

## 12、Linux 常用服务类相关命令



课堂重点：

常用基本命令 – 进程类

➤ **service (centos6)**

- 注册在系统中的标准化程序
- 有方便统一的管理方式（常用的方法）
  - service 服务名 start
  - service 服务名 stop
  - service 服务名 restart
  - service 服务名 reload
  - service 服务名 status
- **查看服务的方法** /etc/init.d/服务名
- **通过chkconfig 命令设置自启动**
  - 查看服务 chkconfig --list|grep xxx
  - chkconfig --level 5 服务名 on

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常用基本命令 – 进程类

➤ **systemctl (centos7)**

- 注册在系统中的标准化程序
- 有方便统一的管理方式（常用的方法）
  - systemctl start 服务名(xxxx.service)
  - systemctl restart 服务名(xxxx.service)
  - systemctl stop 服务名(xxxx.service)
  - systemctl reload 服务名(xxxx.service)
  - systemctl status 服务名(xxxx.service)
- **查看服务的方法** /usr/lib/systemd/system
- **查看服务的命令**
  - systemctl list-unit-files
  - systemctl --type service
- **通过systemctl 命令设置自启动**
  - 自启动systemctl enable service\_name
  - 不自启动systemctl disable service\_name

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## ➤ 运行级别runlevel(centos6)

查看默认级别: **vi /etc/inittab**

运行级对应的服务

Linux系统有7种运行级别(runlevel): **常用的是级别3和5**

- **运行级别0**: 系统停机状态, 系统默认运行级别不能设为0, 否则不能正常启动
- **运行级别1**: 单用户工作状态, root权限, 用于系统维护, 禁止远程登陆
- **运行级别2**: 多用户状态(没有NFS), 不支持网络
- **运行级别3**: 完全的多用户状态(有NFS), 登陆后进入控制台命令行模式
- **运行级别4**: 系统未使用, 保留
- **运行级别5**: X11控制台, 登陆后进入图形GUI模式
- **运行级别6**: 系统正常关闭并重启, 默认运行级别不能设为6, 否则不能正常启动

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(centos 6)

service network status

```
[root@vultr ~]# service network status
Configured devices:
lo eth0
Currently active devices:
lo eth0
```

chkconfig --list

```
[root@vultr ~]# chkconfig --list
acpid          0:off  1:off  2:on   3:on   4:on   5:on   6:off
blk-availability 0:off  1:off  1:on   2:on   3:on   4:on   5:on   6:off
crond          0:off  1:off  2:on   3:on   4:on   5:on   6:off
ip6tables     0:off  1:off  2:on   3:on   4:on   5:on   6:off
iptables      0:off  1:off  2:on   3:on   4:on   5:on   6:off
kdump         0:off  1:off  2:off  3:on   4:on   5:on   6:off
mdmonitor     0:off  1:off  2:on   3:on   4:on   5:on   6:off
netconsole    0:off  1:off  2:off  3:off  4:off  5:off  6:off
netfs         0:off  1:off  2:off  3:on   4:on   5:on   6:off
network       0:off  1:off  2:on   3:on   4:on   5:on   6:off
nfs-rdma      0:off  1:off  2:off  3:off  4:off  5:off  6:off
ntpd          0:off  1:off  2:on   3:on   4:on   5:on   6:off
ntpdate       0:off  1:off  2:off  3:off  4:off  5:off  6:off
postfix       0:off  1:off  2:on   3:on   4:on   5:on   6:off
rdisc         0:off  1:off  2:off  3:off  4:off  5:off  6:off
rdma          0:off  1:on   2:on   3:on   4:on   5:on   6:off
restorecond   0:off  1:off  2:off  3:off  4:off  5:off  6:off
rsyslog       0:off  1:off  2:on   3:on   4:on   5:on   6:off
sslaauthd     0:off  1:off  2:off  3:off  4:off  5:off  6:off
sshd          0:off  1:off  2:on   3:on   4:on   5:on   6:off
udev-post     0:off  1:on   2:on   3:on   4:on   5:on   6:off
```

chkconfig --level 5 network off

```
[root@vultr ~]# chkconfig --level 5 network off
[root@vultr ~]# chkconfig --list
```

