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Preparing the update

This upgrade includes new network cards' drivers. This operation may require reboot.

If your computer's network cards do not support Bypass functionality, we advise to switch to a reserved channel during upgrade. Please check How to reduce down time to 10 s in case this is not possible.

Bypass cards owners can safely perform upgrade, reboot the computer and even switch the power off. The traffic would be bypassed through "bypass" interface during maintenance.

We advise to upgrade OS at the same time as the platform.

Please keep at hand the following information before you start the upgrade:

1. The number of network DNA interfaces' pairs used by DPI:

   ```
   grep -E "^(in|out)_dev" /etc/dpi/fastdpi.conf
   ```

2. The type of DNA network card: igb or ixgbe and its capacity: 1G or 10G

   ```
   ethtool -i dna0|grep driver
   ethtool dna0|grep Speed
   ```

   Here dna0 is to be replaced by interfaces from item 1.

3. Are the types of drivers for control interface and DNA interface the same?

   ```
   ethtool -i eth0|grep driver
   ```

   Here eth0 is to be replaced by the interface name in use (the list can be collected by ipconfig instruction).

4. Is bypass mode supported by your network card? Bypass cards owners: please do not upgrade the OS kernel! The manual will be updated to describe this case.