

TELNET SSH

:

1. Telnet SSH.

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Telnet

Telnet RFC-854 (, 1983). Telnet telnet [13].
23 TCP. telnet (Network Virtual
Terminal) NVT;
NVT " " ".
("server"), NVT, ("user")
Telnet ,
TCP- [12].
Telnet
Telnet
Telnet

Telnet

Telnet

UNIX (

UNIX

UNIX,

[14, 12]).

Windows 2000

Telnet

Windows [11].

telnet

Telnet-

TELNET.

Telnet.

TCP/IP,

Telnet

(command mode);

(input mode).

(line-by-line)

telnet
(character-at-a-time).

" "

" "

Ctrl+],

telnet.

telnet (UNIX)

Telnet

UNIX

\$telnet [[]]

telnet

Ctrl+].

(23).
telnet (UNIX)

23.

..		
1	close	.
2	logout	.
3	display	.
4	mode	('mode ?')
5	telnet	Telnet.
6	open	Telnet.
7	quit	telnet.
8	send	('send ?' send).
9	set	('set ?' set).
10	unset	('unset ?' unset).
11	status	.
12	toggle	('toggle ?' toggle).
13	slc	('slc ?' slc).
14	auth	(on) (off) ('auth ?' auth).
15	encrypt	(on) (off) ('encrypt ?' encrypt).
16	z	" " telnet. : exit mode type type : line - , character - .
17	!	.
18	environ	("environ ?" environ).
19	?	telnet.

telnet

Telnet,

SMTP:

\$telnet host.domain.org 25

telnet Windows

XP/2000

Telnet

Windows,

Windows

TCP/IP,

3.11.

telnet.

:
>telnet [host [port]]
:
host IP- DNS ;
port .
-
CTRL+].
.

24.

24.

telnet (Windows XP/2003)

c – close	.
d – display	.
o – open	– [] (, = 23).
q – quit	telnet.
set – set	("set ?").
u – unset	("unset ?").
,	set unset:.
	bsasdel – <BackSpace> <Delete>.
	crlf – ; CR & LF.
	delasbs – <Delete> <BackSpace>.
	escape x – telnet, x – .
	localecho – .
	logfile x – , x – .
	logging – .
	ntlm – NTLM.
mode x	, x – .
term x	, x – : ansi, vt100, vt52, vtnt
sen – send	.
st – status	.
?/h – help	.

telnet

Windows

,

set.

Windows

UNIX, NTLM). TERM ANSI (Windows, ANSI VTNT, . . . VTNT.

SSH

SSH (Secure Shell) Telnet.

Telnet rlogin, TCP, SSH – 22. SSH

(shell), SSH.

X Windows – X Tunnelling (Unix–X Window System) [15]. SSH, TCP – Port Forwarding,

SSH UNIX – ssh. ssh–

(sniff – (.), sniffer – Telnet

(. . .) [16]. – SSH1 90–x

SSH2. 1, 2.

Windows SSH,

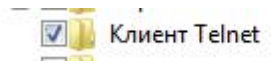
... ,
.
PuTTY,
(), Telnet SSH.
,
.
,
.

1. :
1.
1. ,

..			
1	Telnet, SSH	Ubuntu	
2	.	Linux Ubuntu Server.	

,
,
.
2.
2.1 .

Windows XP telnet Windows
PuTTY,
) :
Telnet Windows.
" " " Telnet"



)
Windows XP, PuTTY
C:\temp\PuTTY.
,
PuTTY / / WinXP .

Putty.

2.

BM Server

Ubuntu

Telnet SSH

Linux Ubuntu.

) Server Ubuntu.

:

\$ ping 8.8.8.8

Ubuntu.

) Ubuntu,

:

\$ sudo apt-get update

, .).

) :

\$ sudo apt-get install openssh-client openssh-server
telnet-server mc

, .).

)

nano /etc/apt/sources.list:

\$ sudo nano /etc/apt/sources.list

URL-

<http://old-releases.ubuntu.com>

Ctrl+X,

y, Enter

/etc/apt/sources.list

:

\$ sudo apt-get update

\$ sudo apt-get upgrade

, . .

) Telnet SSH.

:

```
$ telnet localhost
```

:

```
login: ( )
```

```
Password: ( )
```

.

!

Telnet

:

```
user@localhost ~> $
```

```
telnet :
```

```
$ Ctrl+C
```

SSH :

```
$ ssh localhost
```

SSH

```
( )
```

SSH.

"yes".

telnet,

SSH

:

```
login: ( )
```

```
Password: ( )
```

.

!

SSH

:

```
user@localhost ~> $
```

```
SSH :
```

```
$ Ctrl+C
```

Telnet SSH,

mc

,

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```

:
1      Telnet.
1.1    telnet Windows

1.1.1
1.1.2
> telnet

telnet,

1.1.3
)      help
;
)      display;
)      ,
,

:
Microsoft Telnet>set escape x
x -      CTRL+3 (
SHIFT+ )
)      display,

1.1.4    Telnet Ubuntu.
,
,
Telnet.

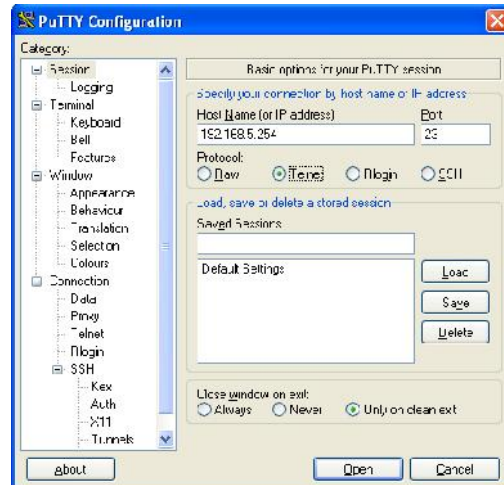
1.1.5
,      1.3.

Enter.
1.1.6
- Ctrl+].
,
,
display.

1.1.7
,      .1.1,
,

1.2.
PuTTY
1.2.1    PuTTY.
(      10).
Telnet.

```



. 10

1.2.2

Telnet.

1.2.3

, "Open"

PuTTY.

1.2.4

:

\$ cd /

\$ ls -l

\$ pwd

\$ top

, top: - q

\$ cd /usr/home/ _ /

1.2.5

.1.2

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1.3

1

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2.

SSH.

2.1

PuTTY

SSH.

SSH,

"Open"

PuTTY.

,

,

"Yes",

.

2.2

,

,

.

2.3

,

:

\$ pwd -

;

\$ whoami -

,

;

\$ who -

,

;

\$ mc-

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UNIX.

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Norton Commander

MS DOS.

UNIX.

Linux.

FAR

Windows NT/2000/2003/XP.

Midnight Commander.

Midnight Commander

F10.

2.4 — mc — :

— Telnet (Ubuntu);

— mc.

2.5 mc F10.

"Yes".

2.6 Telnet :

\$exit

2.7 , .2, ,

*.

2

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*

mc

Ubuntu,

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3.

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1.

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1. Telnet?

2. Telnet?

3. TCP Telnet?

4. Telnet?

5. , Telnet ?

6. SSH?

7. SSH?

8. TCP SSH?

9. PuTTY.

10. deco Midnight Commander (mc)?

11. , deco mc

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