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[Centos, microcode](#)

# Update Microcode

This example is for Intel CPU Microcode.

## Install the necessary packages

```
yum install linux-firmware microcode_ctl
```

## Check for current version

```
dmesg | grep 'microcode'
```

## Example Result

```
[ 0.872172] microcode: sig=0x906e9, pf=0x2, revision=0x5e  
[ 0.872692] microcode: Microcode Update Driver: v2.2.
```

## Unpack microcode archive

```
tar xzfv microcode-20180108.tgz
```

## Copy new microcode

### Check reload exists :

```
ls -l /sys/devices/system/cpu/microcode/reload
```

### Copy all unpacked files of intel-ucode:

```
cp -v intel-ucode/* /lib/firmware/intel-ucode/
```

## Set reload to True

```
echo 1 > /sys/devices/system/cpu/microcode/reload
```

## Update current initramfs

```
drakut -f
```

## Finish

Reboot the server.

## Verify

To verify your update you can again:

```
dmesg | grep 'microcode'
```

## Example Result

After

```
[ 0.000000] microcode: microcode updated early to revision 0x80, date = 2018-01-04  
[ 0.872172] microcode: sig=0x906e9, pf=0x2, revision=0x80  
[ 0.872692] microcode: Microcode Update Driver: v2.2.
```

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