

# Setting Resource Limits on CentOS/RedHat/Oracle Linux

While you can use Warden to automatically set resource limits, you may want to set limits manually.

Rather than relying on Warden to set resource limits automatically using `ulimit`, you can use the following procedure to set the limits manually.

1. Edit `/etc/security/limits.conf` and add a line to set the resource limits. For example, set the resource limits to 64K.

```
<MAPR_USER> - nofile 64000
```

2. Edit `/etc/security/limits.d/90-nproc.conf` to add a similar line.

```
<MAPR_USER> - nproc 64000
```

3. Check that the `/etc/pam.d/su` file contains the following settings:

```
##PAM-1.0
auth            sufficient      pam_rootok.so
# Uncomment the following line to implicitly trust users in the "wheel" group.
#auth           sufficient      pam_wheel.so trust use_uid
# Uncomment the following line to require a user to be in the "wheel" group.
#auth           required        pam_wheel.so use_uid
auth            include         system-auth
account         sufficient      pam_succeed_if.so uid = 0 use_uid quiet
account         include         system-auth
password        include         system-auth
session         include         system-auth
session         required        pam_limits.so
session         optional        pam_xauth.so
```

4. Use `ulimit` to verify settings.
5. Reboot the system.
6. Run the following command as the MapR user (not root) at a command line: `ulimit -n`