



DNS Setup

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Goals

DNS can be a complicated system and setting up your own nameservers can seem intimidating. This guide will skip past the technical details of how DNS works and provide you with the essential information you need to set up your nameservers in a single-server cPanel and WHM environment. It focuses on setting up nameservers on your cPanel & WHM server, including the default way to configure nameservers. This guide is divided in to three sections. Please go through the sections and use them according to your needs.

1. Choosing nameserver software

In order to select nameserver software, please follow the steps below:

1. Login to WHM as IP ADDRESS:2086 by using the VPS root username and password included in your welcome email.
2. Go to Main >> Service Configuration >> Nameserver Selection.
3. Here you can select your desired the nameserver software by ticking either of the options available and clicking the Save button. (The advantages and disadvantages of the two different nameserver software programs will be displayed for your convenience, as per the screenshot below).

Main >> Service Configuration >> Nameserver Selection

Nameserver Selection

A nameserver is a program that maintains a list of your domain names and their corresponding IP addresses, allowing visitors to find the domains hosted on your server. networking setups of most servers. However, servers using a remote nameserver do not need to configure their own.

Here you can select the nameserver you wish to use, if any.

| Name Server | Advantages | Disadvantages | Notes |
|---------------------------------------|--|--|---|
| <input checked="" type="radio"/> BIND | <ul style="list-style-type: none"> Configuration file can be manually edited. Extremely configurable. Provides a caching nameserver. Very tolerant of syntax errors in zone files. | <ul style="list-style-type: none"> Much Larger Memory Footprint | <ul style="list-style-type: none"> This is the default choice and is recommended for most systems. |
| <input type="radio"/> NSD | <ul style="list-style-type: none"> Very low memory footprint. Extremely lightweight. No additional configuration needed. | <ul style="list-style-type: none"> Configuration is generated automatically. Does not provide a caching nameserver. Will only serve zones. (requires external nameservers in resolv.conf) Must restart each time zones are altered. Limited to 512 IP addresses. | <ul style="list-style-type: none"> This is ideal for a small vps when your datacenter provides caching nameservers. Not recommended for system that will host many DNS zones or IP addresses. |
| <input type="radio"/> Disabled | | | <ul style="list-style-type: none"> This option will disable the nameserver. If you are serving dns as part of a cluster you may not need to run one locally. |

Save

2. Name your nameserver

In order to add your nameservers in WHM, please follow the steps below:

1. Log into WHM as IP ADDRESS:2086 using the VPS root username and password included in your welcome email.
2. Go to Main >> Server Configuration >> Basic cPanel & WHM Setup. There you will find a Nameservers section at the bottom of Basic cPanel & WHM Setup. You can see this from the below screen shot.

Nameservers

The root account's default nameservers used when root creates an account.

| | | | |
|---------------|---|--|---|
| Nameserver 1: | <input type="text" value="ns1.mhtest.com"/> | <input type="button" value="Assign IP address"/> | <input type="button" value="Add an A entry for this nameserver"/> |
| Nameserver 2: | <input type="text" value="ns2.mhtest.com"/> | <input type="button" value="Assign IP address"/> | <input type="button" value="Add an A entry for this nameserver"/> |
| Nameserver 3: | <input type="text"/> | <input type="button" value="Assign IP address"/> | <input type="button" value="Add an A entry for this nameserver"/> |
| Nameserver 4: | <input type="text"/> | <input type="button" value="Assign IP address"/> | <input type="button" value="Add an A entry for this nameserver"/> |

3. Enter the nameservers you wish to use for your domains hosted on the server.
4. Click the Save Changes button.

3. Adding IP addresses for your nameserver

Your two nameservers will each require an IP address. While technical standards strongly advise against it, our software can run everything (including both nameservers) from a single IP address.

1. In order to provide the IP address for your nameservers, please click on Add an A entry for this nameserver button by following the steps we have outlined in the previous Name your name server section. A pop-up window will open; here you can add the IP address.
2. After typing in the IP address, click the Save button.



| Nameserver | Nameserver |
|--------------------------|------------|
| ns1.manage.myhosting.com | NA |

Enter the IP address to use for the "A Entry"

Conclusion

At this point, your nameserver software should be functional. Now, we need to get the rest of the Internet to use that nameserver. If these nameservers are already registered with the specified IP address by your domain name registrar, then no further action is required. Otherwise, you can use any public nameservers like myhosting.com nameservers. If you encountered any issues with this guide, please also note that there is additional information available in our Wiki database at <http://myhosting.com/kb>. Finally, we encourage you to contact our technical support team by email at vps@myhosting.com, or calling us at 1-866-289-5091 with any questions or concerns.