

How to Configure G Suite for Inbound and Outbound Mail

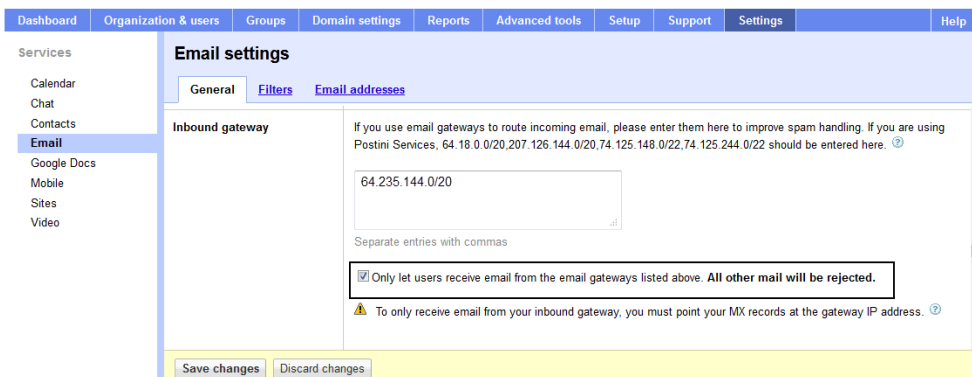
<https://campus.barracuda.com/doc/3866650/>

This article addresses configuring G Suite Business and Education editions with the Barracuda Email Security Gateway as your inbound and/or outbound mail gateway.

Inbound Configuration

1. Log into the G Suite Domain Management Portal.
2. Navigate to the **Settings** tab and then select *Email* under the **Services** section.
3. Navigate to **Inbound Gateway** and enter the public IP addresses of the Barracuda Spam Email Security Gateway(s), specifying either the block of addresses or individual IP addresses.

Figure 1: G Suite - Inbound Gateway Settings



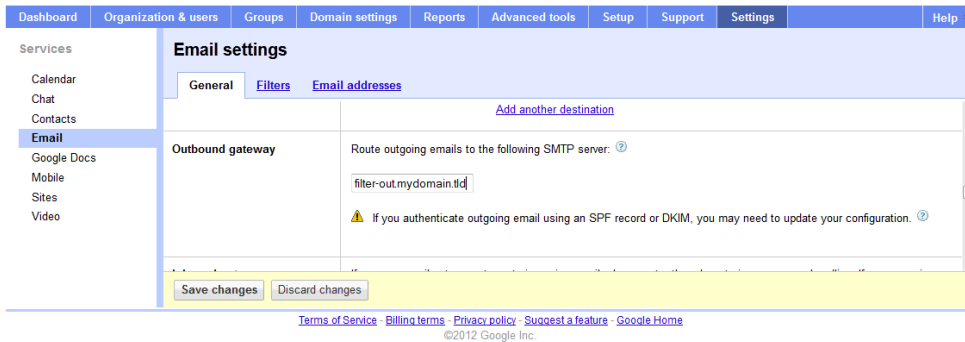
The screenshot shows the G Suite Admin console interface for configuring email settings. The top navigation bar includes Dashboard, Organization & users, Groups, Domain settings, Reports, Advanced tools, Setup, Support, Settings, and Help. The left sidebar lists Services: Calendar, Chat, Contacts, Email (selected), Google Docs, Mobile, Sites, and Video. The main content area is titled 'Email settings' and has three tabs: General, Filters, and Email addresses. The 'Email addresses' tab is active, showing the 'Inbound gateway' section. A text input field contains '64.235.144.0/20'. Below the field is a note: 'If you use email gateways to route incoming email, please enter them here to improve spam handling. If you are using Postini Services, 64.18.0.0/20, 207.126.144.0/20, 74.125.148.0/22, 74.125.244.0/22 should be entered here.' Below the input field is a checkbox labeled 'Only let users receive email from the email gateways listed above. All other mail will be rejected.' which is checked. A warning icon and text below the checkbox state: 'To only receive email from your inbound gateway, you must point your MX records at the gateway IP address.' At the bottom of the form are 'Save changes' and 'Discard changes' buttons.

Make sure to check the box: **Only let users receive email from the email gateways listed above. All other mail will be rejected.** More info on inbound gateways can be found [here](#).

