UNITRENDS

Quick Start Guide for ION and ION+ Appliances

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Contents

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Quick Start Guide for ION and ION+ Appliances

The following instructions detail how to configure your ION or ION+ appliance, as well as how to prepare it to protect your data.

Preparing to configure your Unitrends appliance

First, decide on a location for your appliance. Preferably, a clean, dry area containing power supply and networking capability. For detailed requirements, see the Site Preparation Guide for ION and ION+ Appliances.

Inspect the appliance

After unpacking the appliance, check for physical damage that may have occurred during shipping. To report shipping damage or missing items, please contact Support at one of the following numbers:

Location	Number
Unitrends Support North America	+1.888.374.6124
Unitrends International	+1.855.593.2861
Unitrends Support UK	+44 (0)808 101 7687
Unitrends Support Germany	+49 (0)080 0723 8445

Monitor, keyboard, and mouse

A monitor, keyboard, and mouse are required if you will be assigning a static IP to the appliance. Headless operation is supported if you will be assigning an IP to the appliance via DHCP.

IMPORTANT!   **ION models (ION-108 and ION-208)** – Before powering on the appliance, you must either attach a monitor or the HDMI dongle that came with the appliance. If nothing is attached to the HDMI port the appliance will not boot successfully. The monitor or dongle must remain attached to the HDMI port for the appliance to function properly.

HDMI dongle and port for ION models:

Network requirements

There are several addresses you should permit for all deployments. All of these ports are outgoing connections from the Unitrends Appliance. We do not require incoming NAT of ports or exposing the unit to a public IP, only outgoing communication from a local source Unitrends appliance is needed.

If DHCP is available in your environment, review these DHCP requirements and considerations before proceeding:

- If your environment goes offline for an extended period of time, your appliance may be assigned a new IP address from the DHCP server. This may cause a temporary loss of backup and recovery functionality. If this occurs, see How to resolve recovery issues related to appliance IP address changes for instructions on how to proceed.

- DHCP cannot be a configured for more than one network adapter at any given time.

- A Unitrends appliance intended for use as a backup copy target must be assigned a static IP address.

If DHCP is not available in your environment, or if you intend to use this appliance as a backup copy target, the following information is required for network configuration:

- An IP address to assign to the appliance.

- The netmask value for your organization.

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- A gateway IP address.

- An IP address for networked DNS servers.

- A network domain name.

Note: You can obtain the above information from your network administrator.

Ethernet ports

Ethernet ports are located on the back of the appliance. Connect a cable to an Ethernet network port before powering on the appliance. The primary Ethernet port is configured with DHCP by default. To use DHCP, you must connect to the primary port. See the images below to locate the primary Ethernet port on your appliance (outlined in blue).

- ION appliance models ION-108 and ION-208:
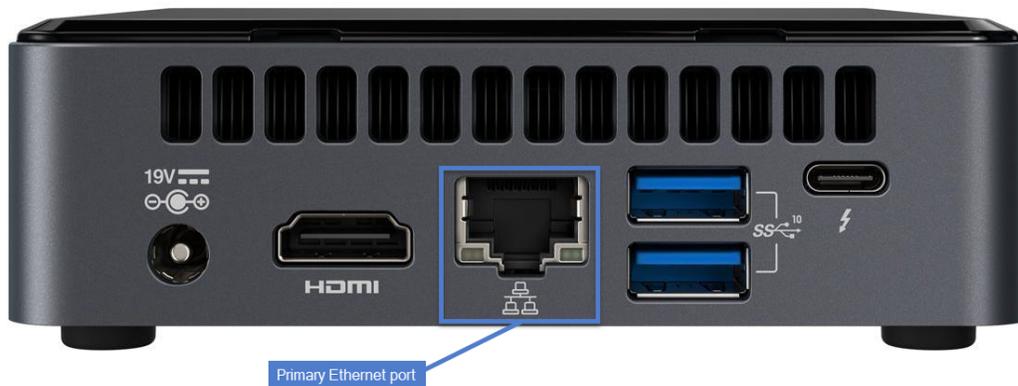
- ION+ appliance models IONP-132, IONP-232, IONP-432, and IONP-832:

