



UNIX-Style Syntax for rlogin Connections

Feature Summary

The **rlogin** command now supports the standard Berkeley Software Distribution (BSD) UNIX **-l** option.

The previous EXEC level **rlogin** command allowed remote users to log in using the **/user username** option, which was not compatible with the standard UNIX **rlogin -l username** option.

Benefits

Support for the UNIX-style **rlogin** command allows users with existing BSD UNIX dial-up scripts to use these scripts without modification.

Platforms

This feature is supported on all of Cisco's TCP/IP-enabled routers and access servers.

Supported MIBs and RFCs

None.

Configuration Tasks

The following tasks are required to use rlogin:

- Enter the name of the host.
- Enter the name of the remote user. Use either the **/user** or the **-l** option.
- Specify **debug** to debug the remote connection.

Configure

Table 1 **Configuring rlogin**

Step	Command	Purpose
1	4500> enable Password: <password> 4500>	Enter enable mode. Enter the password. You have entered EXEC mode when the prompt changes to 4500>.
2	4500> rlogin hostname Enter the name of the host.	Enter the name of the host to which you are connecting.
3	4500> rlogin hostname [-l hostname] [/user hostname]	Enter the user name.
4	4500> rlogin hostname [-l hostname] [/user hostname] [debug]	Enter debug to troubleshoot the connection from the remote site to the host.
5	4500> exit	Hang up the connection.

Configuration Example

The following example illustrates how the user, Joe Smith, can use rlogin ? (help) and debug to establish and troubleshoot a remote connection to the host Alviso:

```
4500> rlogin ?
WORD IP address or hostname of a remote system
4500> rlogin Alviso ?
-l Specify remote username
/user Specify remote username
debug Enable rlogin debugging output
<cr>
4500> rlogin Alviso -l ?
WORD Remote user name
4500> rlogin Alviso -l jsmith ?
debug Enable rlogin debugging output
<cr>
4500> rlogin Alviso -l jsmith debug
```

Command Reference

rlogin

To log in to a UNIX host using rlogin, use the **rlogin** EXEC command:

```
rlogin host [-I username] [/user username] [debug]
```

Syntax Description

<i>host</i>	Specifies the host name or IP address.
-I <i>username</i>	(Optional) The BSD UNIX syntax which specifies a user name for the remote login. If you do not use this option, the remote user name is your local user name.
/user <i>username</i>	(Optional) The EXEC command syntax which specifies a remote user name in the initial exchange with the remote host. The rlogin protocol will not present you with the <code>login</code> prompt.
debug	(Optional) Enables debugging output from the rlogin protocol.

Command Mode

EXEC

Usage Guidelines

This command first appeared in Cisco IOS Release 10.0.

You can have several concurrent rlogin connections open and switch back and forth between them. To open a new connection, suspend the current connection by pressing the escape sequence (**Ctrl-Shift-6** then **x** [**Ctrl^x**] by default) to return to the EXEC prompt, then open a new connection. A user cannot automatically log in to a UNIX system from the router, but must provide a user ID and a password for each connection.

If your preferred transport is set to **rlogin**, you can use the **connect** command in place of the **rlogin** command. Refer to the *Dial Solutions Configuration Guide* for more information about configuring a preferred transport type. When your preferred transport is set to **none** or to another protocol, you must use the **rlogin** command to connect to a host.

To terminate an active rlogin session, issue the appropriate command from the following list at the UNIX prompt of the device to which you are connecting:

- close
- disconnect
- exit
- logout
- quit

Examples

The following example illustrates how the user, Joe Smith, can use `rlogin ? (help)` to make and debug a remote connection to the host `Alviso`:

```
4500> rlogin ?
WORD IP address or hostname of a remote system
4500> rlogin Alviso ?
-l Specify remote username
/user Specify remote username
debug Enable rlogin debugging output
<cr>
4500> rlogin Alviso -l ?
WORD Remote user name
4500> rlogin Alviso -l jsmith?
debug Enable rlogin debugging output
<cr>
4500> rlogin Alviso -l jsmith debug
```

The following example illustrates debug return on the host, `zipper`, by the user, `staff`:

```
yak# rlogin zipper.cisco.com -l staff debug
Trying zipper.cisco.com (171.69.63.31)... Open
RLOGIN: local username is: ciscoTS
RLOGIN: remote username is: staff
Password:
Last login: Wed Jun 24 06:15:36 from itech-view3.cisc
1 zipper> uptime
 1:40pm up 42 day(s), 20:53, 80 users, load average: 1.44, 2.67, 3.39
2 zipper> logout
[Connection to zipper.cisco.com closed by foreign host]
yak#
```

The following example makes an `rlogin` connection to a host at address `108.33.21.2` for a user named `supervisor` and enables the message mode for debugging:

```
router> rlogin 108.33.21.2 -l supervisor debug
```

The following example makes an `rlogin` connection to a host named `headquarters` for the user named `admin`:

```
router> rlogin headquarters -l admin
```

Related Commands

connect
telnet

What to Do Next

For more information, refer to the “Configure Support for Telnet and Rlogin Calls” chapter in the *Dial Solutions Configuration Guide*.