Linux ??????????

□□□□□□□□□□□□□□□□□□□□□□ `smartctl -a` □□□□□□□□□□□□□□ **Linux □ SSH Command Restriction (Force Command)** □□□□□ `sudoers` □□□□□□□□

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?? 1????????

□□□ **Linux** □□□□□□□□□□□□□□□□□□□□□□□□ `smartmon` □□□□□□□□□□

```
# □□□□□ smartmon□□□□□□□□□□ shell
sudo useradd -m -s /bin/bash smartmon
```

?? 2??? `sudoers` ????

`smartctl` □□ `root` □□□□□□□□□□□□□□□□□□ `visudo` □□ `smartmon` □□□□□□□ `smartctl` □

1. □□ **sudo** □□□□

   ```
   sudo visudo -f /etc/sudoers.d/smartmon
   ```

2. □□□□□□□□□□□□□□□ `-a` □□□□□□□□□□□□□□□□ □□□□□

   ```
   # □□ smartmon □□□□ root □□□□ smartctl -a
   smartmon ALL=(root) NOPASSWD: /usr/sbin/smartctl -a *
   smartmon ALL=(ALL) NOPASSWD: /usr/sbin/smartctl
   ```

?? 3??? SSH Key ????? (Force Command)

□□□□□□□□□□□ **SSH** □□□□ `command=` □□□□□□□□□□□□□□□□□□□□ **SSH □□ Shell** □□□□□□□□

1. □□ `.ssh` □□□

```
sudo mkdir -p /home/smartmon/.ssh
sudo chmod 700 /home/smartmon/.ssh
```

2. □□ `authorized_keys` □

```
sudo nano /home/smartmon/.ssh/authorized_keys
```

3. □□□□□□□□□□□□□□□□□□□□ □□□□□□ `ssh-ed25519 AAAAC3N...` □□□□□□□ `command="..."` □□□□□□□□

```
command="sudo /usr/sbin/smartctl -a $SSH_ORIGINAL_COMMAND",no-port-forwarding,no-x11-forwarding,no-agent-forwarding,no-pty ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAI... (□□□□)
```

> “□□
> - `command="..."` □□ **SSH** □□□□□□ `sudo smartctl` □□□□□□□□□□
> - `no-port-forwarding,no-x11-forwarding,no-agent-forwarding,no-pty` □□□□ **SSH** □□□□ **PTY** □□□□□□□□□□ **Shell**□

4. □□□□□□□□

```
sudo chmod 600 /home/smartmon/.ssh/authorized_keys
sudo chown -R smartmon:smartmon /home/smartmon/.ssh
```

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1. ?????? S.M.A.R.T. ????????

```
ssh smartmon@<□□IP> /dev/sda
```

```
[redacted]:~# ssh smartmon@[redacted] /dev/disk/by-id/ata-Samsung_SSD_860_EVO_250GB_S3Y9NX0M550465V
smartctl 7.3 2022-02-28 r5338 [x86_64-linux-6.8.12-9-pve] (local build)
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=== START OF INFORMATION SECTION ===
Model Family:     Samsung based SSDs
Device Model:     Samsung SSD 860 EVO 250GB
Serial Number:    S3Y9NX0M550465V
LU WWN Device Id: 5 002538 e410acb64
Firmware Version: RVT03B6Q
User Capacity:    250,059,350,016 bytes [250 GB]
```

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