Outbound Configuration

1. Navigate to the **Settings** tab and then select *Email* under the **Services** section.
2. Navigate to **Outbound Gateway** and enter the IP address of the Barracuda Email Security Gateway that is the outbound mail gateway.

Figure 2: G Suite - Outbound Gateway Settings



More information about outbound gateways can be found [here](#).

G Suite IP Addresses can change so please refer to this [Google documentation](#).

Additional settings:

- nslookup -q=TXT _netblocks.google.com 8.8.8.8
- server: google-public-dns-a.google.com
- address: 8.8.8.8
- Non-authoritative answer:

```
_netblocks.google.com text = "v=spf1 ip4:216.239.32.0/19ip4:64.233.160.0/19ip4:66.249.80.0/20
```

```
ip4:72.14.192.0/18ip4:209.85.128.0/17ip4:66.102.0.0/20ip4:74.125.0.0/16
ip4:64.18.0.0/20ip4:207.126.144.0/20ip4:173.194.0.0/16 ?all"
```

Configuring the Barracuda Email Security Gateway

1. Navigate to **DOMAINS > Domain Manager** and specify your domain in **New Domain Name**, then click **Add Domain**.
2. Click the Manage Domain link and then **BASIC > IP Configuration**. Add the G Suite destination mail servers as follows:

Priority	Value/Answer/Destination
1	ASPMX.L.GOOGLE.COM
5	ALT1.ASPMX.L.GOOGLE.COM
5	ALT2.ASPMX.L.GOOGLE.COM
10	ALT3.ASPMX.L.GOOGLE.COM
10	ALT4.ASPMX.L.GOOGLE.COM

Also add the **Destination Server** name/IP address or hostname that receives email after spam and virus scans. It is usually best to use a hostname rather than an IP address so that the destination mail server can be moved and DNS updated at any time without having to make changes to the Barracuda Email Security Gateway configuration.

If you set **Use MX Records** (on the same page) to Yes, you must enter a domain name for this field. If multiple servers are specified, then the delimiter used determines the behavior (see below). Note that you can either configure **Use MX Records** for *all* domains from the **BASIC > IP Configuration** page, or you can configure it per-domain from **DOMAINS > Domain Manager > Manage Domains**, then using the **BASIC > IP Configuration** page for the domain you choose to manage. It is *NOT* recommended to set **Use MX Records** to Yes to avoid a potential mail loop.

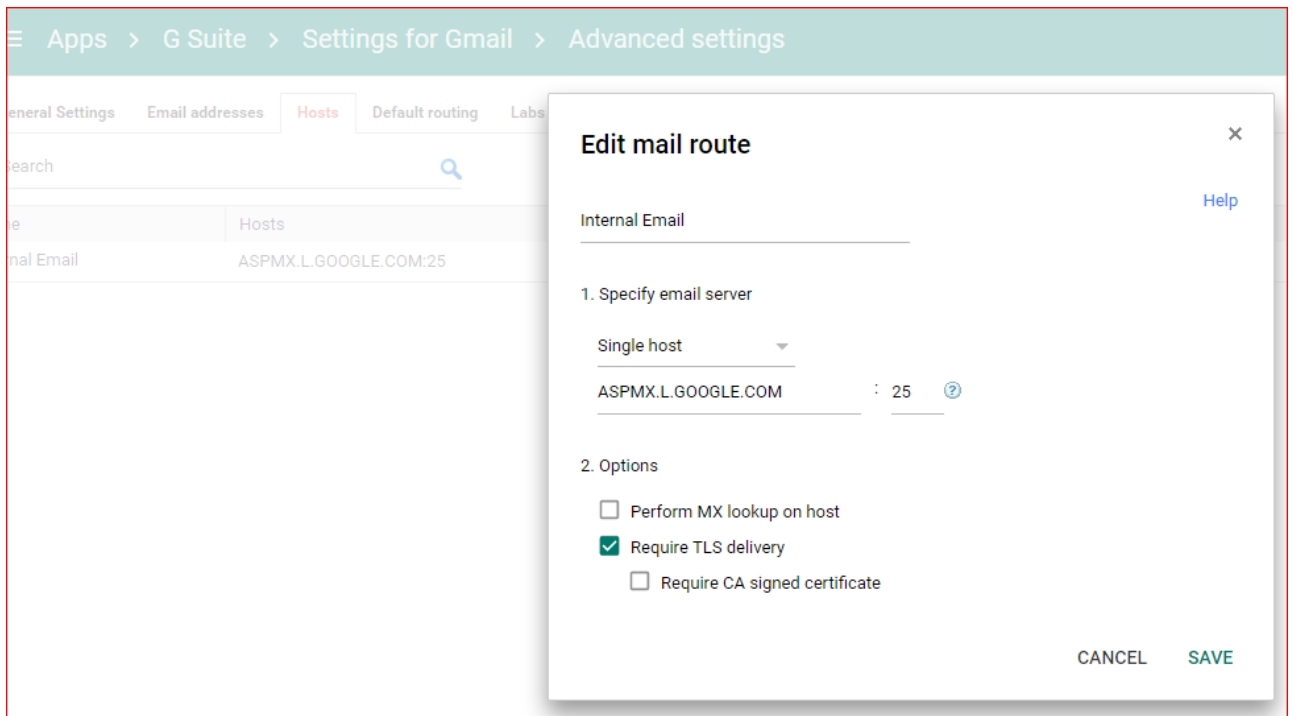
1. **Comma** (",") or semi-colon (";") - Each entry in the list will be used in round-robin fashion, with relative weights determined by the number of times a particular entry is listed.
2. **Space** (" ") - Each entry in the list will be treated as a failover list, with an entry being used only if all entries preceding it in the list are unreachable.

