
Deploy a Barracuda Backup Appliance

<https://campus.barracuda.com/doc/78155547/>

The following steps walk you through the process of deploying a Barracuda Backup appliance. Alternatively, you can download and follow the quick start guide [Barracuda Backup Quick Start Guide](#).

Create a Barracuda Cloud Control Account

Before you can connect your Barracuda Backup appliance to Barracuda Cloud Control, you must first create an account:

1. If you do not have an account, go to <https://login.barracudanetworks.com/> and click **Create a user**.
2. Enter your name, email address, and company name, and specify if this is a partner account. Click **Create User**.
3. Follow the instructions emailed to the entered email address to log in and create your Barracuda Cloud Control account.
4. After submitting your new account information, the **Account** page displays your account name, associated privileges, and username.

Verify Equipment

Verify that you have the necessary equipment:

- Barracuda Backup appliance (check that you have received the correct model) and AC power cable (included)
- Barracuda Backup appliance serial number and linking code (available on both the side of the Barracuda Backup appliance and the Barracuda Backup Quick Start Guide included with the appliance)
- Connectivity and access information for all data sources you want to back up
- VGA Monitor (Models 290-1191)
 - Console cable is needed for the 190 model
- USB Keyboard (recommended)
Optionally, PS2 keyboard input is available on models 290-490
- For Ethernet models, an Ethernet connection is required*
- For LC Fiber models, an LC SFP or SFP+ connection is required*

*Cabling differs based on the appliance model. For more information, refer to [Barracuda Backup Hardware Specifications](#).

Activate the Barracuda Backup Appliance

Barracuda MSP Customers: MSP managed appliances are activated through [MSP App](#). If you need assistance, contact Barracuda MSP.

To activate your appliance:

1. Log in to <https://login.barracuda.com>. If you do not have an account, follow the instructions in the section *Create a Barracuda Cloud Control Account*.
2. Click **Backup** in the left pane, and go to **Admin > Activate Barracuda Backup**.
3. Enter the **Serial Number** and **Linking Code** from the sticker on the back of the Quick Start Guide included with your appliance, and click **Next**.
4. The wizard launches. In the **Your Info** page, enter your contact information, and click **Continue**.
5. In the **Device Info** page, enter a **Device Name** to represent the device in the UI.
6. Select the **Time Zone** where the device will be physically located.
7. Enter the geographical location of the device, select whether to **Automatically update device firmware after activation**, and click **Continue**.

If you select to automatically upgrade the firmware after activation, the device downloads the firmware package, installs it, and automatically reboots. Be advised that this process can take up to 20 minutes to complete and the Barracuda Backup device may be unresponsive. Allow the upgrade to complete before continuing with the configuration. When the unit comes back online, you must log out and then log back in to the user interface to clear any cached pages.

8. Read and accept the **Terms and Conditions**, and click **Done**.
9. Once your device is linked, click **Go to Dashboard**.

Note: If you plan to replicate data to Amazon Web Services, see [Configure an Offsite Replication Destination](#).

Physically Install the Appliance

For detailed rack mounting instructions by model, see [Rack Installation of Barracuda Networks Appliances](#).

1. Fasten the appliance to a 19-inch rack or place in a stable location.

Caution

Do not block the cooling vents located on the front and rear of the appliance.

2. Connect an Ethernet cable from your network switch to the Ethernet port on the back panel of the appliance; connect any additional cables as necessary.
3. Connect the power cord, monitor, and keyboard.
4. Press the **Power** button on the front panel to turn on the appliance.

By default, your appliance is configured to obtain an IP address on your network using DHCP. To specify a static IP, use the console administration interface; see [Barracuda Console](#) for details.

