

Helix Server Installation Manual

1. Get required files for installation

Helix Universal Server Basic Installation Binary file and Product Key

<http://licensekey.realnworks.com/rnforms/products/servers/eval/index.html?ulf=b>

Helix Universal Server Basic Startup Script

<http://www.soi.wide.ad.jp/soi-asia/ow/2003-spring/rmserver/rmserver>

2. Copy files and its license key to PC

```
#cp rs901-linux-22libc6-ia32.bin /usr/local/src/
```

```
#cp RNKey-Helix_Server-90-7868358162922964.lic /usr/local/src/
```

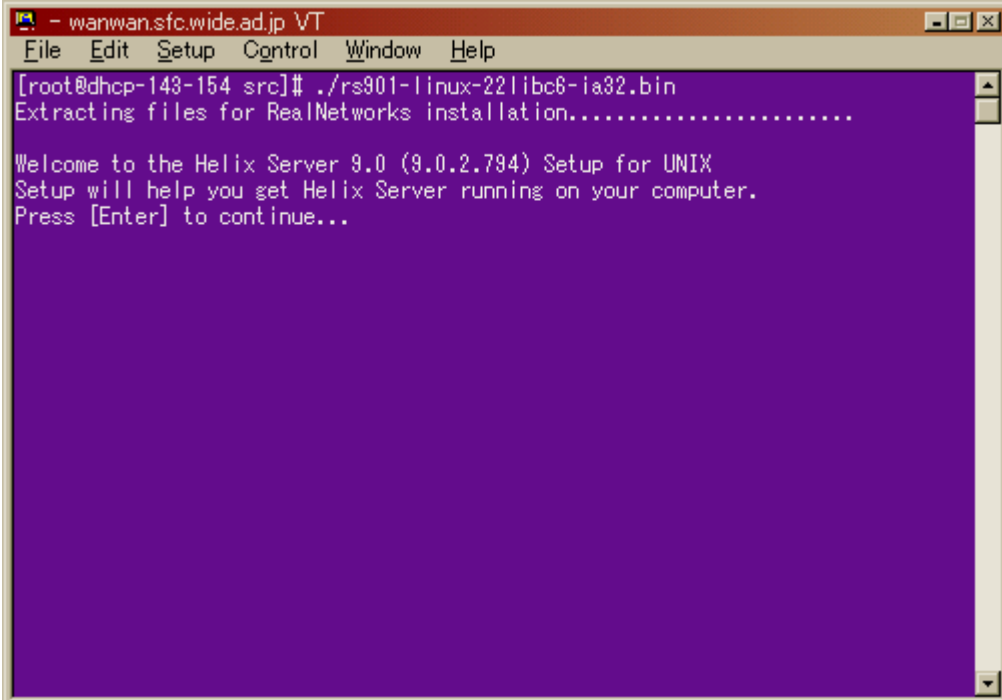
```
#cp rmserver /usr/local/src
```

3. Install Helix Server:

o Make sure you can execute binary file by seeing its permission.

```
-rwxr-xr-x 1 root root 12178436 Mar 10 18:47 rs901-linux-22libc6-ia32.bin
```

