

知 ONEStor部署时重启network服务报错Failed to start LSB: Bring up/down net working

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组网及说明

ONEStor

问题描述

安装完ONESstor底层系统，修改网络配置后重启网络服务，发现重启失败，报错Failed to start LSB: Bringing up/down networking.

```
[root@localhost network-scripts]# service network restart
Restarting network (via systemctl): Job for network.service failed because the control process exited with error code. See "systemctl status network.service" and "journalctl -xe" for details.
[root@localhost network-scripts]# systemctl status network
[FAILED]
■ network.service - LSB: Bring up/down networking
   Loaded: loaded (/etc/rc.d/init.d/network; bad; vendor preset: disabled)
   Active: failed (Result: exit-code) since Fri 2021-04-09 18:16:34 CST; 13s ago
     Docs: man:systemd-sysv-generator(8)
    Process: 42984 ExecStart=/etc/rc.d/init.d/network start (code=exited, status=1/FAILURE)

Apr 09 18:16:34 localhost.localdomain network[42984]: ETNETLINK answers: File exists
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Apr 09 18:16:34 localhost.localdomain systemd[1]: network.service: control process exited, code=exited status=1
Apr 09 18:16:34 localhost.localdomain systemd[1]: Failed to start LSB: Bring up/down networking.
Apr 09 18:16:34 localhost.localdomain systemd[1]: Unit network.service entered failed state.
Apr 09 18:16:34 localhost.localdomain systemd[1]: network.service failed.
[root@localhost network-scripts]#
```

过程分析

1、排查是否存在网卡mac地址与配置文件不符的情况。

使用ip addr查询当前网卡的mac地址，并与/etc/sysconfig/network-scripts/ifcfg-ethxx 网卡配置文件中的mac地址对比，如存在不一致情况，需要手动修改配置文件中的mac地址，与ip addr查询到的保持一致。

2、网卡配置文件中onboot设置问题

ONBOOT是指明在系统启动时是否激活网卡，只有在激活状态的网卡才能去连接网络，进行网络通讯。

对于ONEStor的网络配置，要求按照开局指导书修改网卡配置文件，并做双网卡做聚合。部分环境开局时可能仅配置了管理网地址，存在其他网卡闲置的情况，闲置网卡未进行配置文件的修改。此时需要在/etc/sysconfig/network-scripts/ifcfg-ethxx检查网卡配置文件中，onboot项是否设置为OnBOOT=yes。对于OnBOOT=yes且BOOTPROTO=dhcp的情况，获取不到ip地址，网络服务无法启动。

```
TYPE="Ethernet"
PROXY_METHOD="none"
BROWSER_ONLY="no"
BOOTPROTO="dhcp"
DEFROUTE="yes"
IPV4_FAILURE_FATAL="no"
IPV6_INIT="yes"
IPV6_AUTOCONF="yes"
IPV6_DEFROUTE="yes"
IPV6_FAILURE_FATAL="no"
IPV6_ADDR_GEN_MODE="stable-privacy"
NAME="eth0"
UUID="638ec1e6-295e-4108-a10c-3f358f3c5907"
DEVICE="eth0"
ONBOOT="yes"
```

闲置网卡可以手动将ONBOOT项改为no，或在OnBOOT=yes时，配置ip地址或加入bond中，此时网络服务才能正常启动。

解决方法

- 1、对于闲置网卡，将ONBOOT项修改为no，修改后可以正常重启网络服务。
- 2、对于后续要使用的网卡，按照开局指导中的要求，将网卡配置聚合或配置ip地址：
需注意此时BOOTPROTO项也随之修改，单网口修改为static，聚合修改为none。

```
TYPE="Ethernet"
PROXY_METHOD="none"
BROWSER_ONLY="no"
BOOTPROTO="static"
DEFROUTE="yes"
IPV4_FAILURE_FATAL="no"
IPV6INIT="yes"
IPV6_AUTOCONF="yes"
IPV6_DEFROUTE="yes"
IPV6_FAILURE_FATAL="no"
IPV6_ADDR_GEN_MODE="stable-privacy"
NAME="eth0"
UUID="638ec1e6-295e-4108-a10c-3f358f3c5907"
DEVICE="eth0"
ONBOOT="yes"
IPADDR=172.16.4.20
PREFIX=24
```

```
TYPE="Ethernet"
PROXY_METHOD="none"
BROWSER_ONLY="no"
BOOTPROTO="none"
DEFROUTE="yes"
IPV4_FAILURE_FATAL="no"
IPV6INIT="yes"
IPV6_AUTOCONF="yes"
IPV6_DEFROUTE="yes"
IPV6_FAILURE_FATAL="no"
IPV6_ADDR_GEN_MODE="stable-privacy"
NAME="eth0"
UUID="638ec1e6-295e-4108-a10c-3f358f3c5907"
DEVICE="eth0"
ONBOOT="yes"
MASTER=bond0
SLAVE=yes
```

配置后重启网络服务，可以正常启动。

```
[root@localhost network-scripts]# service network restart
Restarting network (via systemctl): [ OK ]
[root@localhost network-scripts]# _
```