Models 690 and higher come with two network interfaces. One is active and the other is inactive, denoted by a plastic RJ45 connector in the port. The inactive port can be enabled in two ways. One, via NIC bonding which allows users to bond multiple network interfaces into a single channel; note that you must have two separate network connections and this is not to be used for one data pipe. Two, through traffic management. Manage the traffic that goes out of each NIC, that is, replication traffic through the default interface, and backup traffic through the secondary interface. To enable the inactive network interface, contact Barracuda Networks Technical Support: <https://www.barracuda.com/support>

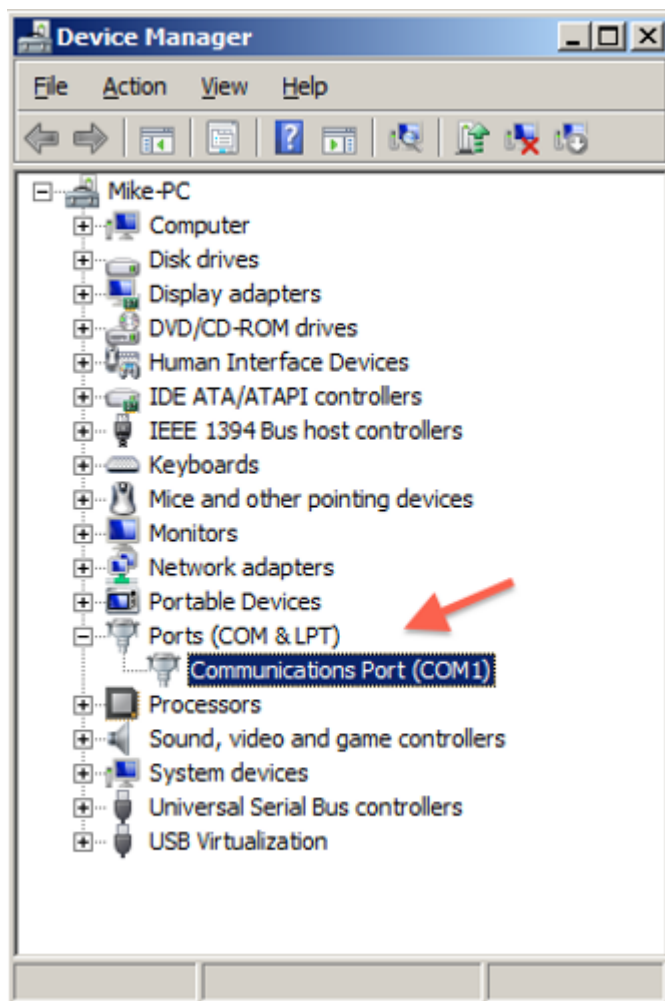
Model 190

Note that the model 190 does not include a VGA port. If you know the IP address assigned to the appliance via DHCP, you can use a web browser to log into the appliance locally and change the IP address settings on the **Device Information** page.

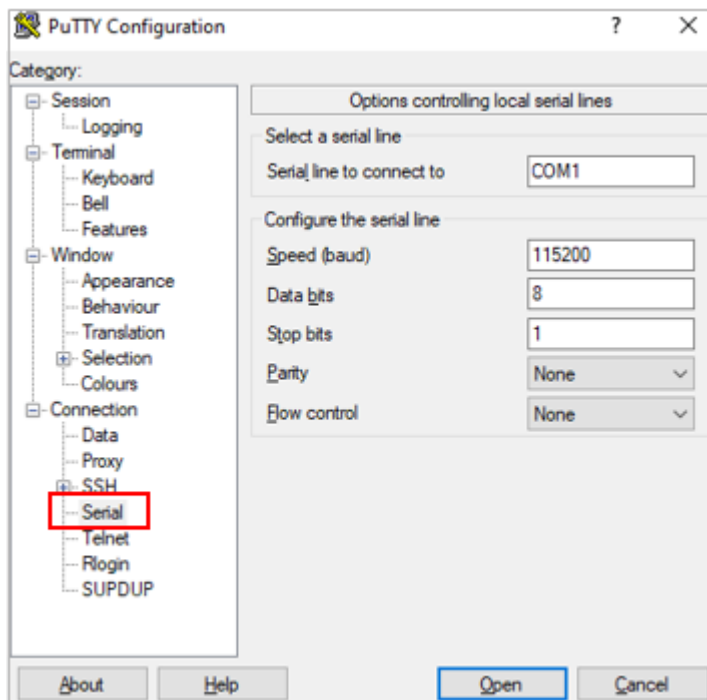
Alternatively, to specify a static IP, use a console cable (USB to RJ45 recommended) and terminal application/emulator to open the console administration interface.

