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## Using Google DNS

### Task 1 - Reboot your modem

1. Turn your modem off. There should be a switch on the modem to do this.
2. Wait 10 seconds.
3. Turn your modem back on.

### Task 2 - Flush the DNS cache

1. Press the windows **Start** key on your keyboard (between the **Ctrl** and **Alt** keys).
2. In the search box, type **cmd**
3. In the list of results, right-click **cmd.exe** and choose **Run as administrator**. A command prompt window appears.
4. At the flashing cursor, type **ipconfig /flushdns**
5. Press Enter on your keyboard. A confirmation message should be displayed stating **Successfully flushed the DNS Resolver Cache**. If not, repeat steps 4 & 5 and ensure the command is typed correctly.
6. After the confirmation message has been displayed, close the command prompt window.

### Task 3 - Check your internet connection settings

1. Press the windows **Start** key on your keyboard (between the **Ctrl** and **Alt** keys).
2. In the search box, type **Internet options**
3. Click the **Internet Options** icon.
4. Click the **Connections** tab.
5. Click **LAN settings**.
6. Ensure the option **Automatically detect settings** is selected.
7. Click **OK**, then click **OK** again to return to the Control Panel.
8. Close the **Control Panel** window.

### Task 4: Record your current internet settings

1. Press the windows **Start** key on your keyboard (between the **Ctrl** and **Alt** keys).
  2. In the search box, type **Control Panel**
  3. Click the **Control Panel** icon.
  4. Click **Network and Sharing Centre**.
  5. Click **Change adaptor settings**.
  6. Identify your active network connection (the one you're currently using for internet access).
  7. Double-click on the link for your network adaptor. The connection **Status** window appears.
  8. Click **Details**.
  9. Take a note of the value for **IPv4 Default gateway**.
  10. Click **Close**. Leave the **Status** window open and complete the next task.
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## Task 5 - Change your DNS settings

1. On the **Status** window, click **Properties**.
2. In the list of items, click to highlight **Internet Protocol Version 4 (TCP/IPv4)**.
3. Click **Properties**.
4. If any details are displayed under **Use the following DNS server addresses**, take a note of these details.
5. Select the option **Use the following DNS server addresses**, then enter the following details:  
**Preferred DNS server:** 8.8.8.8  
**Alternate DNS server:** enter the value for your IPv4 Default Gateway which you noted in the previous task. If this information was NA, enter 8.8.4.4
6. Click **OK**.
7. Close all windows.