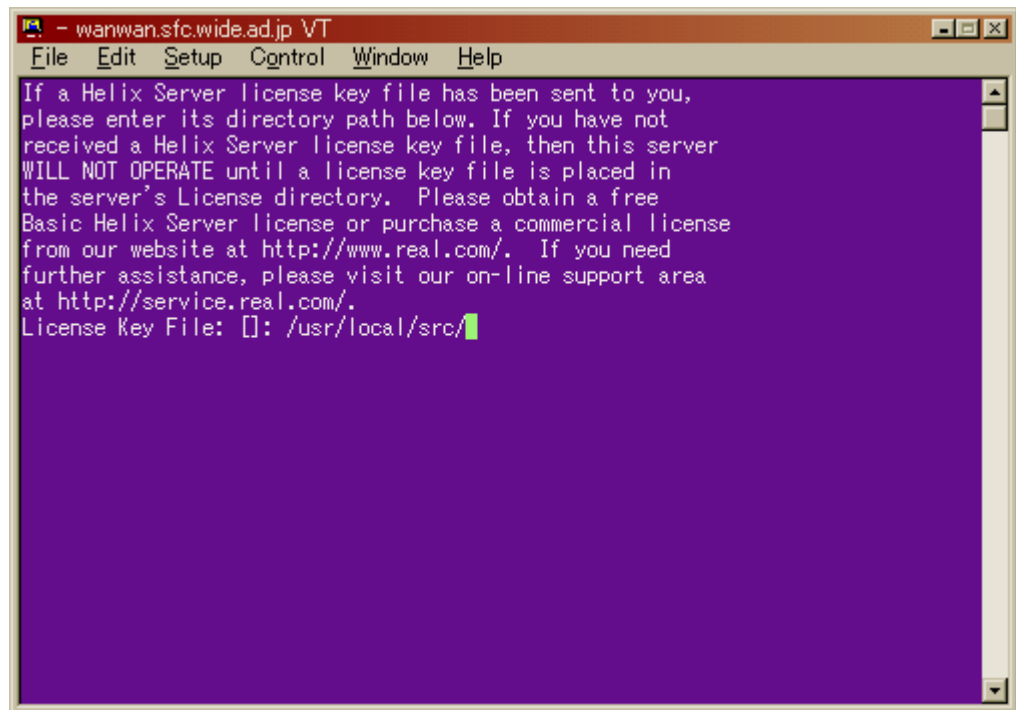
o Run execution file



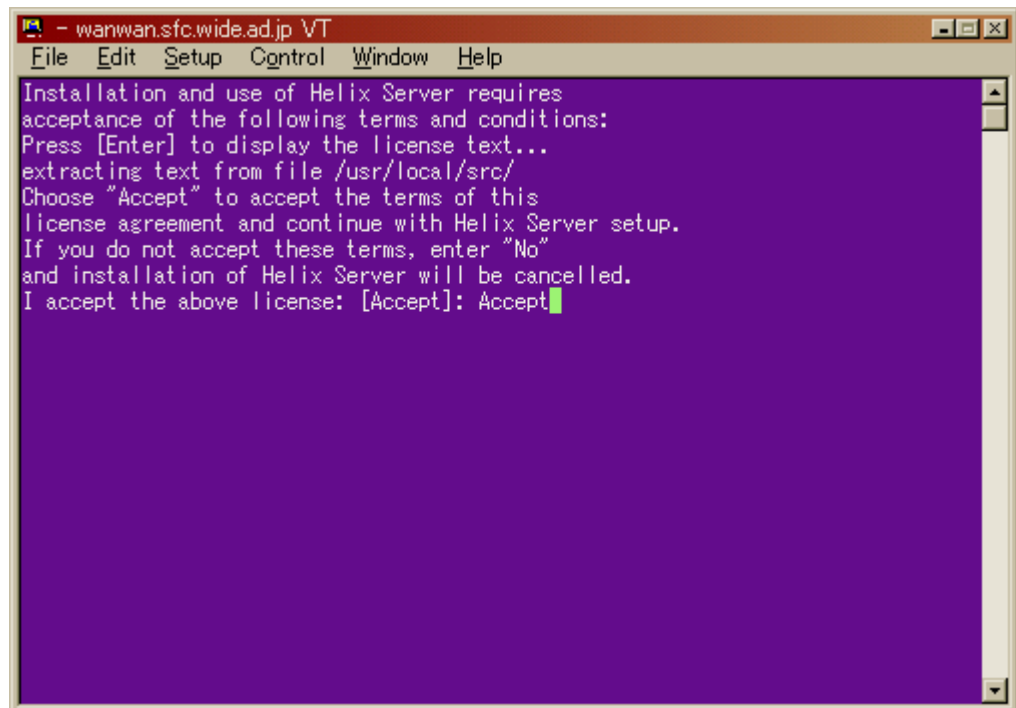
```
- wanwan.sfc.wide.ad.jp VT
File Edit Setup Control Window Help
[root@dhcp-143-154 src]# ./rs901-linux-22libc6-ia32.bin
Extracting files for RealNetworks installation.....

Welcome to the Helix Server 9.0 (9.0.2.794) Setup for UNIX
Setup will help you get Helix Server running on your computer.
Press [Enter] to continue...
```

