

# Local Authentication, Authentication Failure Limit Reached

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## OPERATING INSTRUCTIONS

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Local Authentication, Authentication Failure Limit Reached



# 1 Alarm Description

The alarm is issued when the authentication failure limit is reached for the Administrator account. A password cracking attack is suspected.

*Table 1 Local Authentication, Authentication Failure Limit Reached Alarm Causes*

Alarm Cause	Description	Fault Reason	Fault Location	Impact
Several consecutive failed logon attempts for the Administrator account.	The number of failed logon attempts on Administrator account exceed the threshold <code>passwordMaxFailure</code> within the time interval <code>passwordFailureCountInterval</code> .	Someone is trying to log on to Administrator account with wrong user credentials.	Administrator account	Unallowed access to the Administrator account.

## 2 Procedure

### 2.1 Handle Alarm Local Authentication, Authentication Failure Limit Reached

#### Prerequisites

- No documents are required.
- No tools are required.
- The following conditions must apply:
  - The alarm is raised.
  - The user has sufficient access rights to perform the task, for example, the user has system security administrator role, and root privileges to access operating system logs.
  - An Ericsson Command-Line Interface (ECLI) session in Exec mode is in progress.

#### Steps



1. Navigate to the *AdministratorAccount* managed object given in the alarm, for example:

```
>dn ManagedElement=NODE06ST, SystemFunctions=1, SecM=1, UserManagement=1, LocalAuthenticationMethod=1, AdministratorAccount=la-admin
```

2. Check how many failed attempts have been made to the Administrator account during the `passwordFailureCountInterval`:

```
(AdministratorAccount=la-admin)>show -r passwordFailureTimes
```

The following is an example output:

```
AdministratorAccount=la-admin
passwordFailureTimes
    "2015-02-02T17:15:02Z"
    "2015-02-03T13:47:53Z"
    "2015-02-03T13:53:28Z"
    "2015-02-03T13:55:16Z"
    "2015-02-03T13:59:03Z"
    "2015-02-03T14:03:17Z"
    "2015-02-03T14:04:18Z"
    "2015-02-03T14:06:27Z"
```

**Note:** Successful authentication to the `AdministratorAccount` clears the `passwordFailureTimes` list.

3. Provide the information to the security organization.
4. Clear the alarm:

```
(AdministratorAccount=la-admin)>clearFailedAuthenticationAlarm
```

5. Job is completed.