For more information about what it means to use MX records, please see [Using MX Records](#).

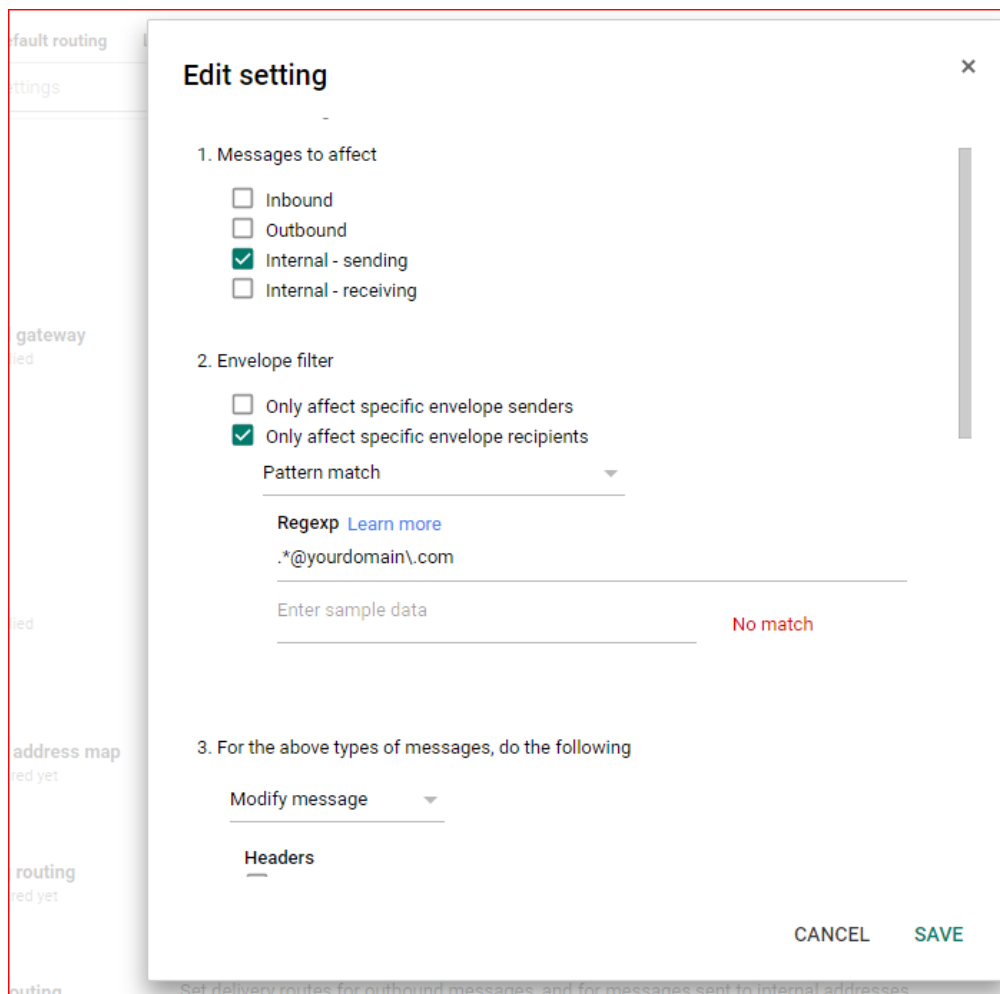
How to Configure G Suite to Bypass the Barracuda Email Security Gateway for Internal Mail

