



■■■: 2025-06-05 16:09



 Linux           



1. WinSCP (■■■ ■■)

- [REDACTED]: <https://winscp.net/>
 - [REDACTED]: [REDACTED] Linux [REDACTED]

2. PuTTY (SSH ■■)

- ████: <https://www.putty.org/>
 - █: Linux ████ ████ ████

3. PowerShell (■■■■■)

- ████.SCP ████ ████ ████



100% 100%

```
# PowerShell cd C:\Users\it.support\PycharmProjects\ProgressReport # ls deploy_internal.sh, nginx_internal.conf, requirements.txt
```

2 ■ ■ : WinSCP ■ ■ ■

WinSCP ■■■:

1. Host name: 192.168.1.100 (■■■ IP)

2. User name: ███ ███ (█: ubuntu, admin)

3. Password: ███ ████

4. Port: 22 (SSH ███ ███)

███ ███:

```
████ █████: C:\Users\it.support\PycharmProjects\ProgressReport\ █████ █████:  
/tmp/ProgressReport/ █████ █████: - *.py (██ Python ███) - templates/ (██) -  
static/ (██) - requirements.txt - gunicorn.conf.py - deploy_internal.sh -  
nginx_internal.conf - .env
```

3██: PuTTY ███ ███

PuTTY ███:

1. Host Name: 192.168.1.100

2. Port: 22

3. Connection type: SSH

███ ███ ███:

```
# █████ █████ █████ █████ cd /tmp/ProgressReport # █████ █████ ███ chmod +x  
deploy_internal.sh # ███ ███ sudo ./deploy_internal.sh 192.168.1.100
```

4██: PowerShell ███ (██)

```
# SCP ███ ███ (PowerShell 7+ ███) scp -r  
C:\Users\it.support\PycharmProjects\ProgressReport\  
username@192.168.1.100:/tmp/ # SSH ███ ███ ███ ███ ssh  
username@192.168.1.100 "cd /tmp/ProgressReport && chmod +x deploy_internal.sh  
&& sudo ./deploy_internal.sh"
```

████ █████ █████ █████ █████ █████

IP ███ ███

████ ███ ███ IP ███ ███:

nginx_internal.conf ███:

```
# █████ █████ sudo nano /etc/nginx/sites-available/progressreport # server_name  
████ █████ ███ server_name progressreport.company.local 192.168.1.50; # ███ ███ IP
```

████ ███ ███ IP ███

████ ███ ███ ███ ███:

```
# 192.168.1.0/24 ███ ███ ███ allow 192.168.1.0/24; deny all; # ███ ███ ███  
████ allow 192.168.1.0/24; # ███ allow 192.168.2.0/24; # ███ allow  
10.0.0.0/8; # VPN deny all;
```



```
# ███ ███ ███ sudo systemctl status progressreport # ███ ███ ███ curl  
http://localhost curl http://192.168.1.100
```



```
# ███ ███ ███ sudo journalctl -u progressreport -f # ███ ███ ███ sudo  
journalctl -u progressreport --since "1 hour ago" | grep ERROR
```



1. WinSCP ███ ███ ███ ███

2. PuTTY ███ ███

3. ███ ███ ███ ███:

```
# ███ ███ ███ sudo cp /tmp/ProgressReport/app.py /var/www/progressreport/ sudo  
cp /tmp/ProgressReport/templates/* /var/www/progressreport/templates/ # ███  
█████ sudo systemctl restart progressreport
```



- HTTP: http://192.168.1.100

- HTTPS: https://192.168.1.100



```
# ███ DNS ███ ███ progressreport.company.local A 192.168.1.100 # ███ ███  
http://progressreport.company.local https://progressreport.company.local
```



```
# C:\Windows\System32\drivers\etc\hosts ███ ███ 192.168.1.100  
progressreport.company.local # ███ ███ http://progressreport.company.local
```



SSL ███ ███ ███

- ███ ███ ███ ███ ███ ███ ███

- ████ "██" → "██████ ███████" ███

██████ ███████

```
# ████ ████ ███ sudo journalctl --vacuum-time=30d # ███ ████ ███ sudo crontab  
-e # ███ ███ ███ 2█ ███ 0 2 * * 0 apt update && apt upgrade -y
```

██████ ███████

██████ ███████

1. ████ ███: ███ ████ 80, 443 ███ ████
2. IP ███: ping 192.168.1.100
3. ████ ███: sudo systemctl status progressreport nginx

██████ ███████

```
# ███ ███ ███ sudo chown -R www-data:www-data /var/www/progressreport sudo  
chmod -R 755 /var/www/progressreport
```

██████ ███████

```
# ███ ███ ███ sudo netstat -tlnp | grep :8000 sudo netstat -tlnp | grep :80 #  
██████ ███ ███ sudo nano /var/www/progressreport/gunicorn.conf.py
```