

Generate Fingerprint for File

OPERATING INSTRUCTIONS

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1 Introduction

This document describes how to generate a fingerprint for a file.

Fingerprints, also known as digests, are calculated on the entire provided Certificate Management file.

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 the System Security Administrator role.
- An Ericsson Command-Line Interface (ECLI) session in Exec mode is in progress.



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2 Procedure

To generate a fingerprint for a file, for example:

1. Navigate to the *CertMCapabilities* managed object:

```
>dn ManagedElement=NODE06ST,SystemFunctions=1,SecM=1,CertM=1,CertMCapabilities=1
```

2. Show attribute `fingerprintSupport`:

```
(CertMCapabilities=1)>show fingerprintSupport
```

The output shows the algorithm used for calculating the fingerprint, for example:

```
fingerprintSupport=SHA_224
```

Here, `SHA_224` denotes the algorithm in use.

Note: `SHA_224` corresponds to the `openssl` command-line option `-sha224` in the next step.

3. Using a command shell, manually generate the fingerprint for a file using command `openssl` with the algorithm specified in attribute `fingerprintSupport` as an input option. For example:

```
shell$ openssl dgst -c -hex -sha224 node06stNodeCredential1.p12
```

Here, the algorithm used is `-sha224`.

The output reflects the algorithm used, for example:

```
SHA224 (node06stNodeCredential1.p12)= ba:41:ac:4f:b3:00:10:98:28:47:36:b1:eb:d9:66:33:69:05:7d:c2
```

Note: The extra space character between `=` and fingerprint `ba:41:ac:4f:b3:00:10:98:28:47:36:b1:eb:d9:66:33:69:05:7d:c2` does not belong to the fingerprint itself.