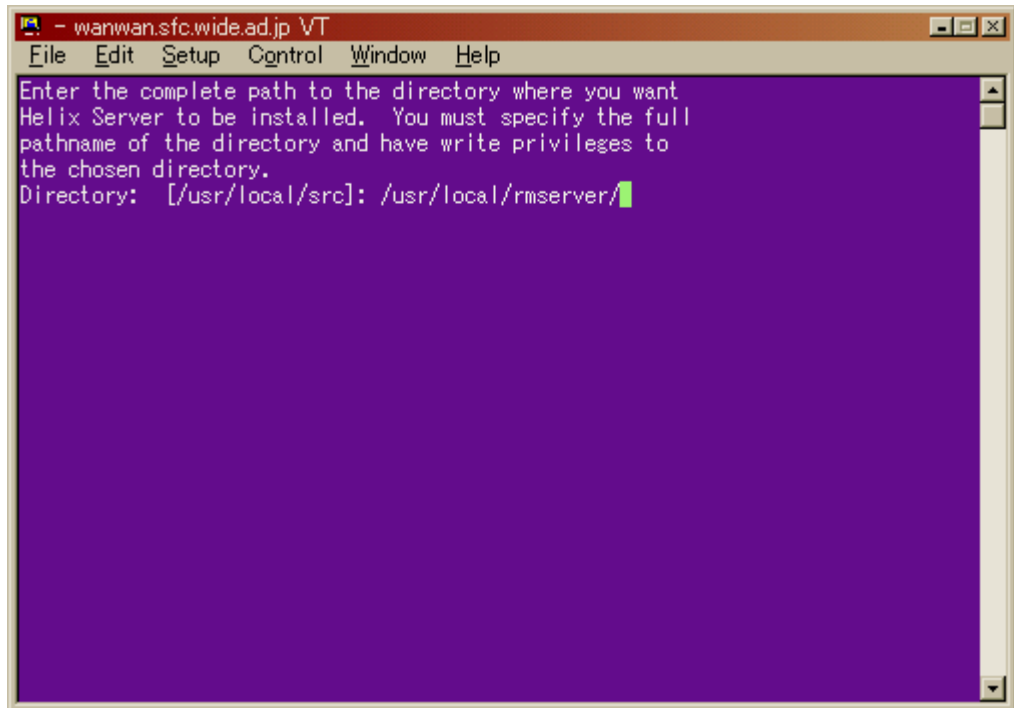
Press enter to continue.



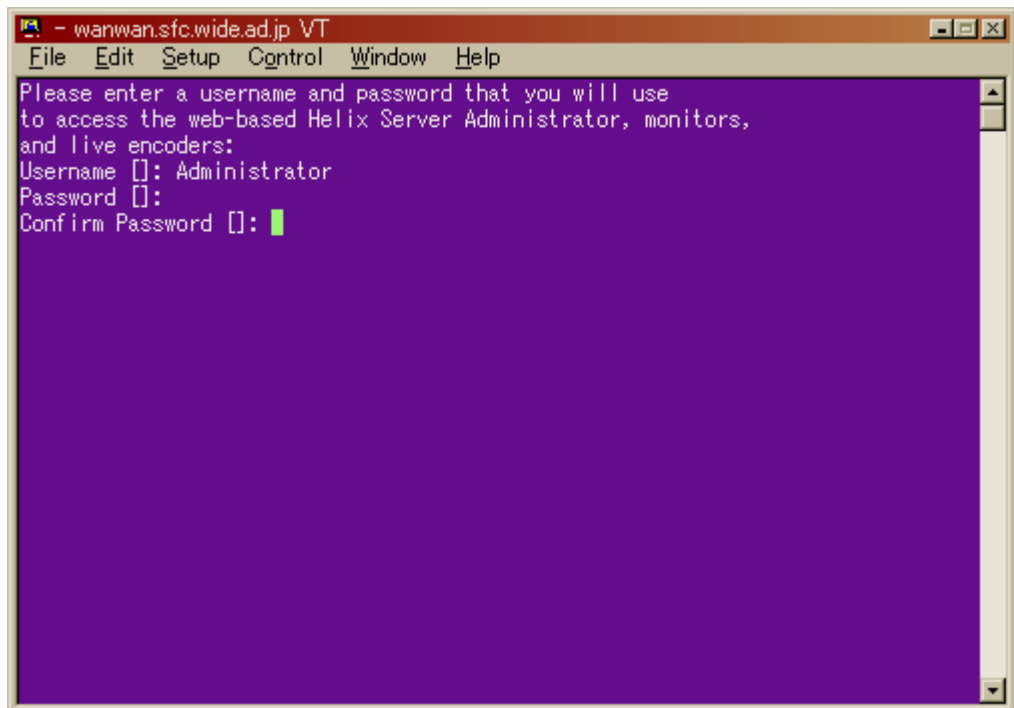
Input where the lisenace key is right now.



