Article Number

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Title

Changing Interface Names in CentOS 7

Summary

The default interface names in CentOS 7 cause the Software WCG to be unable to select the interface in multiple menus. This article details the process to change the interface names to the older ethX interface numbering scheme.

Notes and Warnings

Note This only applies to Software Content Gateway and requires a reboot to implement.

Problem

I am having an issue with assigning interfaces in a Software Content Gateway for Management Clustering or WCCP. An `ifconfig` on the server shows interface names of `ensXXX` or `enoXXX`.

Solution

Starting in CentOS 7, the default interface names have been changed.   This causes issues with the Software Content Gateway as it expects interface names starting with `eth` versus `ens` or `eno`.   The following process will rename the interface in Linux and allow the Software Content Gateway to use the interface(s).

First, the Grub config must be edited so that the interface names are not set to ens and eno at boot.   This can be done by editing the `/etc/default/grub` file and adding the following options to the end of the `GRUB_CMDLINE_LINUX` variable:

```
net.ifnames=0 biosdevname=0
```

This change can be tested by running the following command and looking for errors:

```
grub2-mkconfig
```

If no errors are shown, the following command will update the boot configuration:

```
grub2-mkconfig -o /boot/grub2/grub.cfg
```

Now that the grub configuration has been updated, the existing interface configuration files must be updated to reflect the new interface names.   In the example below, interface `ens192` is being renamed to interface `eth0`.   Change the commands to reflect the interface names in the customer environment.

```
cd /etc/sysconfig/network-scripts/
mv ifcfg-ens192 ifcfg-eth0
sed -i 's/ens192/eth0/g' ifcfg-eth0
```

Repeat this for any interface that needs to be renamed.   Upon completion, reboot the server and the interfaces will come online with the new names and should be available in the Content Gateway Manager.

keywords;
software content gateway; centos 7; interface; rename;eth; deploy; configure; install; linux
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