

Moving from Barracuda Email Security Gateway to Barracuda Email Security Service

<https://campus.barracuda.com/doc/84313093/>

This article describes what to expect when moving from Barracuda Email Security Gateway to Barracuda Email Security Service.

There are two options for moving:

- Converting from Barracuda Email Security Gateway data to Barracuda Email Security Service data.
- Migrating all of your existing settings – including settings, domains, and users – from Barracuda Email Security Gateway to Barracuda Email Security Service

Option 1: Converting Data

Before Conversion

Before you can begin the conversion process, you must complete the following steps.

1. Create a Barracuda Essentials Account

You must have a Barracuda Essentials account.

1. Create an account in Barracuda Cloud Control, as described in [Create a Barracuda Cloud Control Account](#).
2. Start a [free trial](#) of Barracuda Essentials, as described in the *Step 1. Set Up Essentials* section of [Set Up Essentials for Office 365](#).

Note that you must purchase a license for Barracuda Essentials before the 14-day trial period expires.

2. Add Domains and Test Connectivity

1. Add and verify your domains as described in the *Step 2. Configure Connectors and Permissions* section of [Set Up Essentials for Office 365](#).
2. Test domain connectivity by sending a test email. Repeat this sequence for each domain.
 1. In Barracuda Cloud Control, select Email Security in the left panel.
 2. Navigate to the **Domains** page. For the appropriate Domain Name, go to **Settings > Edit**. At the top of the **Domain Settings** page, under **Mail Server**, click **Test**.
 3. Enter an email address and click **Send**. The system sends a message to the email address you specify, with the return address *Barracuda Email Test*.

3. Open IP Ports to Receive Email

Open IP ports on your firewall, based on your region, as described in [Barracuda Email Security Service IP Ranges](#).

4. Open Ports for LDAP Synchronization

Open your firewall ports to allow the IP address ranges for LDAP connectivity based on your Barracuda Email Security Service instance, as described in [Barracuda Email Security Service IP Ranges](#).

The Conversion Process

Converting data from Barracuda Email Security Gateway to Barracuda Email Security Service requires the following steps:

1. Convert and Import Configurations
2. Copy Users into Barracuda Email Security Service
3. Change MX Records to point to Barracuda Email Security Service

1. Convert and Import Configurations

For this step, you can convert your configurations manually or you can choose to use Barracuda Networks' [conversion tool](#). For instructions on using the conversion tool, refer to [Conversion Tool for Migrating to Barracuda Email Security Service](#).

This article contains all of the required steps for complete migration from Barracuda Email Security Gateway to Barracuda Email Security Service. If you choose to use the conversion tool, you must still perform all of the other steps described in this article.

Configurations to Import

The following table lists configurations in Barracuda Email Security Gateway that you must convert to a format compatible with Barracuda Email Security Service.

Email Security Gateway	Email Security Service
Block/Accept > IP filters	Inbound Settings > IP Address Policies

Allowed IP/Range	IP Blocking / Exemption
Blocked IP/Range	IP Blocking / Exemption (Tagging is not an option)
Block/Accept > Recipient Filters	Inbound Settings > Recipient Policies
Allowed Recipients	Recipient Policies
Blocked Recipients	Recipient Policies (Tagging is not an option)
Encrypted Sender Addresses and Domains (Outbound Only)	-
Redirected Sender Addresses and Domains (Outbound Only)	-
Block/Accept > Sender Filters	Inbound Settings > Sender Policies
Allowed Senders	Sender Policies
Blocked Senders	Sender Policies (Tagging is not an option)
Encrypted Sender Addresses and Domains (Outbound Only)	-
Redirected Sender Addresses and Domains (Outbound Only)	-
Block/Accept > Content Filtering	Inbound Settings > Content Policies
Content Filters	Message Content Filter (Subject, Header, Body)
Attachment Content Filters	Message Content Filter (Attachments)
Predefined Filters	Predefined Filters
Block/Accept > Content Filtering	Outbound Settings > Content Policies
Content Filters	Message Content Filter (Subject, Header, Body)
Attachment Content Filters	Message Content Filter (Attachments)
Predefined Filters	Predefined Filters
Block/Accept > Attachment Filters	Inbound Settings > Content Policies
Attachment Filename Filters	Attachment Filter
Attachment File Type Filters	-
Attachment MIME Type Filters	Attachment Filter
Password Protected Archive Filtering	Attachment Filter
Block/Accept > Attachment Filters	Outbound Settings > Content Policies
Attachment Filename Filters	Attachment Filter
Attachment File Type Filters	-
Attachment MIME Type Filters	Attachment Filter
Password Protected Archive Filtering	Attachment Filter

If you are using multi-factor authentication (MFA), you must configure user authentication with Azure AD.