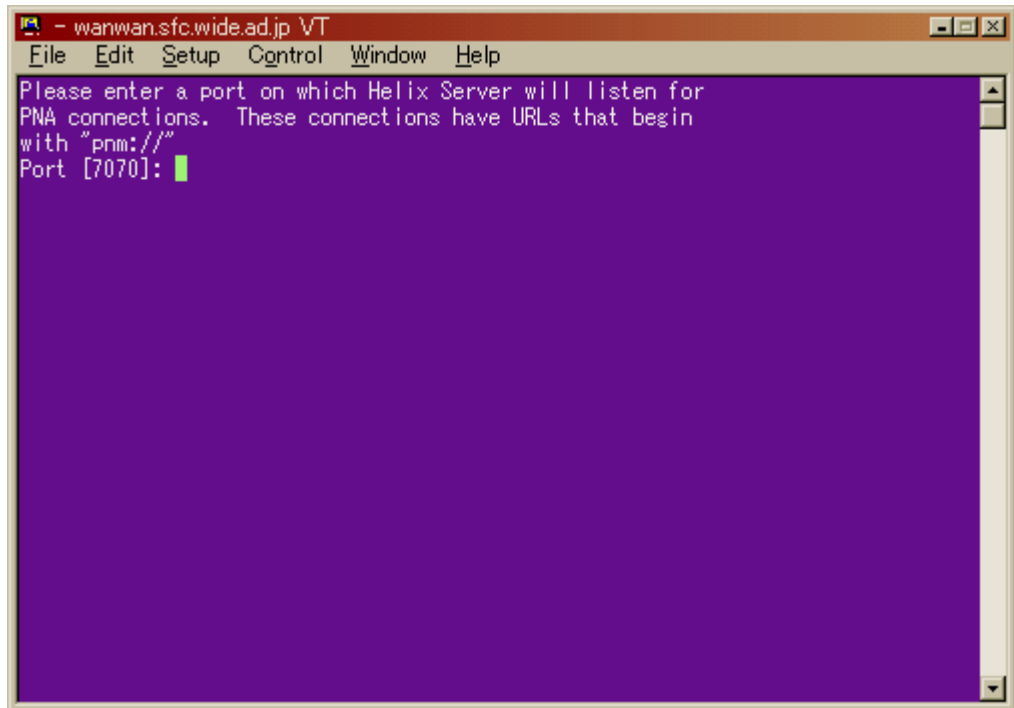
Press Enter to see the license text, then and [Accept] the lisenace.



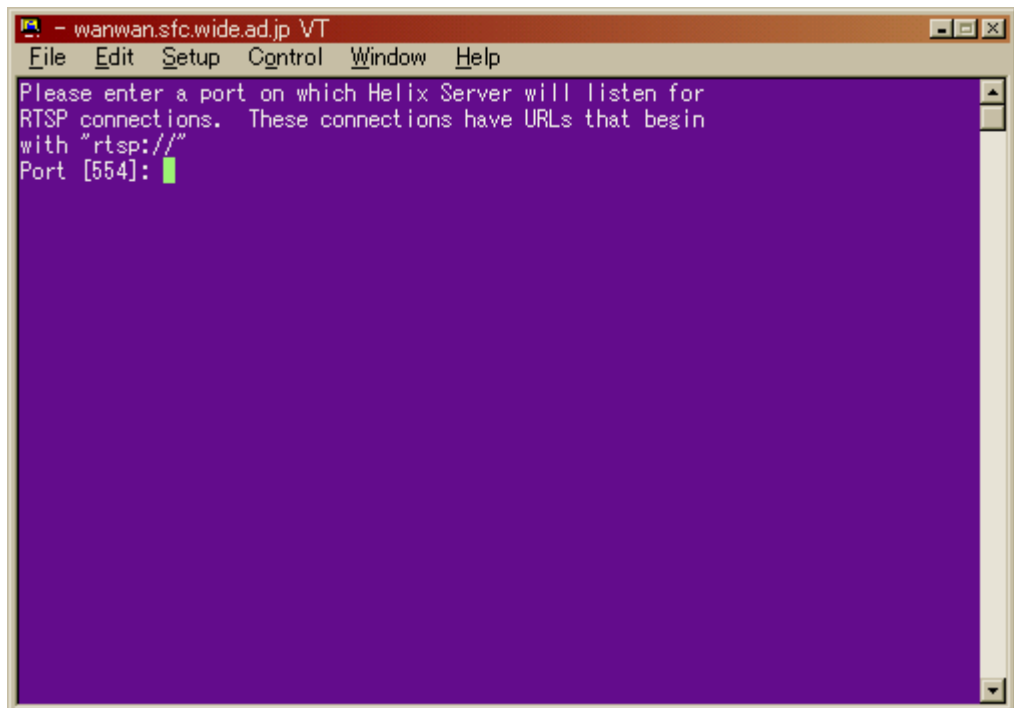
Fill in where you are going to install HelixUniversalServer Basic.



