Barracuda Backup Service
Data Protection and Security
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Overview
This document describes product security measures and data storage policies that are specific to the Barracuda Backup product.

1. Product Security

1.1 Barracuda Backup Appliance (Hardware and Virtual) Security
Barracuda Backup appliances are typically deployed as cloud-connected appliances, enabling customers to remotely manage their Barracuda Backup appliances from a web browser without requiring a physical connection to the appliance.

The Barracuda Backup Server is typically deployed behind the customer’s corporate firewall and is protected by the same security that the customer uses to protect primary data sources. Communication between the appliance and Barracuda Cloud utilizes a 256bit encrypted VPN tunnel for administration and backup configuration, and a "lifeline" status check that runs over https port 443, which provides details of the server status in the event the tunnel is down.

There are several ways the Barracuda Backup Server can be accessed locally:

- The local web interface provides access for basic system maintenance, and as of BBS v5.0 also provides Restore and Reporting functionality.
- A monitor and keyboard provide access to the terminal configuration for network setup and troubleshooting. Command-line access to the unit is disabled locally.

The Barracuda Backup Server runs on a hardened Linux kernel. In the event that a security flaw is discovered, updates are pushed out to cloud-connected Backup Servers in a security definition administered by Barracuda.

2. Access Control, Data Transmission and Data Storage Data Center Location

2.1 Barracuda Backup Access Controls
Barracuda Backup provides the following features to give customers additional flexibility to limit access to their Barracuda Backup appliance and account when operating in cloud-connected mode:

- IP login restrictions can be set for each user who has access to the Barracuda Backup account. Those restrictions prevent access to the hosted web user interface from an IP address outside the range specified.
- By request, Barracuda can enable an advanced option in the web user interface which gives customers the ability to grant or deny Technical Support remote access to a backup server. This will prevent access to both the command line and to the user interface. This tool does not lock out the Barracuda Cloud engineering team.
2.2 Data Transmission and Storage
In order to perform deduplication, Barracuda Backup breaks files down into parts that are variable in size and fingerprints those parts for analysis and comparison. Before transmission to the Barracuda Cloud or a secondary Barracuda Backup appliance, those parts are AES 256-bit symmetrically encrypted and AES keys are securely transmitted. These parts are written into storage at the Barracuda Cloud or a secondary Barracuda Backup appliance in an encrypted state and remain encrypted until requested for restore. When replication is active, the process of replicating data begins immediately after data is written to disk on a Barracuda Backup appliance and runs continuously.

3. Data Center Location

3.1 Data Locations
Barracuda maintains a network of cloud-scale datacenters by geographic location around the globe and requires that each meets defined security requirements. The cloud infrastructure for Barracuda Backup is deployed in the following geographical regions: Customer data is stored in the respective region where the customer is located. Any transfer of customer data outside the regions will be done in compliance with the GDPR and applicable local privacy laws. Barracuda’s Privacy Policy and Privacy Shield certification are located at: https://www.barracuda.com/company/legal/privacy.

- **United States of America**: infrastructure deploys in this region stores data for all customers in the United States, as well as any region not specifically configured to send data to an available local location.
- **United Kingdom**: stores data for all customers in the United Kingdom, Europe, Middle East and Africa.
- **Canada**: stores data for all customers in Canada
- **Germany**: stores data for all customers in Germany, Austria, Belgium, Netherlands, and Luxembourg.
- **Australia**: stores data for all customers in Australia.
- **Japan**: stores data for all customers in Japan.