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| **Bonding configuration using IPv6 in RHEL6** |

**Step:-1 Editing line in /etc/sysconfig/network.**

NETWORKING\_IPV6=yes

**Step:-2 Create file /etc/modprobe.conf**

alias bond0 bonding

**Step:-3**  **Existing "ifcfg-eth0" and "ifcfg-eth1" files, adding the "MASTER" and "SLAVE" parameters. The contents of these files should look like this.**

**#eth0**

DEVICE=eth0

MASTER=bond0

SLAVE=yes

USERCTL=no

BOOTPROTO=none

ONBOOT=yes

**#eth1**

DEVICE=eth1

MASTER=bond0

SLAVE=yes

USERCTL=no

BOOTPROTO=none

ONBOOT=yes

**Step:-4 we need to create ifcfg-bond0 file under /etc/sysconfig/network-script/**

**#bond0**

DEVICE=bond0

BOOTPROTO=none

ONBOOT=yes

IPV6ADDR=2001:41c8:1:5076::2/64

IPV6\_DEFAULTGW=2001:41c8:1:5076::1

IPV6INIT=yes

USERCTL=no

BONDING\_OPTS="primary=eth0 mode=1 miimon=100"

**Step:-5 start and stop below services.**

**Before start network service . it should be stop NetworkManager.**

#service NetworkManager stop

#service network start.

**Done**