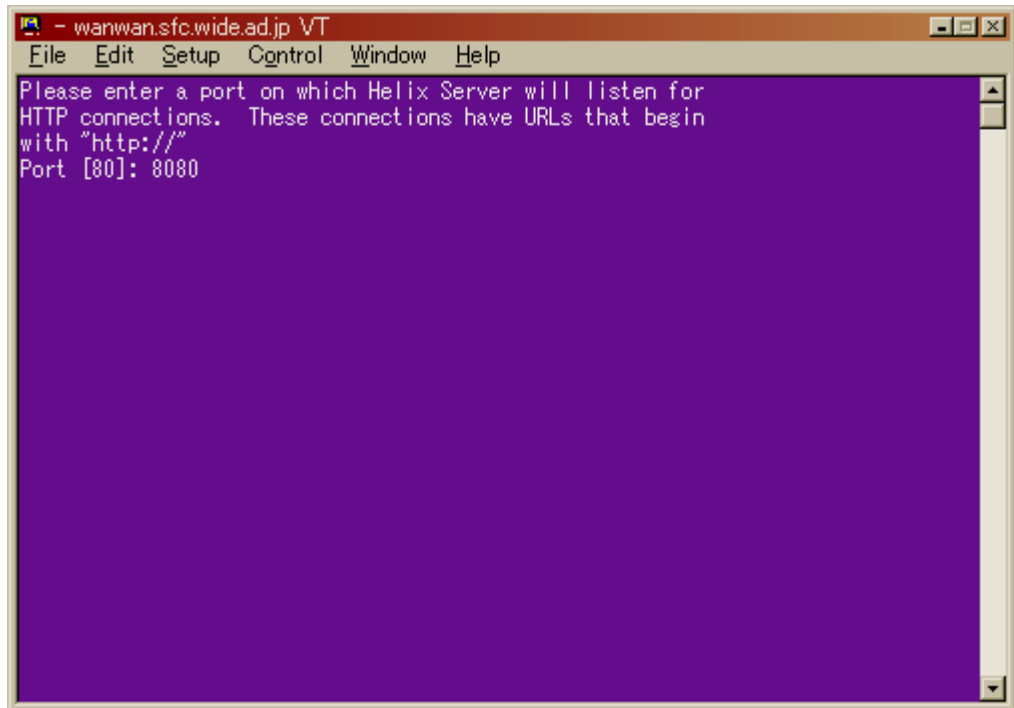
Fill in username and password. This will be the username and password that will be asked when you control HelixServer through the web.



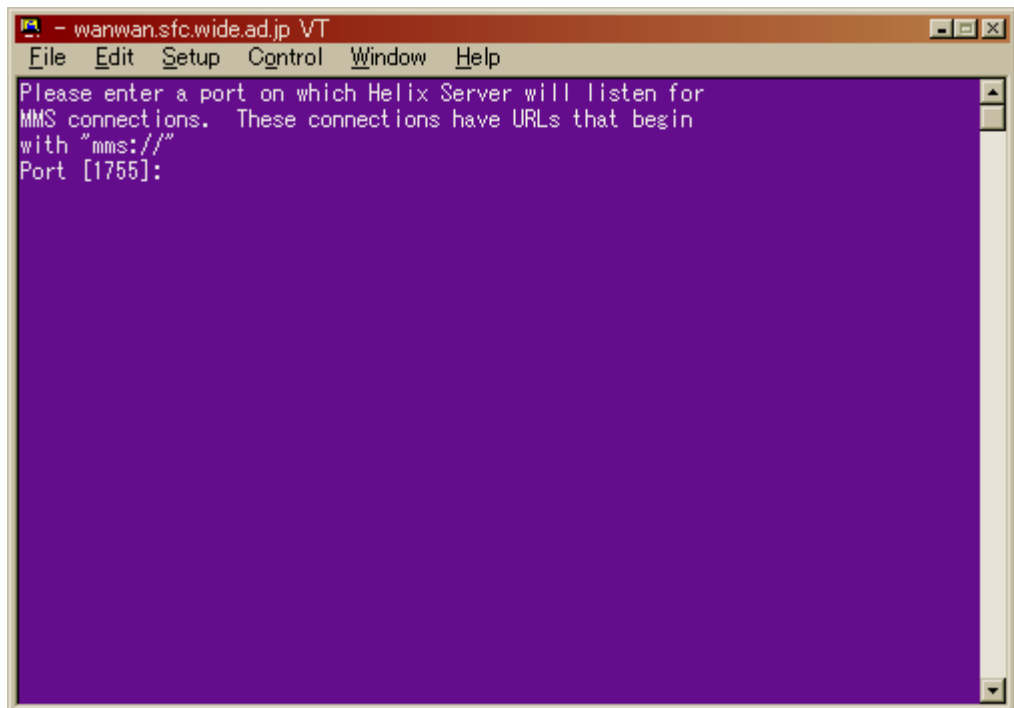
Use as default (Enter)



