



# Routertricks Lab user Guide

**Version 2.0**

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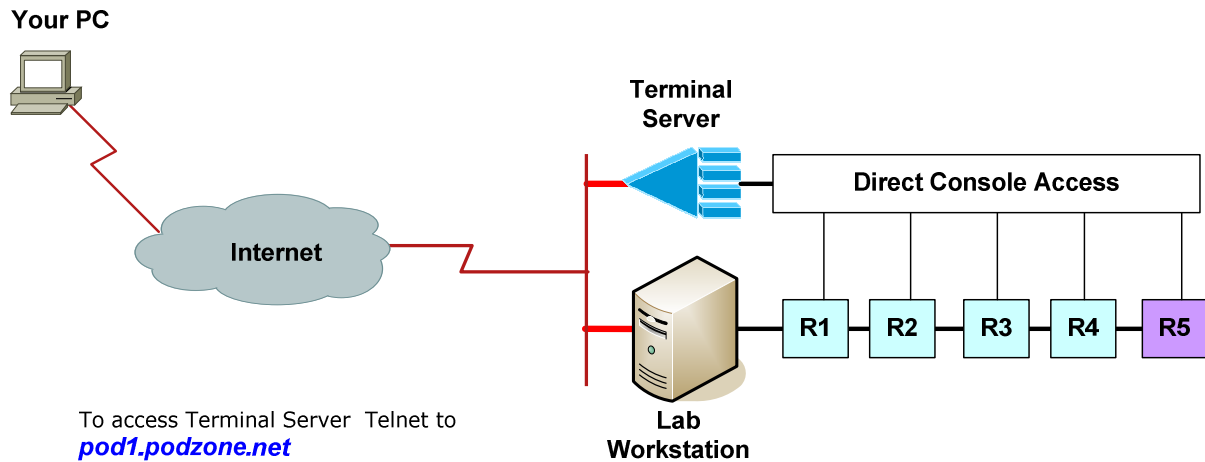
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## Table of Contents

1.	Routertricks Lab User Guide .....	4
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# 1. Routertricks Lab User Guide

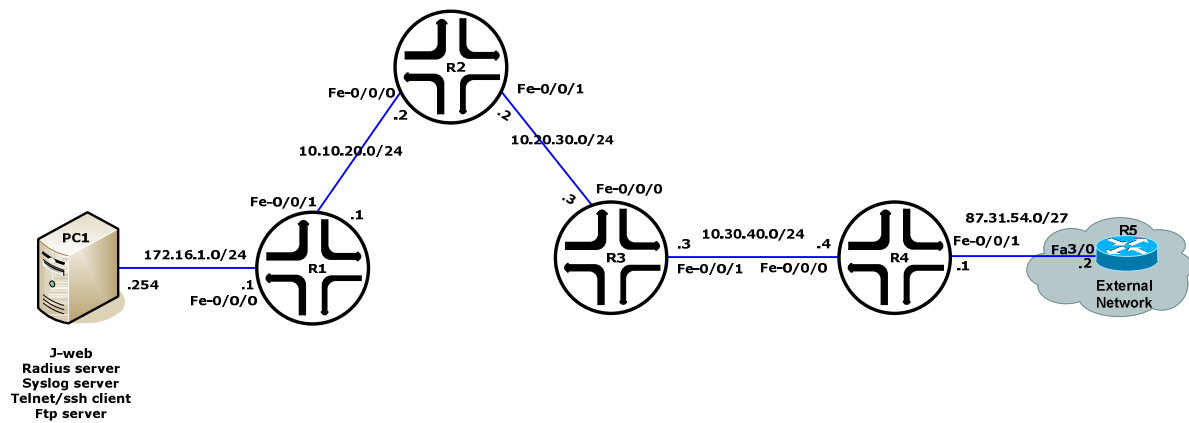
## Lab Topology



To access Terminal Server Telnet to [pod1.podzone.net](https://pod1.podzone.net)

To access J-web workstation open the web browser and connect to <https://pod1.podzone.net>

## Logical Topology



**Lab device list**

Device	Hardware	Interfaces	DRAM/Flash	Software Version	Feature Set
R1	Juniper J4300	2 x 100BaseT	256/256	JUNOS 8.3R	n/a
R2	Juniper J4300	2 x 100BaseT	256/256	JUNOS 8.3R	n/a
R3	Juniper J4300	2 x 100BaseT	256/256	JUNOS 8.3R	n/a
R4	Juniper J4300	2 x 100BaseT	256/256	JUNOS 8.3R	n/a
R5 (EXTERNAL)	Cisco 3640	1 x 10BaseT	64M/16M	12.3(14)T5	TELCO

