

Rate Limit Page

<https://campus.barracuda.com/doc/17105494/>

Bandwidth Recommendations

For every terabyte of data replicated, Barracuda Networks recommends a minimum of 1.5 Mbps or T-1 connection.

Rate limits control the data replication rate to Barracuda Cloud Storage or other offsite storage locations. You can limit Internet bandwidth consumption during peak usage times, and schedule backups for non-peak hours.

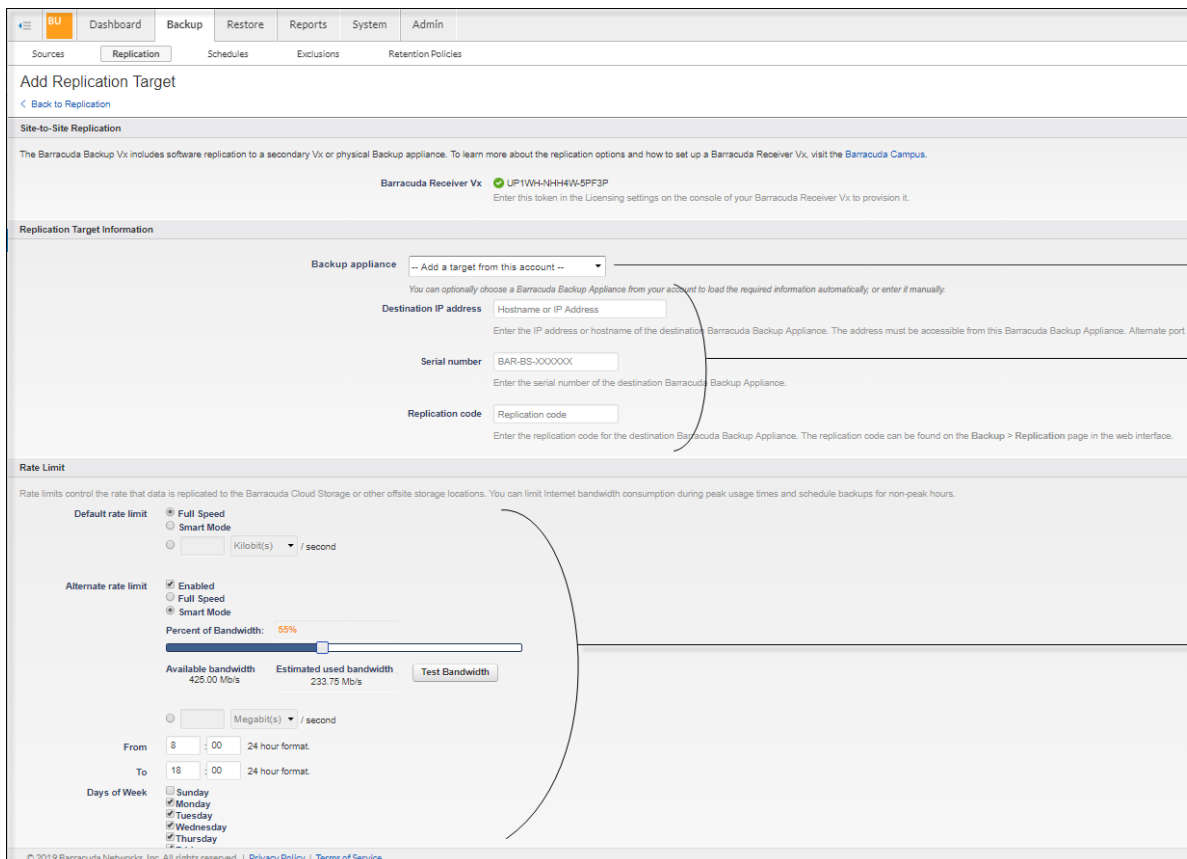
Your initial offsite backup may take on the order of days to complete but all of the data is backed up locally on the Barracuda Backup Server during this period. After the initial large transfer is complete, replicating your data offsite should complete with only a few hours of transfer each day. By default, Barracuda Backup is configured to run at full speed around the clock, unless you set a rate limit allowing it to only run full speed at night and an alternate, lower speed during the day.