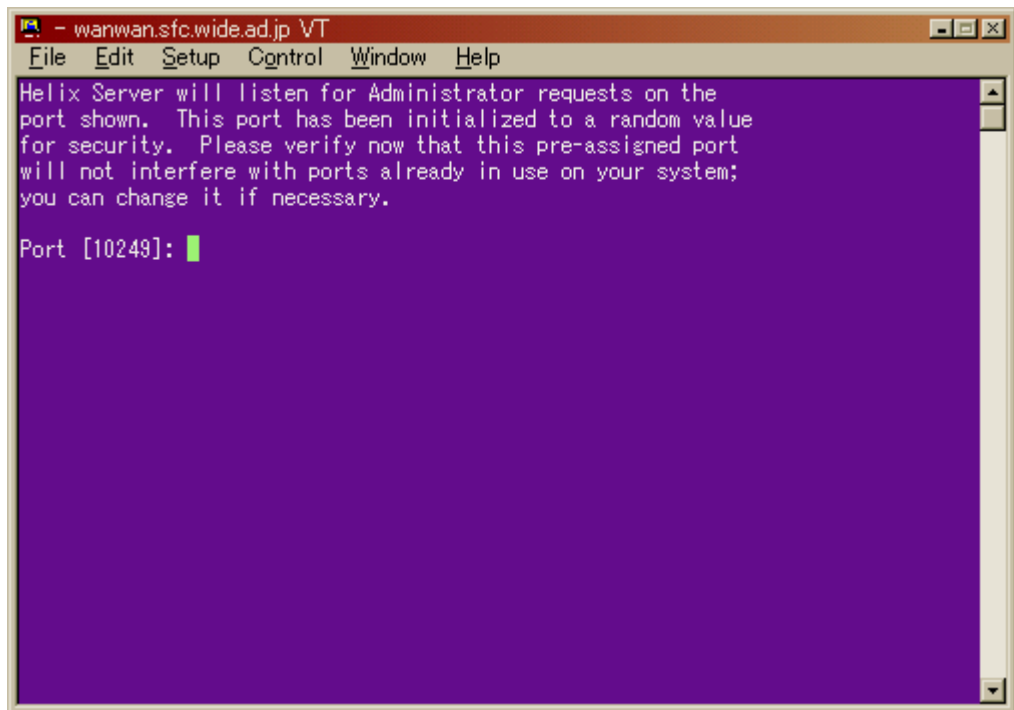
Use as default (Enter)



Since you are running httpd at port 80, input 8080(can be any port) as http port



Use as default (Enter)

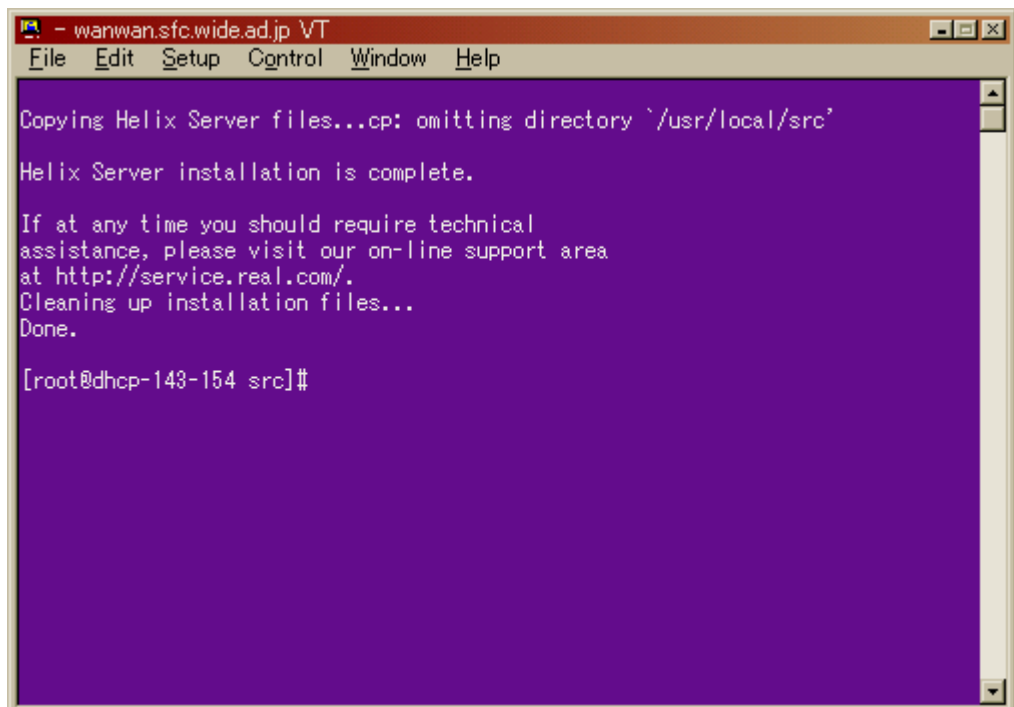
A terminal window titled '- wanwan.sfc.wide.ad.jp VT' with a menu bar (File, Edit, Setup, Control, Window, Help). The text inside reads: 'Helix Server will listen for Administrator requests on the port shown. This port has been initialized to a random value for security. Please verify now that this pre-assigned port will not interfere with ports already in use on your system; you can change it if necessary.' Below this, it says 'Port [10249]:' followed by a green cursor.

```
- wanwan.sfc.wide.ad.jp VT
File Edit Setup Control Window Help
Helix Server will listen for Administrator requests on the
port shown. This port has been initialized to a random value
for security. Please verify now that this pre-assigned port
will not interfere with ports already in use on your system;
you can change it if necessary.

Port [10249]:
```

Use as default (random number, just press enter)

And press [F]inish to install. This will install HelixUniversalServer Basic to your local PC.