Primary Ethernet port
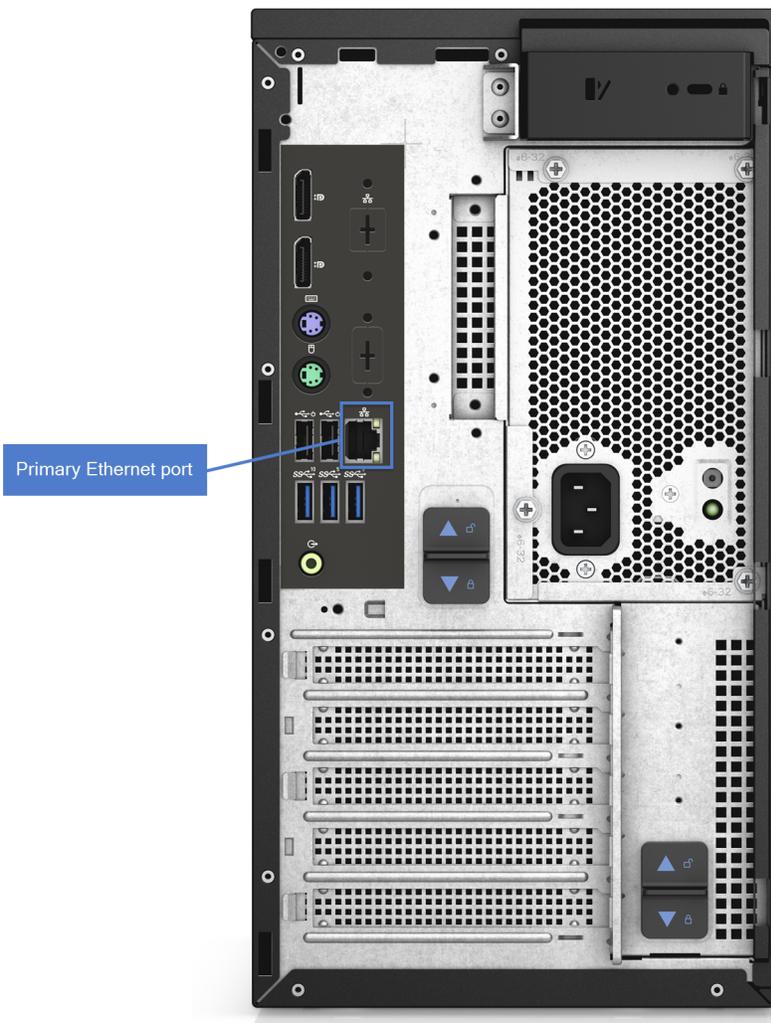
Setting up your appliance

Use the following procedures to set up your appliance:

- "Step 1: Set up the appliance on the network".

- "Step 2: Set up the appliance using the Quick Setup Wizard"

Step 1: Set up the appliance on the network

Your appliance ships with the required software already installed. In addition, the appliance is already registered with the correct license. You do not need to install anything on the appliance. To get started, simply power on the appliance and configure its network settings. Once you have configured network settings, you can perform all administration tasks from any workstation by connecting to the appliance User Interface (UI). Depending on the capabilities of your environment, choose one of the following procedures:

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- "To set up the appliance with DHCP "

- "To set up the appliance with a static IP address"

To set up the appliance with DHCP

1   Ensure a cable is connected to the primary Ethernet port. (See "Ethernet ports" for details.)

2   For ION-108 and ION-208 models, ensure that a monitor or the HDMI loop back cable is connected to the HDMI port.

3   Power on the appliance.

- DHCP automatically assigns an IP address to the appliance when you power it on for the first time.

- When the appliance is powered on, you see a list of menu choices in the Unitrends Backup Console Interface.