2. Copy Users into Barracuda Email Security Service

Use this section to set up directory services for one or more of your domains. You can use either Azure AD or LDAP directory services to enable single sign on (SSO) and synchronization of users lists.

- **LDAP** – Configure LDAP authentication through your organization's LDAP servers. Refer to [How to Configure User Authentication Using LDAP](#) for details.
- **Azure AD** – Configure user authentication through your organization's Azure AD service. Refer to [How to Configure User Authentication with Azure AD](#) for step-by-step instructions.

3. Change Your MX Records to point to Barracuda Email Security Service

Update your MX records to point to Barracuda Email Security Service, as described in [How to Set Up MX Records for Domain Verification](#).

After Conversion

After you complete the conversion process, perform the following steps:

1. Verify Email Flow

Send a test email to each of your domains to verify that you configured your account and migrated your settings correctly.

In the Barracuda Email Security Service, navigate to **Overview > Message Log** to ensure that you can see the messages.

2. (Optional) Configure Outbound Email for Barracuda Email Security Service

Optionally follow *Step 7. Configure Outbound Mail* in [Configure Office 365 for Inbound and Outbound Mail](#).

Caveats

- Message Log data will not be transferred to Barracuda Email Security Service.
- Per user settings must be added separately.
- Domain-specific settings are not transferred automatically.
- Sender and Recipient Encryption exemptions will NOT be transferred to Barracuda Email Security Service.
- End users must log into a different URL to access quarantined email.

- If you have an existing Cloud Protection Layer or Barracuda Essentials account into which you are migrating data, all of the existing data in that account will be replaced by the data from your Barracuda Email Security Gateway device.
- Inbound and outbound rate control limits can be customized in Barracuda Email Security Gateway, but not in Barracuda Email Security Service. Refer to the following articles for details:
 - [Inbound Rate Control](#)
 - [Outbound Rate Control](#)

Important

- When importing configurations, copy your settings to the *global account* level, and *not* to the *domain* level.
- You must manually add configurations that are not moved by the conversion tool.
- Ensure that you have migrated all the settings and configurations needed.

Option 2: Migrating All Settings, Domains, and Users

In this option, contact [Barracuda Networks Support](#) for assistance with migrating all of your Barracuda Email Security Gateway settings, domains, and users to Barracuda Email Security Service.

Important

- If you are migrating to an *existing* Barracuda Cloud Protection Layer or Barracuda Email Security Service account, note that all of the data in that account will be replaced by the data from your Barracuda Email Security Gateway account.
- Domains added to Barracuda Email Security Service during a migration are unverified. (See more on this below.)
- If you were using Barracuda Cloud Protection Layer or Barracuda Email Security Service prior to the migration, your email will stop working after the migration is complete. To ensure that your mail does not stop, *before you start the migration*, change your MX records to point directly to either your Barracuda Email Security Gateway or to your mail server. *After the migration is complete and you have verified your domain*, you can then point your MX records to the new Barracuda Email Security Service MX record, found for your domain(s) in Barracuda Email Security Service.
- Before beginning migration, make a backup of your account configuration. This will back up your current account level settings, in case you want to go back to them. It will not back up the domain level settings or your users and their settings.

After migration is completed, check the Barracuda Email Security Service service settings to ensure that the migrated information is correct.

Note that Message Log data will not be transferred to Barracuda Email Security Service.

Note again that domains moved through migration are not verified. Verifying each domain individually:

- Proves that you are authorized to manage mail in that domain.
- Allows you to activate each domain at your own pace.
- Does not allow Barracuda Email Security Service to start processing mail for a domain before it is ready.
- Enables you to correct the Destination Mail Server in Barracuda Email Security Service for each domain.

The last step of the migration process is to change your MX records for each domain to point to Barracuda Email Security Service. It is important that the MX record you use is the correct one for each domain. Each domain has its own unique MX record. Note that MX records must all point to Barracuda Email Security Service. Any MX records pointing elsewhere will compromise the protection from spam and attacks provided by Barracuda Email Security Service.

Review the [Barracuda Email Security Service articles in Barracuda Campus](#) to ensure you have no problems with your migration.

If you have any questions on moving from Barracuda Email Security Guardian to Barracuda Email Security Service, contact [Barracuda Networks Support](#).

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