

표준 출력 재지정(redirection) 실습

The image shows two side-by-side terminal windows. The left window is from a Linux distribution (Ubuntu 20.04) and the right is from a Windows 10 environment. Both terminals are running the same command sequence.

```
[12/01/25]seed@VM:~/Desktop$ nc -lsv 9090
Listening on 0.0.0.0 9090
Connection received on 192.168.52.3 49786
total 4
-rw-rw-r-- 1 seed seed 12 Nov 30 22:16 information.txt
cat information
cat information.txt
Hello World
```

The Linux terminal also displays network statistics:

```
RX packets 162 bytes 31838 (31.8 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 82 bytes 9440 (9.4 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
inet 127.0.0.1 netmask 255.0.0.0
inet6 ::1 prefixlen 128 scopid 0x10<host>
loop txqueuelen 1000 (Local Loopback)
RX packets 165 bytes 17419 (17.4 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 165 bytes 17419 (17.4 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

The right terminal window shows the same command sequence and output, indicating successful communication between the two environments.

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total 4
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Hello World
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표준 오류 재지정(redirection) 실습

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```
[12/01/25]seed@VM:~/Desktop$ nc -lsv 9090
Listening on 0.0.0.0 9090
[11/30/2025 22:27] seed@ubuntu:~/Desktop/subject$ ls -l
total 4
-rw-rw-r-- 1 seed seed 12 Nov 30 22:16 information.txt
cat information.txt
Hello World
[11/30/2025 22:28] seed@ubuntu:~/Desktop/subject$
```

The right terminal window shows the same command sequence and output, indicating successful communication between the two environments.