acpid	0:off	1:off	2:on	3:on	4:on	5:on	6:off
blk-availability	0:off	1:on	2:on	3:on	4:on	5:on	6:off
cron	0:off	1:off	2:on	3:on	4:on	5:on	6:off
ip6tables	0:off	1:off	2:on	3:on	4:on	5:on	6:off
iptables	0:off	1:off	2:on	3:on	4:on	5:on	6:off
kdump	0:off	1:off	2:off	3:on	4:on	5:on	6:off
mdmonitor	0:off	1:off	2:on	3:on	4:on	5:on	6:off
netconsole	0:off	1:off	2:off	3:off	4:off	5:off	6:off
netfs	0:off	1:off	2:off	3:on	4:on	5:on	6:off
network	0:off	1:off	2:on	3:on	4:on	5:off	6:off
nfs-rdma	0:off	1:off	2:off	3:off	4:off	5:off	6:off
ntpd	0:off	1:off	2:on	3:on	4:on	5:on	6:off
ntpddate	0:off	1:off	2:off	3:off	4:off	5:off	6:off
postfix	0:off	1:off	2:on	3:on	4:on	5:on	6:off
rdisc	0:off	1:off	2:off	3:off	4:off	5:off	6:off
rdma	0:off	1:on	2:on	3:on	4:on	5:on	6:off
restorecond	0:off	1:off	2:off	3:off	4:off	5:off	6:off
rsyslog	0:off	1:off	2:on	3:on	4:on	5:on	6:off
saslauthd	0:off	1:off	2:off	3:off	4:off	5:off	6:off

(centos7)

systemctl status firewalld

```
[root@vultr ~]# systemctl status firewalld
● firewalld.service - firewalld - dynamic firewall daemon
   Loaded: loaded (/usr/lib/systemd/system/firewalld.service; enabled; vendor preset: enabled)
   Active: active (running) since Fri 2019-03-29 08:44:36 UTC; 6min ago
     Docs: man:firewalld(1)
    Main PID: 1781 (firewalld)
    CGroup: /system.slice/firewalld.service
            └─1781 /usr/bin/python -Es /usr/sbin/firewalld --nofork --nopid

Mar 29 08:44:35 guest systemd[1]: Starting firewalld - dynamic firewall daemon...
Mar 29 08:44:36 guest systemd[1]: Started firewalld - dynamic firewall daemon.
```

systemctl stop firewalld

systemctl status firewalld

```
[root@vultr ~]# systemctl stop firewalld
[root@vultr ~]# systemctl status firewalld
● firewalld.service - firewalld - dynamic firewall daemon
   Loaded: loaded (/usr/lib/systemd/system/firewalld.service; enabled; vendor preset: enabled)
   Active: inactive (dead) since Fri 2019-03-29 08:52:08 UTC; 1s ago
     Docs: man:firewalld(1)
    Process: 1781 ExecStart=/usr/sbin/firewalld --nofork --nopid $FIREWALLD_ARGS (code=exited, status=0/SUCCESS)
    Main PID: 1781 (code=exited, status=0/SUCCESS)

Mar 29 08:44:35 guest systemd[1]: Starting firewalld - dynamic firewall daemon...
Mar 29 08:44:36 guest systemd[1]: Started firewalld - dynamic firewall daemon.
Mar 29 08:52:08 vultr.guest systemd[1]: Stopping firewalld - dynamic firewall daemon...
Mar 29 08:52:08 vultr.guest systemd[1]: Stopped firewalld - dynamic firewall daemon.
```

systemctl list-unit-files

```
[root@vultr ~]# systemctl list-unit-files
UNIT FILE                                STATE
proc-sys-fs-binfmt_misc.automount       static
dev-hugepages.mount                     static
dev-mqueue.mount                        static
proc-sys-fs-binfmt_misc.mount           static
sys-fs-fuse-connections.mount           static
sys-kernel-config.mount                 static
sys-kernel-debug.mount                  static
tmp.mount                               disabled
brandbot.path                           disabled
systemd-ask-password-console.path       static
systemd-ask-password-plymouth.path       static
systemd-ask-password-wall.path          static
session-1.scope                         static
session-2.scope                         static
session-3.scope                         static
autovt@.service                         enabled
blk-availability.service                 disabled
brandbot.service                        static
chrony-dnssrv@.service                   static
chrony-wait.service                     disabled
chronyd.service                         enabled
console-getty.service                   disabled
console-shell.service                   disabled
. . .
```

systemctl list-unit-files |grep firewalld

```
[root@vultr ~]# systemctl list-unit-files |grep firewalld
firewalld.service                       enabled
```

systemctl disable firewalld

systemctl list-unit-files |grep firewalld

```
[root@vultr ~]# systemctl disable firewalld
Removed symlink /etc/systemd/system/multi-user.target.wants/firewalld.service.
Removed symlink /etc/systemd/system/dbus-org.fedoraproject.FirewallD1.service.
[root@vultr ~]# systemctl list-unit-files |grep firewalld
firewalld.service                       disabled
```