

Create SNMPv3 Target

OPERATING INSTRUCTIONS

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1 Introduction

This document describes how to create an SNMPv3 target. An SNMPv3 target is created to forward Simple Network Management Protocol (SNMP) notifications to a management system over the SNMPv3 protocol.

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 target IP address is known and according to the network IP plan.
- The new attribute values of Managed Object (MO) `SnmpTargetV3` are known.
- The `SnmpSecurityName` of `SnmpTargetV3` must be unique for each v3 target.
- An Ericsson Command-Line Interface (ECLI) session in Exec mode is in progress.





2 Procedure

To create an SNMPv3 target:

1. Navigate to the `Snmp` MO, for example:

```
>dn ManagedElement=NODE06ST,SystemFunctions=1,SysM=1,Snmp=1
```

2. Enter Config mode:

```
(Snmp=1)>configure
```

3. Create an SNMPv3 target, for example:

```
(config-Snmp=1)>SnmpTargetV3=OSS_v3
```

4. For the `SnmpTargetV3` MO, set the attributes, for example:

```
(config-SnmpTargetV3=OSS_v3)>snmpSecurityLevel=AUTH_PRIV
```

```
(config-SnmpTargetV3=OSS_v3)>privProtocol=DES
```

```
(config-SnmpTargetV3=OSS_v3)>authProtocol=MD5
```

```
(config-SnmpTargetV3=OSS_v3)>user="user1"
```

```
(config-SnmpTargetV3=OSS_v3)>address="192.0.2.10"
```

```
(config-SnmpTargetV3=OSS_v3)>port=1162
```

```
(config-SnmpTargetV3=OSS_v3)>privKey="myprivatekey" cleartext
```

```
(config-SnmpTargetV3=OSS_v3)>authKey="myauthorizationkey"  
cleartext
```

5. Commit the settings:

```
(config-SnmpTargetV3=OSS_v3)>commit
```

6. Verify the settings:

```
(SnmpTargetV3=OSS_v3)>show -v
```

The following is an example output:



```
SnmpTargetV3=OSS_v3
address="192.0.2.10"
administrativeState=UNLOCKED <default>
authKey="myauthorizationkey"
authProtocol=MD5 <default>
informRetryCount=1 <default>
informTimeout=300 <default>
isMibWritable=true <default>
operationalState=ENABLED <read-only>
port=1162
privKey="myprivatekey"
privProtocol=DES <default>
snmpSecurityLevel=AUTH_PRIV <default>
snmpTargetV3Id=OSS_v3
transportMethod=TRAP <default>
user="user1"
```