How to change the flow control and MTU settings on physical interfaces with minimum disruption in a production environment

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Description

When physical interfaces are part of a logical interface such as a VIF or IFGRP, the MTU and flow control settings cannot be modified. Due to this, you must either disruptively destroy the logical interface and make the changes with the `ifconfig` command and change the `/etc/rc` file or non-disruptively change the `/etc/rc` file and perform a takeover and giveback. The `cf takeover` and `cf giveback` commands can be used to make changes to interface groups in the HA pair in a non-disruptive manner. For more information, see [Making nondisruptive changes to the interface groups](#)

Change the configuration of the `/etc/rc` file, so that a file can be read read and the interfaces are configured in order to reflect the new MTU size and flowcontrol settings the next time, as shown in the following example. The MTU and/or flowcontrol setting should be modified prior to creation and configuration of the logical interface.

Procedure

Sample original `/etc/rc` file:

```
hostname FAS3270
ifgrp create lacp vif10_SAN -b ip e1b e1a
ifconfig vif10_SAN `hostname`-vif10_SAN netmask 255.255.255.0 partner vif10_SAN
mtusize 1500
route add default 10.10.10.1
routed on
options dns.domainname toaster.corp
options dns.enable on
savecore
```

Sample updated `/etc/rc` file:

```
hostname FAS3270
ifconfig e1a flowcontrol none mtu 9000
ifconfig e1b flowcontrol none mtu 9000
ifgrp create lacp vif10_SAN -b ip e1b e1a
ifconfig vif10_SAN `hostname`-vif10_SAN netmask 255.255.255.0 partner vif10_SAN
mtusize 1500
route add default 10.10.10.1
routed on
options dns.domainname toaster.corp
options dns.enable on
savecore
```

Related Link:

[1011443](): How to make major changes to vif configuration with minimal impact to system availability

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