nm

背景

# nm

2022年12月19日

# 网络配置包含什么

- 接口
- 地址
- ■路由
- DNS

## 配置方式

- 写文件 (例如/etc/resolv.conf)
- iproute2
- NetworkManager, systemd-networkd, ...

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肖景

#### netlink

iproute2 可以管理的资源很多,但其本质通过的是内核提供的 netlink 接口,与修改文件等配置有本质的不同

### netlink

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背景

Netlink is used to transfer information between the kernel and user-space processes. It consists of a standard sockets-based interface for user space processes and an internal kernel API for kernel modules.

netlink\_family selects the kernel module or netlink group to communicate with. The currently assigned netlink families are:

### NETLINK\_ROUTE

Receives routing and link updates and may be used to modify the routing tables (both IPv4 and IPv6), IP addresses, link parameters, neighbor setups, queueing disciplines, traffic classes, and packet classifiers (see rtnetlink(7)).