In the G Suite Admin console:

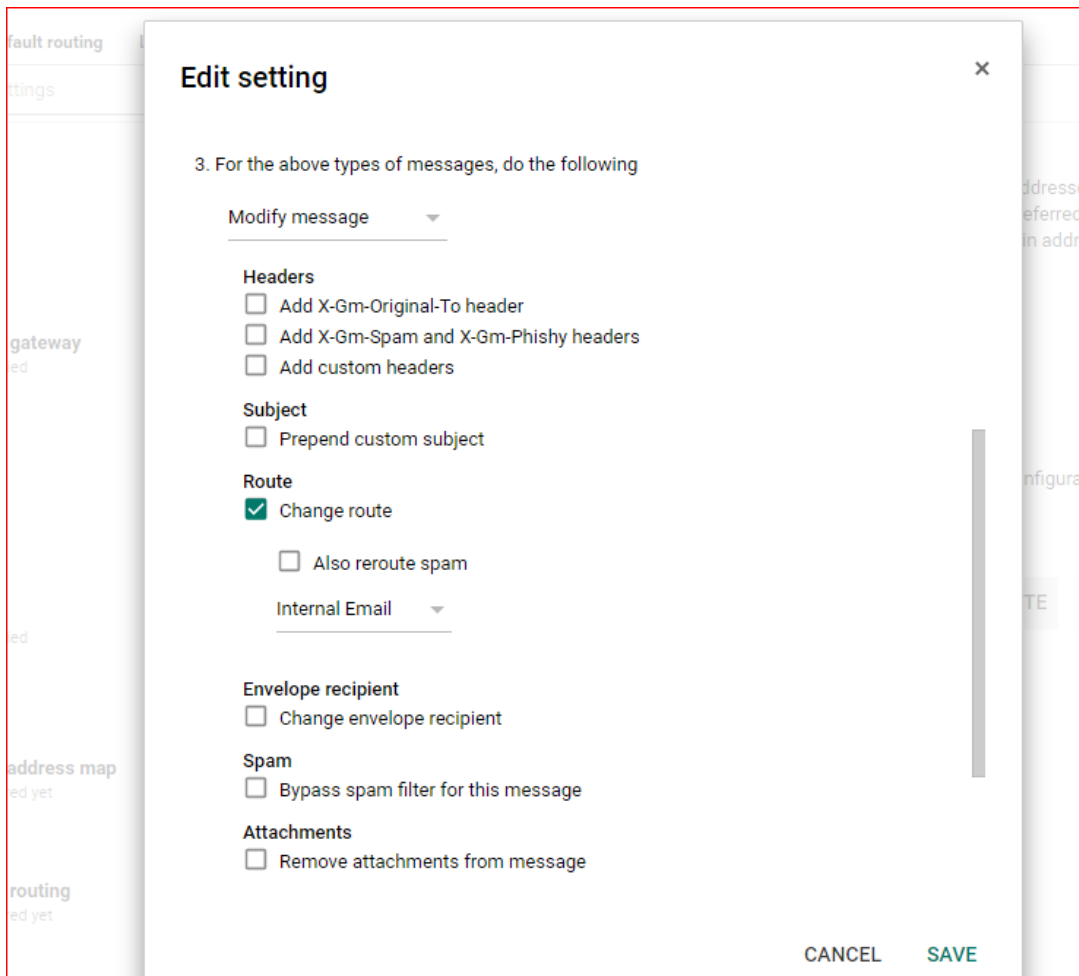
1. Click on **Apps-> Gsuite-> Gmail-> Advanced Settings**.
2. Click on the **Hosts** tab. Under **Edit mail route**, add the host for internal email as shown below and save.