- Note the appliance IP address. You will need it to connect to the appliance from a workstation or server on the network.

  > Note: You can find the appliance IP address at the bottom of the Unitrends Backup Console Interface screen or by using an IP scanner or looking at the DCHP service in your firewall or router.

4   Proceed to "Step 2: Set up the appliance using the Quick Setup Wizard" on page 13.

To set up the appliance with a static IP address

1   Ensure a cable is connected to the primary Ethernet port. (See "Ethernet ports" for details.)

2   Ensure that a monitor, keyboard, and mouse are connected to the appliance.

3   Power on the appliance. When the appliance is powered on, you see a list of menu choices in the Unitrends Backup Console Interface. You will use the Unitrends Backup Console Interface to configure the appliance password and network settings.

  > Notes:
  >
  > - As you complete each step, you are presented with the next configuration screen.
  >
  > - You can press **Enter** to accept the default or current setting.

4   Enter **1** in the **Please enter choice** field.

5   To change the direct console password, enter a new password, then enter the password again to confirm.

> **Notes:**
>
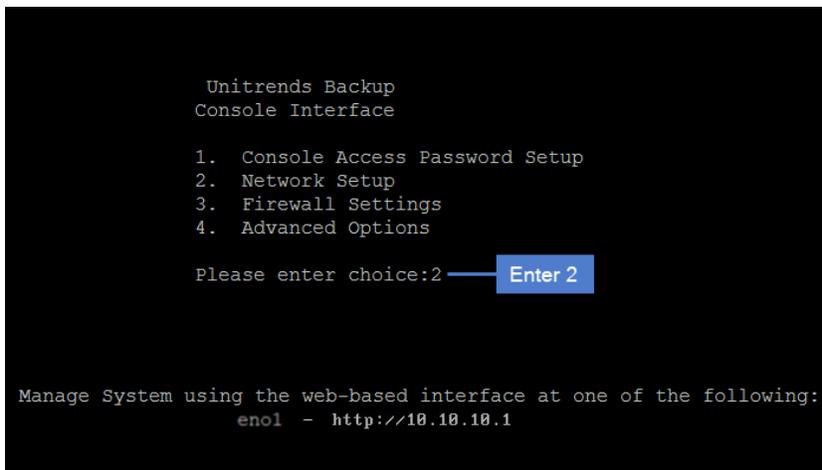> - This is the root operating system password that accesses the console. This password does not access the UI. (You will change the UI password in "Step 2: Set up the appliance using the Quick Setup Wizard" on page 13.)
>
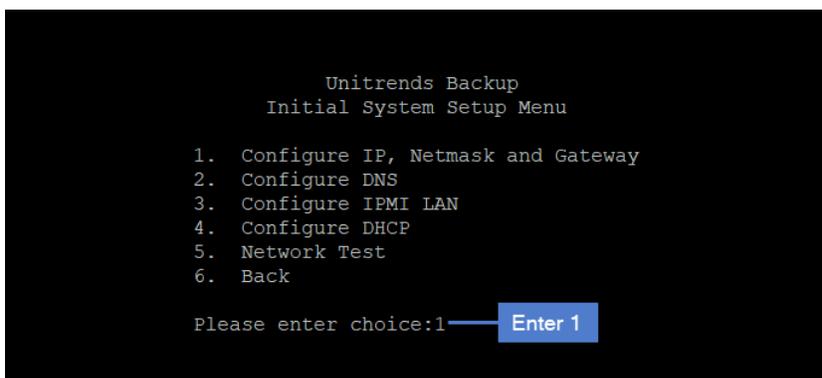> - The password cannot contain the word *Unitrend* (case insensitive).

