

Create SNMPv3 Target

OPERATING INSTRUCTIONS

Copyright

© Ericsson AB 2016, 2017. 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	Description	1
2	Procedure	1
2.1	Create SNMPv3 Target	1





1 Description

This instruction 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.

2 Procedure

2.1 Create SNMPv3 Target

Prerequisites

- No documents are required.
- No tools are required.
- 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.

Steps

1. Navigate to the `Snmp` MO, for example:
`>dn ManagedElement=N0DE06ST,SystemFunctions=1,SysM=1,Snmp=1`
2. Enter Config mode:
`(Snmp=1)>configure`
3. Create an SNMPv3 target, for example:
`(config-Snmp=1)>SnmpTargetV3=0SS_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"
```

Note: If SNMP target configured with transportMethod INFORM, then the target must be reachable (up and running) to provide the remoteEngineId in order to avoid the SNMPD restart by COM due to bug in NETSNMP.