:1b70:8294:3d84::3 is represented by 8193.7024.33428.15748.0.3.

- *<IP>*: The original IP address of the node from which the login attempt was made towards the CUDB node.

For more information about attribute descriptions, refer to the *Alarm Format and Description* section of *CUDB Node Fault Management Configuration Guide*, Reference [1].

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:

- *System Safety Information*, Reference [5].
- *Personal Health and Safety Information*, Reference [6].
- *CUDB Node Fault Management Configuration Guide*, Reference [1].

1.2.2 Tools

Not applicable.

**1.2.3****Conditions**

Not applicable.



Security, Root Login Failed



2 Procedure

If the alarm is raised, perform the following steps:

1. Make backup copies of the log files to preserve evidence of the (attempted) intrusion.
2. Examine the security log file to determine the source of the intrusion. For more information about logging information in CUDB, refer to *CUDB Node Logging Events*, Reference [2].
3. If the log file analysis indicates that an unauthorized operation was successful, seek further advice in order to secure the system again. For more information about security configuration in CUDB, refer to *CUDB Security and Privacy Management*, Reference [3].
4. Once system security has been reestablished, refer to *CUDB Node Fault Management Configuration Guide*, Reference [1] to manually clear the alarm.

Further actions are outside the scope of this Operating Instruction.



Security, Root Login Failed



Glossary

For the terms, definitions, acronyms and abbreviations used in this document, refer to *CUDB Glossary of Terms and Acronyms*, Reference [4].



Security, Root Login Failed



Reference List

CUDB Documents

- [1] *CUDB Node Fault Management Configuration Guide*
- [2] *CUDB Node Logging Events*
- [3] *CUDB Security and Privacy Management*
- [4] *CUDB Glossary of Terms and Acronyms*

Other Ericsson Documents

- [5] *System Safety Information*
- [6] *Personal Health and Safety Information*