6   On the Console Interface screen, enter **2** in the **Please enter choice** field.

```
        Unitrends Backup
        Console Interface

    1.  Console Access Password Setup
    2.  Network Setup
    3.  Firewall Settings
    4.  Advanced Options

    Please enter choice:2 ──── Enter 2




Manage System using the web-based interface at one of the following:
            eno1  -  http://10.10.10.1
```

7   On the Initial System Setup Menu screen, enter **1** in the **Please enter choice** field.

```
            Unitrends Backup
         Initial System Setup Menu

    1.  Configure IP, Netmask and Gateway
    2.  Configure DNS
    3.  Configure IPMI LAN
    4.  Configure DHCP
    5.  Network Test
    6.  Back

    Please enter choice:1 ──── Enter 1
```

8   Enter a number in the **Select a network adapter** field. For example, enter **0** to select *en01*.

```
    0. eno1                     Enter a number to
                               select an adapter.
                              If your appliance has
  Select a network adapter: 0  multiple adapters, each
                                  is listed.
```
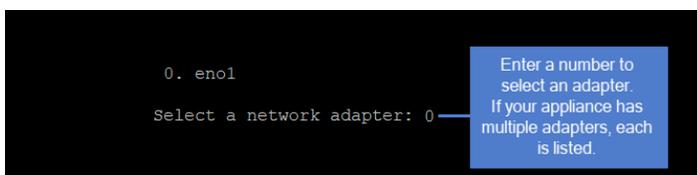
9   Enter **Y** to configure the IP address, netmask, and gateway. Follow the prompts to enter each setting. Review your settings, then enter **Y** to commit the network configuration changes.

```
Network Adapter:      eno1
Current IP address:  10.10.10.1
Current Netmask:     "255.255.255.0"
Current Gateway:     n/a

Edit network configuration? [n/Y]: Y ──── Enter Y
```
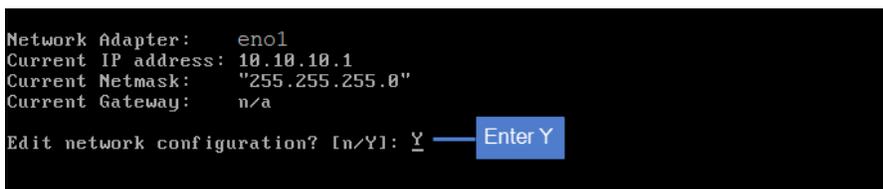
```
Current IP address: 10.10.10.1
Enter new System IP Address: 19█.███.███.██0 ——— Enter an IP address for the
                                                  Unitrends appliance
```

```
Current Netmask: "255.255.255.0"
Enter new System Netmask: ————— Enter new netmask or press
                                Enter to accept the default
```

```
Current Gateway: n/a
Enter new Network Gateway: 19█.███.███.1 ——— Enter gateway IP address
```

```
Adapter:            eno1

Current IP address: 10.10.10.1
Current Netmask:    "255.255.255.0"
Current Gateway:    n/a

New IP address:     19█.███.███.███
New Netmask:        "255.255.255.0"
New Gateway:        1██.███.███.L

Commit network configuration changes? [n/Y]: Y ——— Enter Y to save settings
                                                    (or N to modify settings)
```

10   To configure DNS settings, enter **2**, then enter **Y** to edit. Enter the **Primary DNS** IP address, a **Secondary DNS** IP (optional), and a **DNS Domain**. Review the settings and enter **Y** to save.

```
                    Unitrends Backup
                Initial System Setup Menu

        1.   Configure IP, Netmask and Gateway
        2.   Configure DNS
        3.   Configure IPMI LAN
        4.   Configure DHCP
        5.   Network Test
        6.   Back

        Please enter choice:2 ——— Enter 2
```

```
Current Primary DNS:    n/a
Current Secondary DNS: n/a
Current DNS Domain:     ████████
Edit DNS configuration? [n/Y]: Y ——— Enter Y
```

Release 10.6.4 | June 2022

11 To exit network setup, enter **6**.

12 Proceed to "Step 2: Set up the appliance using the Quick Setup Wizard"

Step 2: Set up the appliance using the Quick Setup Wizard

To start the setup process, you will log in to the appliance UI from any machine on the same network by opening a browser and entering the appliance's IP address followed by */ui/*. The Quick Setup Wizard launches when you access the UI for the first time.