**Interfaces Address table**

Host	Interface	IP address	Subnet mask	Gateway
PC	Ethernet 0	172.16.1.254	255.255.255.0	172.16.1.1
R1	Lo0	11.11.11.11	255.255.255.255	
R1	Fe-0/0/0	172.16.1.1	255.255.255.0	n/a
R1	Fe-0/0/1	10.10.20.1	255.255.255.0	n/a
R2	Lo0	22.22.22.22	255.255.255.255	n/a
R2	Fe-0/0/0	10.10.20.2	255.255.255.0	n/a
R2	Fe-0/0/1	10.20.30.2	255.255.255.0	n/a
R3	Lo0	33.33.33.33	255.255.255.255	n/a
R3	Fe-0/0/0	10.20.30.3	255.255.255.0	n/a
R3	Fe-0/0/1	10.30.40.3	255.255.255.0	n/a
R4	Lo0	44.44.44.44	255.255.255.255	n/a
R4	Fe-0/0/0	10.30.40.4	255.255.255.0	n/a
R4	Fe-0/0/1	87.31.54.1	255.255.255.224	n/a
External Router	Local interface	87.31.54.2	255.255.255.224	n/a

**Lab Booking Details**

Lab booking and lab access details will be sent to your registered email address. Emails can often be blocked by spam filters, so please ensure that you also check your junk email folder for the lab booking and lab access details.

## Lab Access Guide

Once you have booked the lab session, to access the lab routers you are required to telnet to the lab terminal server **pod1.podzone.net**

To access the lab workstation to use the j-web configuration tool, you should open the web browser and connect to **https://pod1.podzone.net**

For Routertricks lab access, use the same login and password used to login to the **www.routertricks.com** web site.

If you are calling from Windows OS then launch RDP or if it's from Linux OS then launch VNC.

### Accessing Lab Workstation (windows XP)

Once your lab session commences please try to access the lab workstation after 10 minutes, There is a restart process at the end of each 4 hr session which may take up to 10 minutes.

**Note:** If you have booked consecutive lab sessions, please note that at the end of each 4 hr session your https connection to the J-web workstation will drop and you will be required to reconnect after 10 min BUT your connection to lab terminal server is not affected and will NOT drop at the end of each 4 hr session.

### Lab Workstation RDP or VNC Access – FAQ

- A) What are the requirements of the client's machine?

Windows XP with java enabled web browser.

We have worked hard to ensure that virtually all web browsers are supported.

There is no requirement for a particular web browser although some features may require Internet Explorer.

Note: It will be necessary to have a JVM installed on your machine. Most modern browsers automatically support Java and this is therefore not usually a problem.

- B) Do I need to install client software?

No. Installation of client software is not required to access Lab workstation; the client is dynamically loaded over the internet using Java applet technology and therefore no software installation is required.

**Lab Menu Selection:**

```

CCCCCWelcome to RouterTricks POD1.

To return to the main menu press "CTRL+SHIFT+6" then "X"
To re-connect to the device select Resume connection.
To clear console connection select clear console.

-----
r1 - Connect to r1          | 1 - Resume connection to r1
r2 - Connect to r2          | 2 - Resume connection to r2
r3 - Connect to r3          | 3 - Resume connection to r3
r4 - Connect to r4          | 4 - Resume connection to r4
r5 - Connect to r5          | 5 - Resume connection to r5
-----
c1 - clear r1 console
c2 - clear r2 console
c3 - clear r3 console
c4 - clear r4 console
c5 - clear r5 console
-----
apc - Switch-on or Power Cycle - R1 to R5
-----
Exit - Logout

menu pod1 prompt
Selection:
Selection:
Selection:

```

Select **r1** and press enter to connect to **R1** console

Select **1** and press enter to resume connect to **R1** console

Select **c1** and press enter to clear **R1** console connection

To return to the lab menu from router console, press "**CTRL+SHIFT+6**" release and then press "**X**"

**Note:** If you are unable to connect to router console, try to clear the console connection and then connect to the console.

**Lab Power Management Menu**

```

-----
Power Management Menu
-----
[1] Switch-on or Power Cycle R1
[2] Switch-on or Power Cycle R2
[3] Switch-on or Power Cycle R3
[4] Switch-on or Power Cycle R4
[5] Switch-on or Power Cycle R5
=====
[9] Reboot or Switch-on all devices
[10] Switch-off all devices
=====
[32] Return to main menu
=====
Enter your menu choice [1-32]:

```

Type 9 & enter to switch-**on** all devices  
Type 10 & enter to switch-**off** all devices  
Type 32 & enter to return to lab menu

## FAQ

### A) How to connect to a router console?

To connect to r1, select r1 and press enter. Follow this step for r2, r3, r4 & r5.

Note: make sure power to the device is switched on.

### B) From router console, how to return to the main menu?

To return to the main menu press "CTRL+SHIFT+6" release and then press "X".

### C) How to re-connect to a router console?

To re-connect to a device select Resume connection, example Select 1 if you want to resume connection to r1. Follow this step to resume connection to r2, r3, r4, & r5.

### D) How to switch on or reboot lab routers?

Select apc from the menu and, enter user name **pod1** and password **pod1**. Then Select 9, to Reboot, or Switch-on all devices.

If you find any errors or omissions in this document, please contact us at the following email address: [support@routertricks.com](mailto:support@routertricks.com)

## Suggestion

If you are new to Juniper routers and JUNOS software, we strongly recommend that you follow the FREE e-learning training video available at the Juniper Networks web site.

### JUNOS as a Second Language

<http://www.juniper.net/training/elearning/jsl.html>

### Juniper Networks J4300 and J6300 Services Routers Installation and Hardware Replacement Training

<http://www.juniper.net/training/elearning/j4300.html>