



Using Profiles with KlasRouter

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- KlasRouter v2

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1.0 Introduction

This document describes how to use configuration profiles with KlasRouter. A configuration profile allows users to save the network settings for back-up or use at a later time. Once a profile is saved, the user can do four things: 1) Load the profile directly from KlasRouter; 2) Delete the profile; 3) Upload the profile to a TFTP Server using the built-in TFTP server on KlasRouter; or 4) Download a profile from a TFTP Server into KlasRouter's memory. The following paragraphs outline in detail how to accomplish each of these tasks.

2.0 Configuration of KlasRouter

2.1 Cable Connections

Prior to beginning, ensure the following cable connections have been properly secured:

1. Power cord is plugged in and KlasRouter is on.
2. Control Port Cable is connected to the PC's serial port.
3. Control Port Cable is connected to the 'Control' port on the front of the KlasRouter.
4. Computer running a TFTP Server is connected to Ethernet LAN Port 1 through an Ethernet cable with an RJ-45 connector at both ends.

2.2 Establishing a HyperTerminal Session

To configure KlasRouter, you must establish a HyperTerminal session between a PC and KlasRouter. Follow the instructions in KlasRouter Application Note Q10601 to successfully establish a HyperTerminal session and open the KlasRouter Main Configuration Menu.

2.3 Saving a KlasRouter Profile

1. From the KlasRouter Main Configuration Menu, as shown below in Figure 1, enter '9' to bring up the Profiles Menu.

```
#####
# Welcome to KlasRouter #
#####

****Configurati on Menu****

1) Show Runni ng Confi gurati on
2) Serial WAN
3) Ethernet LAN
4) Ethernet WAN
5) Routing
6) Voice over IP
7) Advanced Confi gurati on
8) Di agnosti cs and Util ities
9) Profiles
Press 'x' to Logout

Enter Opti on>9
```

Figure 1. KlasRouter Main Configuration Menu

2. In the Profiles Menu enter '2' to Save a Profile.
3. Enter the name of the profile you would like to save, as shown below in Figure 2. In the example in Figure 2 the profile is named 'KlasRouter_Profile'.

```
Profiles
-----

1) Di spl ay Profi les
2) Save a Profi le
3) Load a Profi le
4) Delete a Profi le
5) TFTP a Profi le
Press 'x' to Return

Enter Opti on>2

Enter Profi le name ('q' to qui t)>Kl asRouter_Profi le

Savi ng profi le Kl asRouter_Profi le ... OK.

Press Enter to return to Profiles
```

Figure 2. Saving a Profile in KlasRouter

4. Press 'Enter' to return to the Profile Menu

2.4 Loading a KlasRouter Profile

1. To load a profile from KlasRouter, Enter '3' on the Profiles Menu.

2. KlasRouter will list all available profiles. Enter the number corresponding to the profile you would like to load, as shown below in Figure 3. KlasRouter will then begin loading the profile into KlasRouter.

```

Load a Profile
-----
Current profiles:
-----
#      Name
-----
1      KlasRouter_Profile

Enter number of profile to load ('q' to quit)>1
Loading Profile "KlasRouter_Profile".
Please Wait ...

```

Figure 3. Loading a KlasRouter Profile

3. Press 'Enter' to return to the Profiles Menu.

2.5 Deleting a KlasRouter Profile

1. To delete a profile from KlasRouter, Enter '4' on the Profiles Menu.
2. KlasRouter will list all available profiles. Enter the number corresponding to the profile you would like to delete, as shown below in Figure 4.
3. KlasRouter will prompt you to confirm the command to delete a profile. Press 'y' to confirm that the profile you would like to delete is listed. If confirmed, KlasRouter will then delete the profile from KlasRouter's memory.

```

Delete a Profile
-----
Current profiles:
-----
#      Name
-----
1      KlasRouter_Profile
2      KlasRouter_Profile2

Enter number of profile to delete ('q' to quit)>2
Are you sure you want to delete the profile 'KlasRouter_Profile2'
(y/n)?y

Deleting profile KlasRouter_Profile2 ... OK.

Press Enter to Return to Profiles

```

Figure 4. Deleting a KlasRouter Profile

4. Press 'Enter' to return to the Profile Menu.

2.6 TFTP a KlasRouter Profile

KlasRouter has a built-in TFTP Server that allows users to either upload a profile to another TFTP Server or download a profile into KlasRouter's memory.

2.6.1 Download a KlasRouter Profile from a TFTP Server

1. To enter the TFTP a Profile Menu, enter '5' on the Profiles Menu.
2. Enter '1' in the TFTP a Profile Menu to receive a profile, as shown below in Figure 5.

```
TFTP a Profile
-----
1) Receive a profile
2) Send a profile
Press 'x' to Return
Enter Option>1
```

Figure 5. Receive a Profile from a TFTP Server

3. Enter the IP Address of the TFTP Server from which you will receive the KlasRouter profile.
4. Enter the name of the profile you would like to download. In the example from Figure 6 shown below, the profile is named 'KlasRouter_Profile2.'

```
Receive a profile
-----
Enter IP Address/Hostname ('q' to quit)>192.168.1.47
Enter Profile Name('q' to quit)>KlasRouter_Profile2
Receiving profile KlasRouter_Profile2 ... OK.
Press Enter to Return to TFTP menu
```

Figure 6. Enter the Name of KlasRouter Profile

5. Press 'Enter' to return to the TFTP Menu.

2.6.2 Upload a KlasRouter Profile to a TFTP Server

1. Enter '2' in the TFTP a Profile Menu to send a profile.

2. KlasRouter will list the profiles currently saved into memory. Enter the number corresponding to the profile you would like to send.
3. Enter the IP Address of the TFTP Server to which you are sending the profile. In the example from Figure 7 below, the IP Address is 192.168.1.10 (**Note: The TFTP Server IP Address must be on the same subnet as the KlasRouter LAN**).

```

Send a profile
-----
Current profiles:
-----
#      Name
-----
1      KlasRouter_Profile
2      KlasRouter_Profile2

Enter number of profile to send ('q' to quit)>2
Enter IP Address/Hostname ('q' to quit)>192.168.1.10
Sending profile KlasRouter_Profile2 ... OK.
Press Enter to Return to TFTP menu

```

Figure 7. Enter the IP Address of the TFTP Server

4. Press 'Enter' to return to the TFTP Menu.

MORE INFORMATION

For more information about KlasRouter and other Klas products, visit the following Klas website:

<www.klasonline.com>

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