

Locking Down Your systemd Services

LinuxCon Europe, Berlin

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systemd

systemd
Service Management

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Security

Unit Files

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[Unit]

Description=Router Advertisement Daemon for IPv6

[Service]

ExecStart=/usr/sbin/radvd

Type=forking

PIDFile=/var/run/radvd/radvd.pid

[Install]

WantedBy=multi-user.target

[Unit]

Description=Router Advertisement Daemon for IPv6

[Service]

ExecStart=/usr/sbin/radvd

Type=forking

PIDFile=/var/run/radvd/radvd.pid

PrivateTmp=yes

ProtectSystem=full

ProtectHome=yes

[Install]

WantedBy=multi-user.target

User=

User=

DynamicUser=

CapabilityBoundingSet=

CapabilityBoundingSet=

SecureBits=

PrivateTmp=

PrivateDevices=

PrivateNetwork=

```
ProtectSystem=no|yes|full|strict
```


ReadWritePaths=

ReadWritePaths=

ReadOnlyPaths=

```
ReadWritePaths=  
ReadOnlyPaths=  
InaccessiblePaths=
```

PrivateUsers=

RootDirectory=

ProtectKernelTunables=

```
ProtectControlGroups=
```

MountFlags=slave

NoNewPrivileges=

```
SystemCallFilter=
```

SystemCallFilter=

Example: SystemCallFilter=~@clock @ipc

SystemCallArchitecture=

```
RestrictAddressFamilies=
```

MemoryDenyWriteExecute=

```
RestrictRealtime=
```

DeviceAllow=

SELinuxContext=

```
SELinuxContext=  
AppArmorProfile=
```

```
SELinuxContext=  
AppArmorProfile=  
SmackProcessLabel=
```

Future:

Future:
ProtectKernelLogs=

Future:

ProtectKernelLogs=

ProtectClock=

Future:

ProtectKernelLogs=

ProtectClock=

ProtectKernelModules=

Future:

ProtectKernelLogs=

ProtectClock=

ProtectKernelModules=

ProtectTracing=

Future:

ProtectKernelLogs=

ProtectClock=

ProtectKernelModules=

ProtectTracing=

ProtectMount=

Future:

ProtectKernelLogs=

ProtectClock=

ProtectKernelModules=

ProtectTracing=

ProtectMount=

RestrictNamespaces=

That's all, folks!