Initialize Lumeta

The Lumeta Initial Configuration wizard facilitates entering the global system configuration that tells your Lumeta system how to communicate on your network (e.g., IP address, network mask, default gateway). You can enter this system configuration manually or automatically via DHCP. If you chose the automatic setup method (DHCP), you'll need to supply only the host name of your Lumeta system (e.g., mySpectre) and the name of any interface cards on your host (e.g., int0, int1, int2). This page provides a detailed description of the manual method only, which users prefer and Lumeta recommends.

To initialize Lumeta manually, you will need the following:

- ☐ IP address of your system (IPv4 and optionally, IPv6)
- ☐ IP gateway of your system (IPv4 and optionally, IPv6)
- ☐ IP netmask of your system (IPv4 and optionally, IPv6)
- ☐ DNS server address
- ☐ NTP server address

If you lack any of this information, please contact your organization's IT or system administrator for assistance.

Initialize Lumeta

Follow this procedure to initialize Lumeta:

1. With your manual configuration information on hand (i.e., address, gateway, netmask, DNS, NTP), log into the Lumeta CLI from your VMware console and press **Enter**.
   The Lumeta Initial Configuration screen displays.

2. Confirm or change the system's host name.

```
CHANGE HOST NAME

Your Lumeta ESI system comes with a default host name.  You may
keep this name, or change it.

New host name or <Enter> to keep the old one [eos]
```

   To change the host name type a *<new host name>* and then press **Enter**. This new name must be unique. To keep the default host name, just press Enter.

3. Choose manual or automatic DHCP configuration. Although DHCP gives you a faster setup, manual configuration is recommended because it assigns a static IP address to the Lumeta system.

```
NETWORK INTERFACE CONFIGURATION -- DHCP selection

A DHCP server can automatically configure your network settings
or you may configure an IP address, netmask and gateway manually.

How would you like to configure the network? (dhcp|manual) [dhcp] 
```

   a. To choose manual configuration, type **manual** and press **Enter**.

```
NETWORK INTERFACE CONFIGURATION -- DHCP selection

A DHCP server can automatically configure your network settings
or you may configure an IP address, netmask and gateway manually.

How would you like to configure the network? (dhcp|manual) [dhcp] manual
```

4. If you have defined more than one interface card select the appropriate interface you want to configure.

```
Your Lumeta system comes with a default host name.  You may
keep this name, or change it.

New host name or <Enter> to keep the old one [esi-it-internal]

NETWORK INTERFACE CONFIGURATION -- Interface selection

The system has more than one network interface card.  Please select
the one you would like to configure.
Select an interface: (eth0|eth1) [eth0] 
```

5. Enter an IP address such as **65.246.240.164** and press Enter.

```
NETWORK INTERFACE CONFIGURATION -- IP address

You may configure your system to use IPv4 or IPv6.
Enter an IPv4 address using quad-dotted decimal representation,
 for example "192.168.1.2".  You may include an optional subnet
 as in "192.168.1.2/32" or you will later be asked for a net mask.
Or enter an IPv6 address using standard CIDR notation.  For example:
 "2001:db8::/32".

Enter an IP address: 65.246.240.164
```

6. Enter a netmask such as **255.255.255.224** and press Enter.

```
NETWORK INTERFACE CONFIGURATION -- Network mask

Enter the netmask for this address.  A netmask is a bitmak
specified in dotted-quad decimal notation, like "255.255.255.0"

Enter a netmask: [255.255.255.0] 255.255.255.224
```

7. Enter the gateway's IPv4 address such as **65.246.240.1** and press Enter.

```
NETWORK INTERFACE CONFIGURATION -- Gateway

Enter the IPv4 address of your gateway router.

Enter the gateway's IPv4 address: 65.246.240.1
```

8. IPv6 Configuration. If not configuring IPv6 Hit Enter

```
NETWORK INTERFACE CONFIGURATION -- IP address

You may configure your system to use IPv4 or IPv6.
Enter an IPv4 address using quad-dotted decimal representation,
 for example "192.168.1.2".  You may include an optional subnet
 as in "192.168.1.2/32" or you will later be asked for a net mask.
Or enter an IPv6 address using standard CIDR notation.  For example:
 "2001:db8::/32".

Enter an IP address (leave blank when done):
```

9. If you have more than one interface card you will be asked to configure that interface. Typing No will continue to DNS

```
NETWORK INTERFACE CONFIGURATION -- Configure another?

The system has more than one network interface card.  You may configure
another interface or reconfigure one you just configured.
Would you like to (re)configure an interface? (yes|no) [yes]
```

10. To supply a Domain Name Server (DNS) address manually, type **manual** and press Enter.

```
DHCP SERVES DNS?

A DHCP server can supply the addresses of your Domain Name Servers
or you may configure DNS manually.

How would you like to configure DNS? (dhcp|manual) [dhcp] manual
```

11. Enter the IP address of a DNS server such as **65.246.244.227** and press Enter.

```
DOMAIN NAME SERVER (DNS) CONFIGURATION

Your current DNS servers are:
        65.246.244.227
        65.246.244.228

Enter up to 3 DNS servers, 1 per line.  A blank line signals you are done.

Enter DNS server IP: 65.246.244.227
Enter DNS server IP: 65.246.244.228
Enter DNS server IP:
```

12. To allow DHCP to supply the Network Time Protocol (NTP), press Enter. Yes supplies default NTP servers from NTP.org. Otherwise, type **manual** to input your own NTP server.

```
DHCP SERVES NTP?

A DHCP server can supply the names of your Network Time Servers
or you may configure NTP manually.

How would you like to configure NTP? (dhcp|manual) [dhcp] manual
```

13. Enter the IP address of an NTP server such as **65.246.244.228** and press **Enter** or enter **yes** to accept the system default.

```
NETWORK TIME PROTOCOL (NTP) CONFIGURATION

You may use the default NTP servers at ntp.org, or servers provided by DHCP or
you may supply your own.

Use default NTP servers? (yes|no) [yes] yes
```
.

14. The system has all the information it needs and begins processing.

```
Please wait while the system is configured

Setting hostname...
Configuring network interfaces...
Determining IP information for eth0... done.

Configuring DNS...
Configuring NTP...Shutting down ntpd:                        [  OK  ]
17 Apr 13:24:10 ntpdate[24923]: no server suitable for synchronization found
Starting ntpd:                                            [  OK  ]

Updating database...
Changing shell for admin.
Shell changed.
```

Processing generally completes in less than 10 seconds.

15. Your initial system configuration is complete; you are logged in to Lumeta.

```
            Your initial system configuration is complete.


                    L u m e t a   E S I
                    Command-Line Interface

Type "help" for instructions.
Type "?" for a list of commands.

Lumeta ESI system eos is unlicensed

admin@Organization1>
```

Notice that you can pull up instructions or a list of commands with the **help** and **?** commands, respectively.

Next, input your product license key.