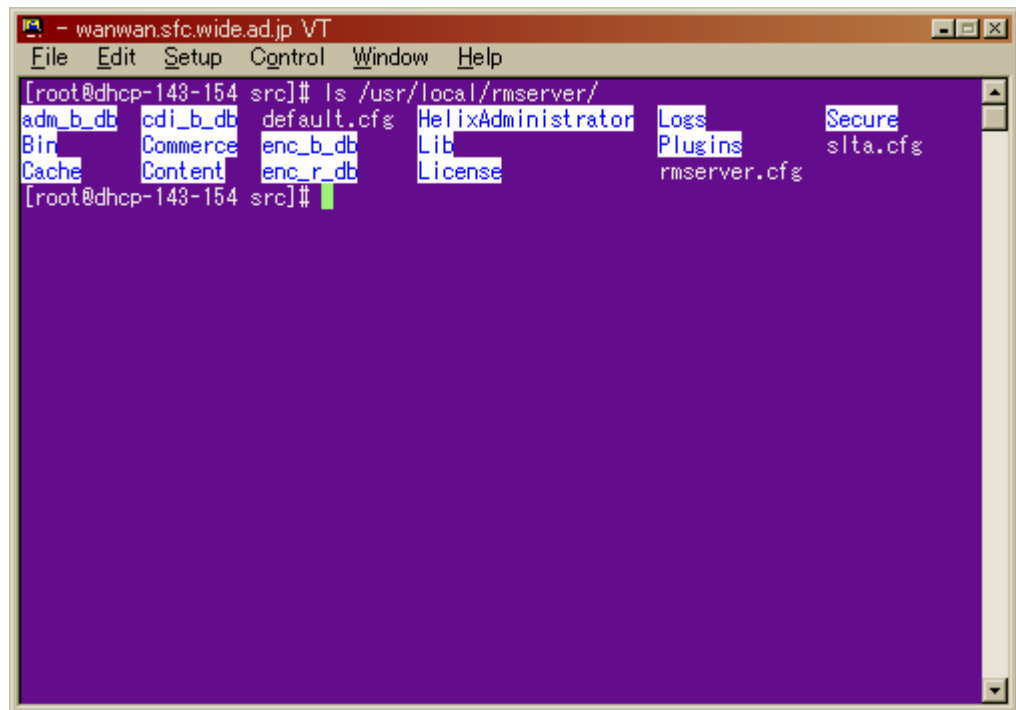
A terminal window titled '- wanwan.sfc.wide.ad.jp VT' with a menu bar (File, Edit, Setup, Control, Window, Help). The text inside reads: 'Copying Helix Server files...cp: omitting directory `/usr/local/src`', 'Helix Server installation is complete.', 'If at any time you should require technical assistance, please visit our on-line support area at http://service.real.com/.', 'Cleaning up installation files...', 'Done.', and '[root@dhcp-143-154 src]#'.

```
- wanwan.sfc.wide.ad.jp VT
File Edit Setup Control Window Help
Copying Helix Server files...cp: omitting directory `/usr/local/src`
Helix Server installation is complete.

If at any time you should require technical
assistance, please visit our on-line support area
at http://service.real.com/.
Cleaning up installation files...
Done.

[root@dhcp-143-154 src]#
```

HelixUniversalServer will be installed to /usr/local/rmsserver as you have wrote before.

A terminal window titled '- wanwan.sfc.wide.ad.jp VT' with a menu bar (File, Edit, Setup, Control, Window, Help). The prompt is '[root@dhcp-143-154 src]#'. The command 'ls /usr/local/rmsrver/' is executed, showing a directory listing: adm_b_db, Bin, Cache, cdi_b_db, Commerce, Content, default.cfg, enc_b_db, enc_r_db, HelixAdministrator, Lib, License, Logs, Plugins, rmsrver.cfg, and Secure slta.cfg. The prompt returns to '[root@dhcp-143-154 src]#'.

