

Specifying Access Privileges for JUNOS Software Configuration Mode Commands

You can specify extended regular expressions with the `allow-configuration` and `deny-configuration` attributes to define user access privileges to parts of the configuration hierarchy or individual configuration mode commands. Doing so overrides login class permission bits set for a user. You can also use wildcards to restrict access. When you define access privileges to parts of the configuration hierarchy or individual configuration mode commands, do the following:

- Specify the full paths in the extended regular expressions with the `allow-configuration` and `deny-configuration` attributes.
- Enclose parentheses around an extended regular expression that connects two or more expressions with the pipe `|` symbol. For example:

```
[edit system login class class-name]  
user@host# set deny-configuration "(system login class) | (system services)"
```



NOTE: Each expression separated by a pipe (`|`) symbol must be a complete standalone expression, and must be enclosed in parentheses (`()`). Do not use spaces between regular expressions separated with parentheses and connected with the pipe (`|`) symbol. You cannot define access to keywords such as `set`, `edit`, or `activate`.

To explicitly allow an individual configuration mode command that would otherwise be denied, include the `allow-configuration` statement at the `[edit system login class class-name]` hierarchy level:

```
[edit system login class class-name]  
allow-configuration "regular-expression";
```

To explicitly deny an individual configuration mode command that would otherwise be allowed, include the `deny-configuration` statement at the `[edit system login class class-name]` hierarchy level:

```
[edit system login class class-name]  
deny-configuration "regular-expression";
```

You can include one `deny-configuration` and one `allow-configuration` statement in each login class.

- Related Topics**
- Example: Defining Access Privileges for Configuration Mode Commands
 - Regular Expressions for Allowing and Denying JUNOS Software Configuration Mode Commands
 - Configuring Access Privilege Levels