

# View SSH Algorithms

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## OPERATING INSTRUCTIONS

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# 1 Introduction

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

## 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.





## 2 SSH Algorithm Format

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

To view the SSH algorithm format:

1. 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"
```