

# View SSH Algorithms

## OPERATING INSTRUCTIONS

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# 1 Description

This instruction describes how to view supported Secure Shell (SSH) algorithms.

The value of attribute `selectedCiphers` consists of a string list of ciphers. The string list must include at least one string. Each algorithm in the list must be in the `supportedCiphers` list.

The value of attribute `selectedKeyExchanges` consists of a string list of key exchanges. The string list must include at least one string. Each algorithm in the list must be in the `supportedKeyExchanges` list.

The value of attribute `selectedMacs` consists of a string list of message authentication code. The string list must include at least one string. Each algorithm in the list must be in the `supportedMacs` list.

# 2 Procedure

## 2.1 View SSH Algorithms

### Prerequisites

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

### Steps

1. Navigate to `Ssh` Managed Object (MO), for example:  

```
>dn ManagedElement=N0DE06ST,SystemFunctions=1,SecM=1,Ssh=1
```
2. Verify the SSH algorithm format:  

```
(Ssh=1)>show -v
```

The following is an example output:



```
[...]
supportedCiphers <read-only>
  "aes256-ctr"
  "aes192-ctr"
  "aes128-ctr"
  "aes256-cbc"
  "aes192-cbc"
  "aes128-cbc"
  "cast128-cbc"
  "rijndael-cbc@lysator.liu.se"
  "blowfish-cbc"
  "3des-cbc"
  "arcfour"
  "arcfour128"
supportedKeyExchanges <read-only>
  "diffie-hellman-group-exchange-sha1"
  "diffie-hellman-group14-sha1"
  "diffie-hellman-group1-sha1"
supportedMacs <read-only>
  "hmac-ripemd160@openssh.com"
  "hmac-ripemd160"
  "hmac-sha1-96"
  "hmac-sha1"
  "hmac-md5-96"
  "hmac-md5"
```