In this example, PuTTY is used as the terminal emulator. Any similar terminal application will work. These set up instructions uses Windows. After installation:

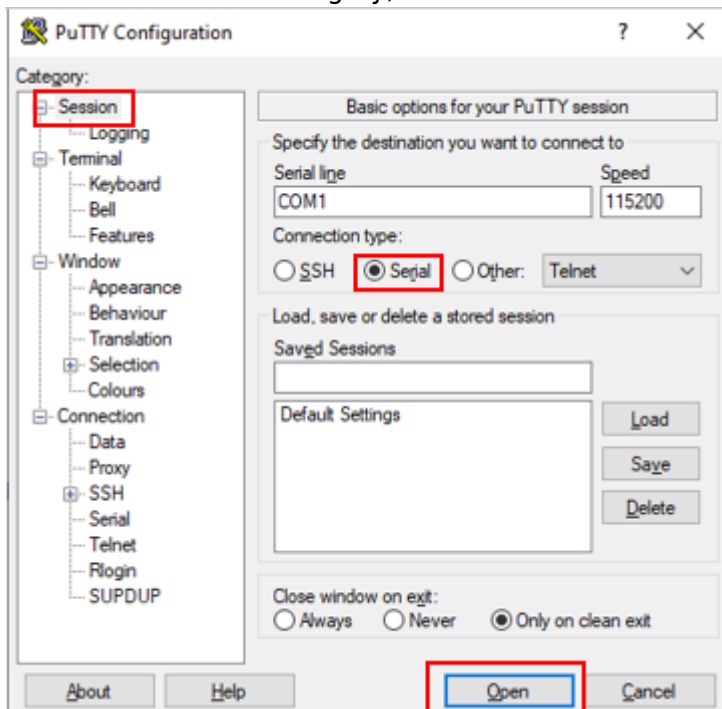
1. Plug in your USB to Serial/RJ45 adapter, and determine its COM port number by opening the Windows Device Manager (a driver must have previously been installed for the adapter).
 1. Go to **Start > Control Panel > Device Manager** or right-click **My Computer**, and select **Properties > Device Manager**.
 2. **Expand Ports (COM & LPT)**.



2. Open PuTTY. Select the **Connection > Serial** category. Ensure the following settings are correct:
- **Serial Line:** COM1
 - **Speed (baud):** 115200
 - **Data bits:** 8
 - **Stop bits:** 1
 - **Parity:** None
 - **Flow control:** None



3. Select the **Session** category, and click the **Serial** radio button for the **Connection type**.



To save this session, enter a name under **Saved Sessions** and click **Save**. This will ensure that you have quick access to your commonly used sessions. Settings are saved within PuTTY so copying the application to a different machine will also copy your saved sessions.

4. Click **Open** to start a new serial session.
5. Once a connection is made, you will be prompted for the username and password:

Username: admin

Password: Appliance serial number (numeric value only)

6. Use keyboard arrows and commands to navigate the Barracuda Backup console interface. For

more on the console interface, see [Barracuda Console](#).

Open Firewall Ports

For maximum security, place your device behind a corporate firewall. See also: [Port Usage](#)

You must configure a valid external DNS to resolve to certain Barracuda infrastructure components requiring DNS entries.

