Understanding Why Data is not Replicating to an Offsite Barracuda Backup Location

https://campus.barracuda.com/doc/22119528/

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

The Barracuda Backup default rate limit controls the rate of data replicated to offsite storage locations throughout the day; preserving Internet bandwidth during peak usage and optimizing offsite backup transfers during daily non-peak hours. You can further refine the rate limit by enabling an alternate rate limit and specifying a specific time period to which it applies.

However, if a large backup is scheduled during the alternate rate limit time interval, replication to the offsite location may not complete within the specified time period. In this case, the yellow status indicator (⚠️) icon displays to the right of **Replication** in the **System Health** section on the **Dashboard** page indicating there is a problem with the offsite syncing queue.

Resolve Data Replication Issue

To resolve this issue, you can:

- Increase the rate limit
- Reduce the amount of replicated data
- Decrease the backup schedule frequency

Increase Rate Limit

Use the following steps to increase the rate limit to ensure data replication finishes within the specified timeframe:

1. Log in to Barracuda Backup, and go to the **Backup > Replication** page.
2. Click the **Settings** (⚙️) icon for the target.
3. Scroll to the **Rate Limit** section.
4. Select **Enabled** to the right of **Alternate Rate Limit**.
5. 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

- Specify the rate limit in **Kilobit(s)**, **Megabit(s)**, or **Gigabit(s)** per second
- **From/To** – Specify the start and end time (24 hour format)
- **Days of Week** – Select the days on which the alternate rate limit applies
6. Click **Save** at the top of the page to save your changes.

Reduce Amount of Data for Replication

Use the following steps to select less data for replication:

1. Log in to Barracuda Backup, and go to **Backup > Schedules**.
2. Click **Edit** to the right of the schedule associated with the backup.
3. The **Edit Backup Schedule** page displays. In the **Items to Back Up** section, review the selected items. Determine if there are items that do not need backup, and clear those items.
4. Click **Save** at the top of the page to save your changes.

Decrease Backup Schedule Frequency

1. Log in to Barracuda Backup, and go to **Backup > Schedules**.
2. Click **Edit** to the right of the schedule associated with the backup.
3. In the **Edit Backup Schedule** page, if **Repeat** is selected in the **Daily Backup Timeline** section, reduce the minute or hour frequency.
4. Click **Save** at the top of the page to save your changes.

View Offsite Transfer Statistics

To view transfer details, log in to Barracuda Backup, and go to **Backup > Replication**. The following queue details display:

- **Status** – Displays whether replication target is online and reporting successfully (✅), or offline (❗)
- **Total Stored** – Total size of file parts transferred offsite from the Barracuda Backup appliance
- **Queue Age** – Amount of time that the queued data has been waiting to be transferred to the target
- **Queue Size** – Total size of the file parts yet to be transferred to the target

Barracuda Backup

HQ Backup (CAM): Replication Device Info

ADD A TARGET

Sending Data To

Target List		Status	Total Stored	Queue Age	Queue Size	Settings
	Receiver Vx (ATL) / Barracuda Backup Receiver Vx Destination IP Address: 10.143.240.14 Bandwidth Rate Limit: Default Full Speed, Alternate 50 Mb/s 8:00am - 5:00pm Weekdays	✅	1.3 TB	-	0 bytes	⚙
	Barracuda Cloud Bandwidth Rate Limit: Default Full Speed	✅	1.3 TB	-	0 bytes	⚙

Figures

1. statusWarning.png
2. SettingsIcon16x16.png
3. ReplicationOnline.png
4. ReplicationOffline.png
5. replication_send_update.png