

Configuring an SRC Login Class

Use the following configuration statements to configure login classes at the [edit] hierarchy level:

```
system login class name {  
  allow-commands allow-commands;  
  allow-configuration allow-configuration;  
  deny-commands deny-commands;  
  deny-configuration deny-configuration;  
  idle-timeout idle-timeout;  
  permissions  
}
```

To configure a login class:

1. From configuration mode, access the configuration statement that configures login classes, and assign a name to the login class.

```
[edit]  
user@host# edit system login class name
```

2. Specify the permissions for the login class.

```
[edit system login class name ]  
user@host# set permissions permissions
```

For example, the following statement specifies that the user-account class can configure and view only user accounts:

```
[edit system login class user-accounts]  
user@host# set permissions [configure admin admin-control]
```

The following statement specifies that the network-mgmt class can configure and view only SNMP parameters:

```
[edit system login class network-mgmt]  
user@host# set permissions [configure snmp snmp-control]
```

3. (Optional) Configure access to specified operational mode commands that would otherwise be denied.

```
[edit system login class name ]  
user@host# set allow-commands allow-commands
```

For example, the following statement specifies that the network-mgmt class can install system software:

```
[edit system login class network-mgmt]  
user@host# set allow-commands "request system install"
```

4. (Optional) Deny access to specified operational mode commands that would otherwise be allowed.

```
[edit system login class class-name ]
user@host# set deny-commands deny-commands
```

For example, the following statement specifies that the remote class cannot connect to the SRC software through Telnet:

```
[edit system login class remote]
user@host# set deny-commands telnet
```

5. (Optional) Configure access to specified configuration mode commands that would otherwise be denied.

```
[edit system login class name ]
user@host# set allow-configuration allow-configuration
```

For example, the following statement specifies that the network-mgmt class can issue configuration mode commands at the [routing-options] hierarchy level:

```
[edit system login class network-mgmt]
user@host# set allow-configuration " routing options"
```

6. (Optional) Deny access to specified configuration mode commands that would otherwise be allowed.

```
[edit system login class name ]
user@host# set deny-configuration deny-configuration
```

For example, the following statement specifies that the network-mgmt class does not have access to the [snmp address] hierarchy level:

```
[edit system login class network-mgmt]
user@host# set deny-configuration " snmp address"
```

7. Specify the number of minutes that a session can be idle before it is automatically closed.

```
[edit system login class class-name]
user@host# set idle-timeout minutes
```

8. Display the results of the configuration.

```
[edit system login]
user@host# show

class network-mgmt {
  allow-commands "request system install";
  allow-configuration routing-options;
  deny-configuration "snmp address";
}
class remote {
  deny-configuration "system services telnet";
  permissions all;
}
```

**Examples: Configuring
Access Privileges for
SRC Operational Mode
Commands**

The following example allows access to the `request system reboot` command for the login class `operator-and-boot` that has operator privileges defined by the `clear`, `network`, `reset`, and `view` permissions.

```
[edit system login class operator-and-boot]
user@host# set permissions [ clear network reset view ]
user@host# set allow-commands "request system reboot"
```

The following example denies access to `set` commands for the login class `operator-no-set` that has operator privileges defined by the `clear`, `network`, `reset`, and `view` permissions.

```
[edit system login class operator-no-set]
user@host# set permissions [ clear network reset view ]
user@host# set deny-commands "set"
```

The following example allows software installation but denies access to the `show nic` command for the login class `operator-no-set` that has operator privileges defined by the `clear`, `network`, `reset`, and `view` permissions.

```
[edit system login class operator-and-install-no-nic]
user@host# set permissions [ clear network reset view ]
user@host# set allow-commands "request system install"
user@host# set deny-commands "show nic"
```

**Examples: Defining
Access Privileges for
SRC Configuration Mode
Commands**

The following example does not allow access the C-series Controller through a Telnet session for the login class `remote` that has permission set to `all` :

```
[edit system login class remote]
user@host# set permissions all
user@host# set deny-configuration "system services telnet"
```

The following example does not allow access to any login class whose name begins with “ m” for the login class `local` that has permission set to `all`:

```
[edit system login class local]
user@host# set permissions all
user@host# set deny-configuration "system login class m.*"
```

The following example does not allow access to configuration mode commands at the `[system login class]` or `[system services hierarchy]` levels for the login class `config-admin` that has permission set to `all`:

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

Related Topics

- Configuring Login Classes (C-Web Interface)
- Configuring a System Login Announcement (SRC CLI)
- Viewing Information About the Users on the System

- Configuring Authentication for SRC User Accounts
- Example: SRC User Accounts