If your Barracuda Backup appliance is located behind a corporate firewall or web filtering service, open the following ports to ensure proper operation:

Port	Direction	TCP	UDP	Usage
22	Out	Yes	Yes	Technical Support Services; see Technical Support and Required Outbound Connections for Barracuda Networks Appliances .
80	Out	Yes	Yes	Communication
443	Out	Yes	Yes	Communication
1194	Out	Yes	Yes	Communication
5120	Out	Yes	Yes	Barracuda Backup Agent
5121-5129*	Out	Yes	Yes	Replicate data to Barracuda Cloud Storage

*Barracuda Backup uses these ports to securely transfer data over the Internet to the offsite storage location. Contact [Barracuda Networks Technical Support](#) to restrict outbound network traffic on these ports to only reach Barracuda Networks.

Depending on your environment, you may need to remove restrictions on additional ports. Contact [Barracuda Networks Technical Support](#) if you need additional direction.

Enter Encryption Key (*Barracuda Encrypted Backup Appliance Only*)

This section only applies to the Barracuda Encrypted Backup appliance models BEBS6090, BEBS8090, BEBS9090, and BEBS10090. If you are not configuring the encrypted appliance, continue with the next set of steps.

1. To access the configuration menu, log into the Barracuda Console and enter **admin** for the username. For the password:
If your appliance serial number is higher than 1 311431, then the default administrator password is the *numeric portion of the serial number*. If your serial number is 1311431 or lower, then the default administrator password is *admin*. For help finding the serial number of your appliance, see [Serial Number for Hardware and Virtual Appliances](#).
 2. Use the arrow keys to highlight **Disk Encryption** in the left pane.
 3. Press **Enter** to switch from read mode to edit mode.
 4. Use the arrow keys to highlight the **Change Encryption Key** section in the right pane.
Use the arrow keys to navigate between the fields in the right pane.
 5. Type a new encryption key that meets the password requirements listed on-screen in the **Enter New Key** and **Confirm New Key** fields.
- Important**

The Barracuda Encrypted Backup appliance ships with a default security key. Once you enter a new encryption key, the key is known only to you; Barracuda cannot retrieve your key.
6. Optionally, type a new power-on password in the **Enter Password** and **Confirm Password** fields.
The power-on password is optional. If you select to use the power-on password, you are prompted to enter the password each time the appliance boots up.
 7. Navigate to **Save**, and press **Enter**. The confirmation screen displays.
 8. Press **Enter** to continue and return to the Barracuda Console.
 9. In the **System Configuration** screen, use the down arrow to navigate to and select **Exit**, and press **Enter**.

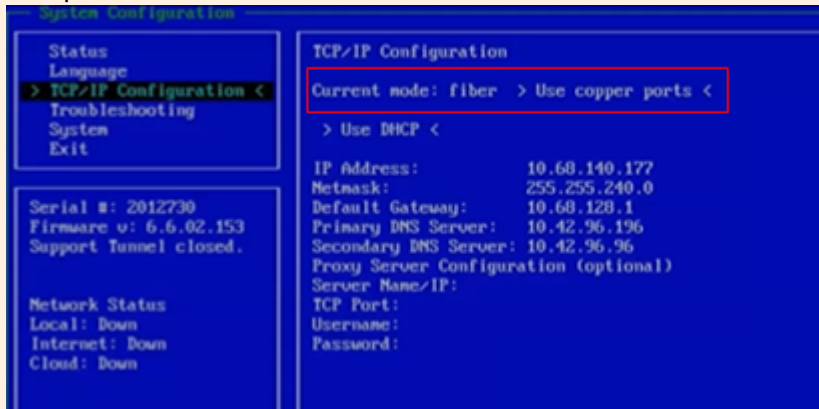
Configure IP Address and Network Settings

By default, the Barracuda Backup appliance is configured to obtain an IP address on your network using DHCP. If you want to assign it a static IP address instead, you can configure it using the console administration interface.

To configure the Barracuda Backup appliance to use a static IP address:

1. Connect a monitor and keyboard to the Barracuda Backup appliance.
2. Use your **Arrow** keys to highlight the **TCP/IP Configuration** field.
3. Press **Enter** to access the right pane.
Do not select **Use DHCP** in the right pane before saving. Doing so fetches and immediately applies the network settings via DHCP.
For appliance models that contain both the 10GB and fiber (SFP+) interfaces, including models 791, 891, 895b, 991, 995b, 1091, and 1191, choose the interface to use by using the arrow keys to select **fiber** or **copper**. The default or currently implemented interface

is reported as the **Current mode**. To switch the interface, reboot the appliance.



