

This vulnerability is generally not present in pure systemdnetworkd based systems, since in that case, the legitimate systemd-networkd process will be holding the required D-Bus name. However, it is present where attempts have been made to disable systemd-networkd, for example using scripts such as

https://gist.github.com/polrus/772618cfead9c1b63b24658402 4d7765, which enables NetworkManager for Ubuntu Server installs.

Commands

```
sudo apt update

sudo apt -y install network-manager
sudo nano /etc/cloud/cloud.cfg.d/99-disable-net
Add content: "network: {config: disabled}" and :
sudo nano /etc/netplan/50-cloud-init.yaml
Add "renderer: NetworkManager" to "network:" blo
sudo netplan generate
sudo netplan apply
sudo systemctl enable NetworkManager.service
sudo systemctl restart NetworkManager.service
sudo systemctl disable systemd-networkd
```

Detection

To aid detection of this specific poc we have released a sigma rule. It should be noted that this sigma rule is specific to our poc code and may not detect all possible exploit attempts.

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