Adding Bulk Hosts

To add a bulk host:

1. From the Data Management tab, select the DNS tab, expand the Toolbar and click Add -> Host -> Add Bulk Host.
2. In the Add Bulk Host wizard, complete the following fields:
   - **Prefix**: If Grid Manager displays a zone name, enter a prefix (or series of characters) to insert at the beginning of each host name. The displayed zone name can either be the last selected zone or the zone from which you are adding the bulk host record. If no zone name is displayed or if you want to specify a different zone, click Select Zone. When there are multiple zones, Grid Manager displays the Zone Selector dialog box. Click a zone name in the dialog box, and enter a prefix for the bulk host record. You can enter any printable character that complies with the zone host name policy or you can also leave this blank. The sum of the bulk host prefix length and suffix length must not exceed 63 characters. When you enter a prefix, the NIOS appliance computes the maximum length of the bulk host suffix to verify that the total prefix and suffix length does not exceed 63 characters. If it does, the appliance displays an error message indicating the number of characters that you must remove to make a valid prefix.
   - **DNS View**: Displays the DNS view of the zone to which the bulk host records belong.
   - **Host Name Policy**: Displays the host name policy of the selected DNS zone.
   - **Name Format**: To override the default four-octet suffix format or the format set at the Grid level, and specify a different format, click Override and select a host name format from the Name Formats drop-down menu.
   - **Starting IP Address**: Enter the first IP address in the range of addresses for the group.
   - **End IP Address**: Enter the last IP address in the range of addresses for the group.
   - **Comment**: Optionally, enter additional information for this record.
   - **Automatically Add Reverse Mapping**: Click to have the appliance automatically create a PTR record for each IP address within the bulk host range.
   - **Disable**: Clear the check box to enable the record. Select the check box to disable it.
3. Click Next to define extensible attributes for the bulk host record. For information, see Using Extensible Attributes.
4. Save the configuration and click Restart if it appears at the top of the screen.

To modify or delete a bulk host, see Modifying, Disabling, and Deleting Host and Resource Records.

Example 1 - Responding to DNS AXFR Queries

This example shows the responses the bulk host foo/1.2.3.10/1.2.3.20 returns to DNS AXFR (Full Zone Transfers) queries. If the bulk host uses the template -$3-$4, the query returns:

```
foo-3-10.test.com foo-3-11.test.com
......
foo-3-20.test.com
```

If the bulk host uses the template -#2-#3-#4, the query returns:

```
foo-002-003-010.test.com foo-002-003-011.test.com
......
foo-002-003-020.test.com
```

Example 2 - Importing Zones with Bulk Hosts

When you import zones with bulk hosts, the system selects the most specific match. The following example can possibly match three octet, two octet, and one octet formats; however, the system selects the most specific four octet default format. The query:

```
foo-1-2-3-4 IN A 1.2.3.4
foo-1-2-3-5 IN A 1.2.3.5
```

Results in the match:

```
foo/1.2.3.4/1.2.3.5(Four Octets)
```

Not in any of the following:
```
foo-1/1.2.3.4/1.2.3.5(Three Octets) foo-1-2/1.2.3.4/1.2.3.5(Two Octets) foo-1-2-3/1.2.3.4/1.2.3.5(One Octet)
```