4. move the license key to the /usr/local/rmsrver/License directory

```
#mv /usr/local/src/RNKey-Helix_Server-90-7868358162922964.lic /usr/local/rmsrver/License
```

5. Since the /etc/hosts format is different than the Helix Server assumes, put the below option when starting Helix Server

```
# /usr/local/rmsrver/Bin/rmsrver --hbi [your host IP address]
```

6. Copy startup script to your local directory and change the permission.

```
[root@dhcp-143-154 init.d]#cp /usr/local/src/rmsrver /etc/rc.d/init.d/
```

```
[root@dhcp-143-154 init.d]# ls -l /etc/rc.d/init.d/rmsrver
```

```
-rw-r--r-- 1 root root 1118 Feb 23 14:04 /etc/rc.d/init.d/rmsrver
```

```
[root@dhcp-143-154 init.d]# chmod 755 /etc/rc.d/init.d/rmsrver
```

7. Edit startup script

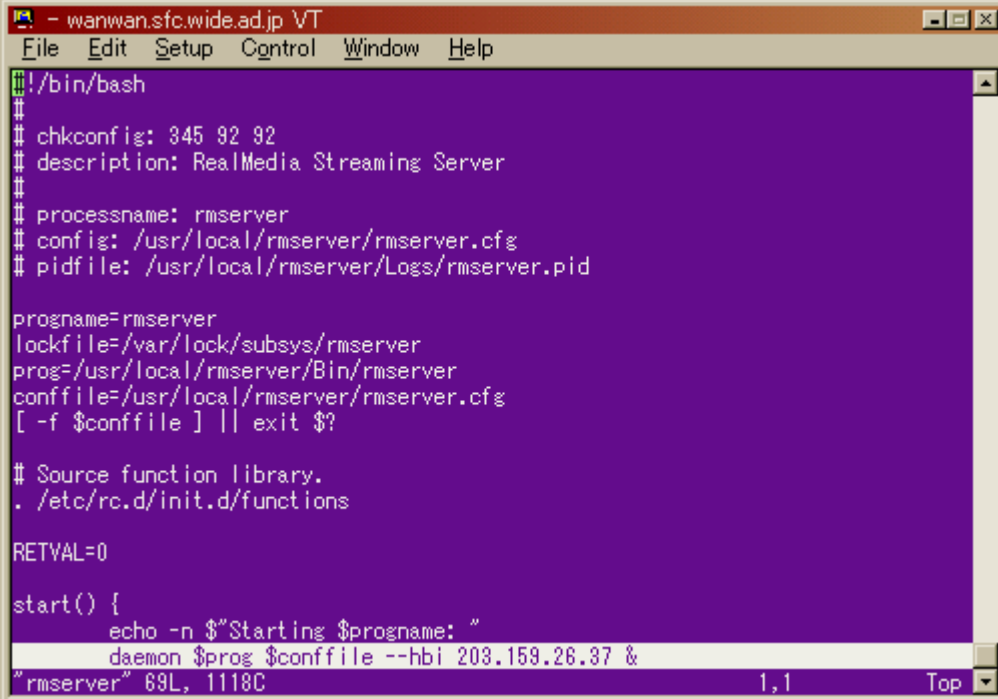
```
#cd /etc/rc.d/init.d/
```

```
#vi rmsrver
```

Change IP address to your local host IP address

```
daemon $prog $conffile --hbi [your host address] &
```

This will enable the rmsrver to run at the boot time



```
#!/bin/bash
# chkconfig: 345 92 92
# description: RealMedia Streaming Server
#
# processname: rmserver
# config: /usr/local/rmserver/rmserver.cfg
# pidfile: /usr/local/rmserver/Logs/rmserver.pid

progname=rmserver
lockfile=/var/lock/subsys/rmserver
prog=/usr/local/rmserver/Bin/rmserver
conffile=/usr/local/rmserver/rmserver.cfg
[ -f $conffile ] || exit $?

# Source function library.
. /etc/rc.d/init.d/functions

RETVAL=0

start() {
    echo -n $"Starting $progname: "
    daemon $prog $conffile --hbi 203.159.26.37 &
    "rmserver" 69L, 1118C
}
```

8. To start and stop the rmserver, below is the command.

```
#service rmserver start          :to start
#service rmserver stop:to stop
```

or you can directly specify the execution file by the below command

```
#!/usr/local/rmserver/Bin/rmserver/ /usr/local/rmserver/rmserver.cfg --hbi (your IP) &
```

9. Set /soi/soi/ as the content root.

Content root is at /usr/local/rmserver/content/

To make /soi/soi/ as the content root, do below.

```
#cd /usr/local/rmserver/content/
#ln -s /soi/soi/ soi
```

10. After Installation, please check if your realserver is working fine by seeing the sample file at the content root.

```
rtsp://(your IP)/(filename)
```

11. Configure Realmedia server

```
http://[your-server-ipaddress]:12345/admin/index.html
```

Configure IP Binding so that you can see the stream from 202.249.26.x/29 and the local segment