

# Configure Target-Based Access Control

---

## 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

<b>1</b>	<b>Description</b>	<b>1</b>
<b>2</b>	<b>Procedure</b>	<b>1</b>
2.1	Configure Target-Based Access Control	1





# 1 Description

This instruction describes how to configure the Target-Based Access Control (TBAC). TBAC is a selective authentication method that determines if a user is allowed to access a specific Managed Element (ME) based on the target type value.

A target type value can have been set at initial configuration. The Security Administrator must change the target type value when the existing settings no longer match the operator organization needs, for example, in the following situations:

- The ME must become part of a different geographical domain.
- The ME needs to become part of a different functional domain.
- The ME needs to become part of a different skills domain.

# 2 Procedure

## 2.1 Configure Target-Based Access Control

### Prerequisites

- This instruction references the following documents:
  - *Configure LDAP Basic Connection*
  - *Configure Target Type Identifiers*
  - *Configure TLS for LDAP*
- No tools are required.
- The following conditions must apply:
  - The user has the System Security Administrator role.
  - The ME is configured to connect with remote LDAP server, refer to *Configure LDAP Basic Connection* and *Configure TLS for LDAP*.
  - The user profiles are updated with target qualifiers in the LDAP server.



- The new target type value is known.
- An Ericsson Command-Line Interface (ECLI) session in Exec mode is in progress.
- Profile filter is set to `ERICSSON_FILTER` in *Ldap* Managed Object (MO).

## Steps

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

```
>dn ManagedElement=NODE06ST,SystemFunctions=1,SecM=1,U  
serManagement=1
```

2. Enter Config mode:

```
(UserManagement=1)>configure
```

3. Set the target type, for example:

```
(config-UserManagement=1)>targetType="ims.kista.se"
```

The value is used when a role defined in the LDAP database is prefixed with the target type. Role definitions where the target type prefix does not match are skipped. For more information about configuring `targetType`, refer to *Configure Target Type Identifiers*.

4. Commit the setting:

```
(config-UserManagement=1)>commit
```

5. Verify the result:

```
(UserManagement=1)>show
```

The following is an example output:

```
UserManagement=1  
  targetType  
    "ims.kista.se"  
  userLabel="Selective authentication for Kista site"  
  userManagementId=1
```

6. Navigate to the *EricssonFilterMO*, for example:

```
>dn ManagedElement=NODE06ST,SystemFunctions=1,SecM=1,Us  
erManagement=1,LdapAuthenticationMethod=1,Ldap=1,Erics  
sonFilter=1
```

7. Enter Config mode:

```
(EricssonFilter=1)>configure
```



8. Enable TBAC:

```
(config-EricssonFilter=1)>targetBasedAccessControl=UNLOCKED
```

9. Commit the setting:

```
(config-EricssonFilter=1)>commit
```

10. Verify the result:

```
(EricssonFilter=1)>show -r ..
```

The following is an example output:

```
Ldap=1
  baseDn="dc=my-domain,dc=com"
  fallbackLdapIpAddress="192.168.0.11"
  ldapIpAddress="192.168.0.10"
  profileFilter=ERICSSON_FILTER
  useTls=false
  EricssonFilter=1
    targetBasedAccessControl=UNLOCKED
```