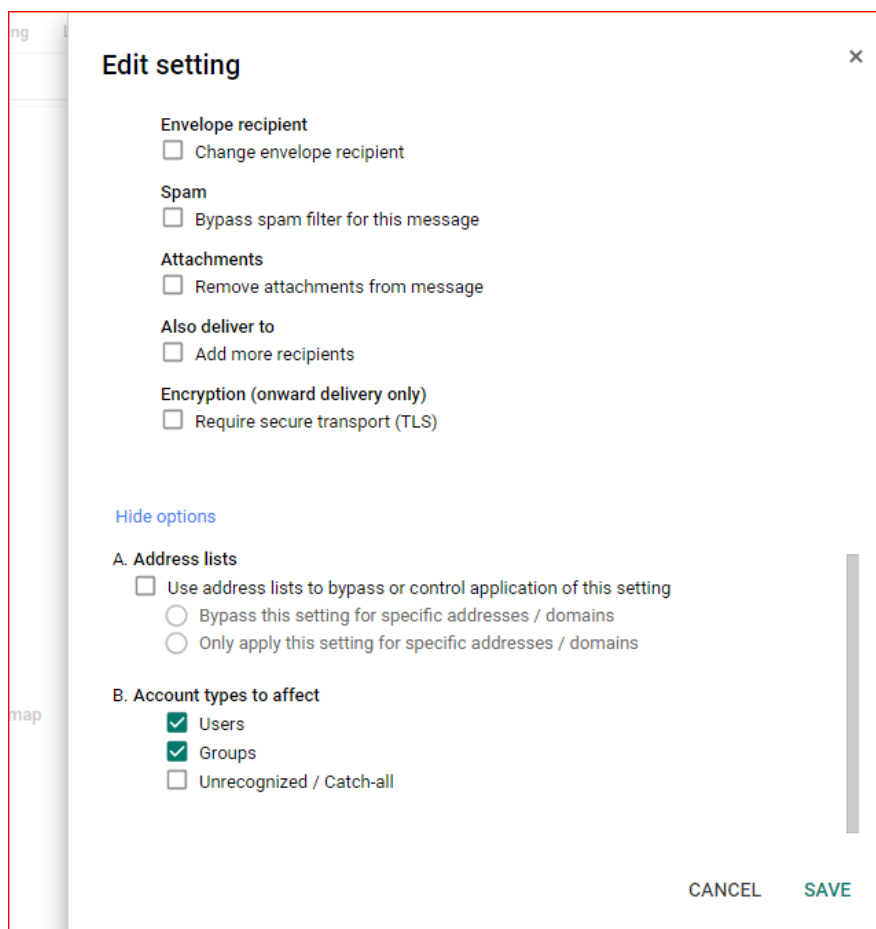
3. Return to the **Advanced Setting** page and go to the **General Settings** Tab. Scroll down to **Routing**. This is where you set your Outbound Gateway to route mail to the Barracuda Email Security Gateway. Directly below that, add a route as shown.



4. This is a REGEX expression containing your domain. Select **Internal Email** Host.



5. Select **Account Types to affect** with this routing.



Edit setting ✕

Envelope recipient
 Change envelope recipient

Spam
 Bypass spam filter for this message

Attachments
 Remove attachments from message

Also deliver to
 Add more recipients

Encryption (onward delivery only)
 Require secure transport (TLS)

[Hide options](#)

A. Address lists
 Use address lists to bypass or control application of this setting
 Bypass this setting for specific addresses / domains
 Only apply this setting for specific addresses / domains

B. Account types to affect
 Users
 Groups
 Unrecognized / Catch-all

CANCEL **SAVE**

Now all internal mail is routed directly to Google servers, and all other mail routes through Outbound Gateway.

Figures

1. BessInbound.png
2. 4-28-2012 2-42-54 PM.png
3. GSuiteEditMailRoute.png
4. GSuiteEditSEtting.png
5. GSuiteEditSettingChangeRoute.png
6. GSuiteEditSettingsAccountTypes.png

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