

Configure Preventive Maintenance Policy Deleting Files in Logical File System

OPERATING INSTRUCTIONS

Copyright

© Ericsson AB 2014, 2015. 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	Prerequisites	1
2	Procedure	3





1 Introduction

This document describes how to configure a file group preventive maintenance policy, which automatically deletes files in the logical file system. Automatic file deletion is used to avoid storage issues in the Managed Element (ME) and is applied to files that are no longer of interest for the user.

The following two automatic file deletion policy aspects can be configured:

- Automatic deletion, where files are automatically deleted when a limit is exceeded. Files are deleted when the number of files in a file group subtree, or a size of a file group subtree exceeds a limit.
- Automatic deletion, where each file in a file group subtree is kept a maximum, specified time.

The procedure in this document focuses on the latter case.



Do!

Carefully read the following information before proceeding.

File group preventive maintenance policies must not be configured for the predefined file groups `PerformanceManagementReportFiles`, `AlarmLogs`, and `AlertLogs`. These file groups are subject to internal preventive maintenance policies.

It is recommended not to configure more than one `FileGroupPolicy` Managed Object (MO) per file group subtree, to keep the configuration simple.

1.1 Prerequisites

This section describes the prerequisites, which must be fulfilled before using the procedure.

1.1.1 Conditions

The following conditions must apply:

- The user has appropriate access rights to the `FileGroup` MO, matching the visible directories that have been set according to the security rules described in *Section 6* in *File Management*.



- A file group exists.

The file group is called `Function1Files` in this document.

- The retention time to set is known.
- An Ericsson Command-Line Interface (ECLI) session in Exec mode is in progress.



2 Procedure

To configure a file group preventive maintenance policy in the logical file system:

1. Navigate to the *FileM* MO, for example:

```
>dn ManagedElement=NODE06ST, SystemFunctions=1, FileM=1
```

2. Enter Config mode:

```
(FileM=1) >config
```

3. Create the *FileGroupPolicy* MO, for example:

```
(config-FileM=1) >FileGroupPolicy=3daysRetention
```

4. Associate the policy to the chosen file group:

```
(config-FileGroupPolicy=3daysRetention) >fileGroup="ManagedElement=NODE06ST, SystemFunctions=1, FileM=1, LogicalFs=1, FileGroup=Function1Files"
```

5. Define the attribute values of the new MO, for example:

```
(config-FileGroupPolicy=3daysRetention) >retentionTime=4320
```

This example value means that files older than 3 days (4320 minutes) in the file group are deleted automatically. Attribute `fullFileGroupAction` is left at the default value (that is, `DISCARD_OLDEST`).

6. Commit the definition:

```
(config-FileGroupPolicy=3daysRetention) >commit
```

7. Verify that the new file group policy exists and the attribute values are correct, for example:

```
(FileGroupPolicy=3daysRetention) >show -v
```

The following is an example output:

```
FileGroupPolicy=3daysRetention
  fileGroup="ManagedElement=NODE06ST, SystemFunctions=1, FileM=1, =>
LogicalFs=1, FileGroup=Functions1Files"
  fileGroupPolicyId=3daysRetention
  fullFileGroupAction=DISCARD_OLDEST <default>
  maxFileGroupSize=0 <default>
  maxNumberFiles=0 <default>
  retentionTime=4320
  userLabel=[] <empty>
```