4. Use the arrow keys to select and enter the **IP Address**, and then press **Enter** to move to the next option.
5. Enter the remaining settings as appropriate for your network.
6. Use the arrow keys to navigate to **Save**, and press **Enter**.

In the **Network Status** section, **Local** and **Internet** should display as **Up** while **Cloud** displays as **DOWN** until the appliance is linked to an account later in the installation process.

For additional information, refer to the article [Barracuda Console](#).

Verify Connection to Barracuda Networks

Once you log in to the web interface, the Barracuda Backup appliance you have just installed, powered on, and linked, should be listed in the left pane with a green indicator (✓) to the left of its name. The **Dashboard** page displays a green light next to the appliance name indicating it is successfully linked to your account. If the indicator light is not green, verify network settings and appliance connectivity, or contact [Barracuda Networks Technical Support](#) for additional direction.

Secure Barracuda Encrypted Backup Access (*Barracuda Encrypted Backup Appliance Only*)

The Barracuda Encrypted Backup appliances are no longer available. Encryption of data at rest has been added as a standard feature to all Barracuda Backup appliances (Models 190-1191). For more information, see [Data Encryption on Barracuda Backup Appliances](#).

Customers with a Barracuda Encrypted Backup appliance (Models 6090, 8090, 9090, 10090) will continue to be supported. If the Barracuda Encrypted Backup appliance fails, and you have an active Instant Replacement subscription, your replacement appliance will be equivalent to your

current model and capacity.

Use the **Admin > Users** page to assign user roles and set IP login restrictions. Assign the **Account Administrator** role only to users who must have full access to all appliances on the account. For an additional level of security when logging in to Barracuda Cloud Control, you can set up multi-factor authentication.

Enter Server Name and Location

In the **System > Barracuda Backup Appliance Settings** page, enter a name for your Barracuda Backup appliance, the associated time zone, and server location.

Define Display Groups

If you have multiple Barracuda Backup appliances, you can manage them through display groups:

1. Log in to Barracuda Backup, and go to the **Admin > Display Groups** page.
2. All display groups active on your account display in the **Current Display Groups** section.
3. To add a new display group, enter a name for the group of devices, and then click **Add**. For example, if you want to group all Barracuda Backup Servers by location, you might create groups by geographic location: Engineering - Asia, Engineering - US, Engineering - Europe.
4. The display group name appears in the **Current Display Groups** section.
5. To remove a display group, click **Remove** to the right of the group name you want to remove; click **OK** to remove the group.

If you delete a display group that contains devices, those devices are moved to the default group.

Add a Barracuda Backup Appliance to a Group

Once you create display groups, you can add a Barracuda Backup appliance to the group using the following steps:

1. In the left pane, select the desired Barracuda Backup, and go to the **System > Barracuda Backup Appliance Settings** page.
2. In the **Backup Appliance Display Group** section, select the desired display group name from the **Current Display Group** drop-down menu.
3. To add or remove display groups, click **Manage your display groups**; the **Admin > Display**

Groups page displays.

4. Click **Save**.

Figures

1. bbs_deviceMgr.png
2. putty_connection.png
3. saveSession.png
4. currentMode.png
5. status_success.png

© Barracuda Networks Inc., 2024 The information contained within this document is confidential and proprietary to Barracuda Networks Inc. No portion of this document may be copied, distributed, publicized or used for other than internal documentary purposes without the written consent of an official representative of Barracuda Networks Inc. All specifications are subject to change without notice. Barracuda Networks Inc. assumes no responsibility for any inaccuracies in this document. Barracuda Networks Inc. reserves the right to change, modify, transfer, or otherwise revise this publication without notice.