To set up the appliance

1   Open a browser and connect to your appliance by entering: *https://<applianceIP>/ui*. For example: *https://10.10.10.1/ui*.

2   Click **Accept** to accept the license agreement.
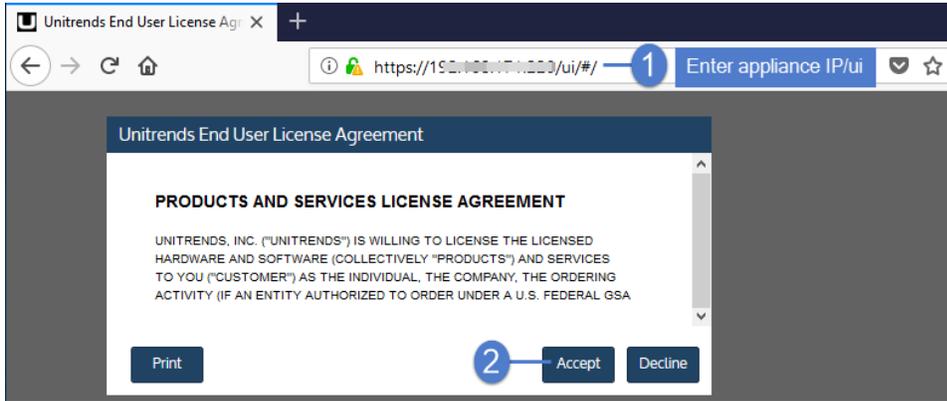
3   Set the appliance date and time by doing one of the following, then click **Next**:

- Select a **Timezone**. If needed, modify the appliance **Date** and **Time**.

OR

- Check the **Use an NTP Server** box to sync to an NTP server. (Optional) Enter your preferred NTP server address.

4   Enter a **Host Name**, a **Domain**, and a new **UI Password** for the appliance. If you configured the network by using DHCP, enter a new **OS Password**. Confirm the password(s) by entering it again in the field to the right. Click **Next**.

> **Notes:**
>
> - The hostname can contain only alphanumeric characters, dashes, and underscores.
>
> - The appliance has a UI root user and an OS root user. These are separate accounts. Changing the password of one root user account does NOT change the password of the other root user account. The UI root user is used to log in to the appliance UI. The OS root user is used to log in to the appliance console or for command line access.
>
> - If you have already set the OS password, these fields are disabled in the Quick Setup Wizard.
>
> - Passwords cannot contain the word *Unitrend* (case insensitive).
>
> - All appliances are deployed with these default UI credentials: user *root*, password *unitrends1*. For appliance security, you must change this password in the Quick Setup Wizard. For increased security, ensure that the UI password you enter is different than the operating system password.
>
> - After you finish the deployment procedures in this guide, you can set up additional UI users for the appliance at any time. For details, see *Users and roles* in the Administrator Guide for Recovery Series, Recovery MAX, ION/ION+, and Unitrends Backup, Appliance settings topic.

5   (Optional) To enable email from the appliance, check **Enable email reporting** and enter the following:

- The fully qualified domain name of the **SMTP server**.

- (If needed) If the SMTP server requires authentication, select **Authentication required** and enter a **Username** and **Password**.

- Click **+ Add Recipients** to add a an email recipient. Enter an email address in the **Recipient** field and select one or more of the **System**, **Jobs**, and **Failures** options to specify which reports the appliance will send to the recipient. Repeat as needed to add more recipients.

6   Click **Finish**.

When the dialog completes, a short tour begins to help you get started.

Additional details

Reference the [Administrator Guide for Recovery Series, Recovery MAX, ION/ION+, and Unitrends Backup](#) on the Unitrends website.

IMPORTANT!	Record the appliance asset tag, which is a 10-11 digit string on the appliance. To see the string, select **?** > **About** in the UI. When you contact support, you may need this information.

Appliance Asset Tag: _____