The length of transfer time it will take to get your data offsite is impacted by the compression and deduplication rates on your data, the uplink speed of your Internet connection, the amount of data that changes every day, and any speed limits you apply to Barracuda Backup.

Define rate limits on Barracuda Backup replication targets. Barracuda Backup uses **Full Speed** as the default rate limit. To customize the rate limit on a target system:

1. Go to **Backup > Replication**, and click **Configure replication to another backup device**.
2. In the **Add Replication Target** page, in the **Replication Target Information** section, you can automatically or manually add a target.
3. To automatically add the replication target:
 - From the **Backup appliance** drop-down menu, select an appliance on your account to automatically load the required information.
4. To manually add the replication target:
 - **Destination IP address** – Enter the hostname or IP address of the destination appliance; this must be accessible from the sending appliance. Additionally, you can specify an alternate port number, for example, 192.168.1.2:5001.
 - **Serial number** – Enter the serial number of the destination appliance.
 - **Replication code** – Enter the replication code for the destination appliance. The code is available on the **Backup > Replication** page.
5. In the **Rate Limit** section, select the rate that data is replicated to Barracuda Cloud Storage or other offsite storage locations. Specify the **Default rate limit**:
 - **Full Speed** – Uses 100% of available bandwidth
 - **Smart Mode** – Drag the **Percent of Bandwidth** bar to specify the rate limit; click **Test bandwidth** to verify your setting

- **Kilobit(s)/second, Megabit(s)/second, or gigabits/second** – Specify the rate limit per second
6. You can create an alternate rate limit which is maintained only during the specified time periods. To do so, click **Enabled** for **Alternate rate limit**, and then specify your settings:
- **Full Speed** – Uses 100% of available bandwidth
 - **Smart Mode** – Drag the **Percent of Bandwidth** bar to specify the rate limit; click **Test bandwidth** to verify your setting
 - Select the rate limit per second as **Kilobit(s)/second, Megabit(s)/second, or gigabits/second**
 - **From/To** – Specify the start and end time in 24 hour format
 - **Days of Week** – Select the days on which the alternate rate limit applies
7. Click **Save** to add the replication target.



Site-to-Site Replication

The Barracuda Backup Vx includes software replication to a secondary Vx or physical Backup appliance. To learn more about the replication options and how to set up a Barracuda Receiver Vx, visit the [Barracuda Campus](#).

Barracuda Receiver Vx ● UP1WH-NH4W-5PF3P
 Enter this token in the Licensing settings on the console of your Barracuda Receiver Vx to provision it.

Replication Target Information

Backup appliance -- Add a target from this account --

You can optionally choose a Barracuda Backup Appliance from your account to load the required information automatically, or enter it manually.

Destination IP address Hostname or IP Address
Enter the IP address or hostname of the destination Barracuda Backup Appliance. The address must be accessible from this Barracuda Backup Appliance. Alternate port n

Serial number BAR-BS-XXXXXX
Enter the serial number of the destination Barracuda Backup Appliance.

Replication code Replication code
Enter the replication code for the destination Barracuda Backup Appliance. The replication code can be found on the Backup > Replication page in the web interface.

Rate Limit

Rate limits control the rate that data is replicated to the Barracuda Cloud Storage or other offsite storage locations. You can limit Internet bandwidth consumption during peak usage times and schedule backups for non-peak hours.

Default rate limit

☒ Full Speed
☐ Smart Mode
 Kilobit(s) / second

Alternate rate limit

☒ Enabled
☐ Full Speed
☒ Smart Mode

Percent of Bandwidth: 55%

Available bandwidth: 425.00 Mo/s
Estimated used bandwidth: 233.75 Mo/s
Test Bandwidth

Megabit(s) / second

From 8 : 00 24 hour format.
To 18 : 00 24 hour format.

Days of Week

☐ Sunday
☒ Monday
☒ Tuesday
☒ Wednesday
☒ Thursday

Figures

1. Rate_Limit.png

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