Basic DNS Configuration

User Guide

University of Central Florida
UCF Service Desk
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UCF currently operates three root name servers for the ucf.edu domain. The UCF root DNS server addresses are:

<table>
<thead>
<tr>
<th>DNS Server</th>
<th>IP Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>UCF1</td>
<td>10.171.12.5</td>
</tr>
<tr>
<td>UCF2</td>
<td>10.171.12.37</td>
</tr>
<tr>
<td>UCF3</td>
<td>10.171.12.69</td>
</tr>
</tbody>
</table>

The Network Operations Center recommends that all network systems be configured to use these servers for DNS resolution.

All domain registration requests must be submitted to the UCF Service Desk at 407-823-5117 or email servicedesk@mail.ucf.edu.
Configuring all three DNS servers (Windows XP)

Select Start and then Control Panel. Double-click Network Connections.

Double-click the icon for Local Area Connection.

Click Properties.

Under “This connection uses the following items:” scroll down and select Internet Protocol (TCP/IP).

Select Properties.
Select “Use the following DNS servers addresses:”

In the “Preferred DNS Server” field, enter 10.171.12.5.
In the “Alternate DNS Server” field, enter 10.171.12.37.

After both addresses have been entered, click the Advanced… button.

Click the DNS tab.

Under “DNS server addresses, in order of use” the first two DNS servers, 10.171.12.5 and 10.171.12.37 should be listed.

Click the Add… button.
Under **DNS server**, enter the address of the third root DNS server, **10.171.12.69**.

![DNS server window](image)

Click **Add** and the window will close.

Under **DNS server addresses, in order of use** all three root DNS server addresses should be listed.

![Advanced TCP/IP Settings window](image)

Click **OK** to close Advanced TCP/IP Settings.

Click **OK** to close Internet Protocol (TCP/IP) Properties.  
Click **OK** to close Local Area Connection Properties.  
Click **Close** to close Local Area Connection Status.

Click the ‘X’ to close the Network Connections window.
Departmental DNS Configuration (Windows XP)

Select Start and then Control Panel. Double-click Network Connections.

Double-click the icon for Local Area Connection.

Click Properties.

Under “This connection uses the following items:” scroll down and select Internet Protocol (TCP/IP).

Select Properties.
Select “Use the following DNS servers addresses:”

In the “Preferred DNS Server” field, you should see your department's primary DNS server. In this example, we use 192.168.1.10.

In the “Alternate DNS Server” field, you should see your department's secondary DNS server. In this example, we use 192.168.1.11.

If both addresses have been entered, click the Advanced… button.

Click the DNS tab.

Under “DNS server addresses, in order of use” your departmental DNS servers should be listed. In this example they are 192.168.1.10 and 192.168.1.11.

Click the Add… button.
Under “DNS server”, enter the address of the first root DNS server, **10.171.12.5**

Click **Add** and the window will close.

In the Advanced TCP/IP Settings window click the **Add…** button again and under “DNS server”, enter the second root DNS server, **10.171.12.37**

Click **Add** and the window will close.

In the Advanced TCP/IP Settings window click the **Add…** button again and under “DNS server”, enter the third root DNS server, **10.171.12.69**

Click **Add** and the window will close.

Under “DNS server addresses, in order of use” all the departmental DNS servers as well as all three UCF root DNS server addresses should be listed.

Click **OK** to close Advanced TCP/IP Settings.

Click **OK** to close Internet Protocol (TCP/IP) Properties.
Click **OK** to close Local Area Connection Properties.
Click **Close** to close Local Area Connection Status.
Click the ‘X’ to close the Network Connections window.