

## Syslog Integration

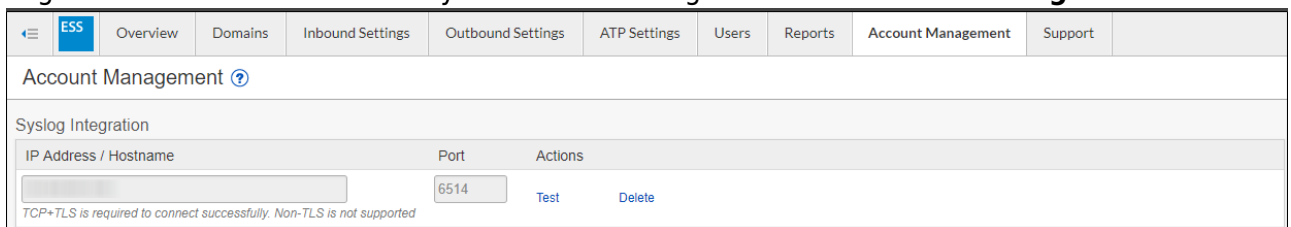
<https://campus.barracuda.com/doc/85494328/>

Syslog Integration supports syslog version 3 and is available if you are using Barracuda Essentials Security Edition or above.

Syslog Integration enables you to export your message log data to a syslog server or a security information and events management (SIEM) system. With Syslog Integration, you can store your information beyond 30 days and use it for tracking, analysis, and troubleshooting.

To configure Syslog Integration:

1. Log into Barracuda Email Security Service and navigate to the **Account Management** tab.



The screenshot shows the Barracuda Email Security Service (ESS) interface. The top navigation bar includes tabs for Overview, Domains, Inbound Settings, Outbound Settings, ATP Settings, Users, Reports, Account Management (selected), and Support. Below the navigation bar, the 'Account Management' section is active, displaying the 'Syslog Integration' configuration. It features a table with columns for 'IP Address / Hostname', 'Port', and 'Actions'. A single entry is shown with a text input field for the IP address, a port value of 6514, and 'Test' and 'Delete' buttons. A note at the bottom states: 'TCP+TLS is required to connect successfully. Non-TLS is not supported'.

2. Open any firewall ports needed for communication with your syslog server/SIEM system. Refer to [Barracuda Email Security Service IP Ranges](#) for information on IP ranges.
3. Enter the **IP Address/Hostname** and **Port** for your syslog server/SIEM system. The default port is 6514.
4. Click **Test** to ensure that the Barracuda Email Security Service can connect with your syslog server/SIEM system.
  - If the test works, your message log data begins transferring to your syslog server/SIEM system.
  - If the test fails, check the IP Address/Hostname and Port information and reenter it if needed. Then perform the test again.

To delete the syslog server, click **Delete**.

Notes:

- Most syslog server/SIEM systems can be configured to check client certificates. Barracuda syslog clients currently use a self-signed client certificate. Thus, if the syslog server/SIEM system validates client certificates, syslog messages can be rejected. To avoid this error, turn off syslog client certificate validation for the Barracuda Email Security Service or add the certificate to a trusted certificate configuration.
- You can only connect one syslog server/SIEM system at a time. You can delete an existing entry and replace it, but you cannot have multiple entries.
- This feature is available only for Transmission Control Protocol (TCP) with Transport Layer Security (TLS).

- If your syslog server/SIEM system stops responding, data will not spool until the communication is re-established.
- After you enable or disable syslog integration, it can take up to 10 minutes for message transmission to either start or stop.
- Data is transferred at the account level, not at the domain level.

### Data Sent

Sample of JSON sent to sys log:

```
account_id: ESS12345
attachments: null
domain_id: 121111
dst_domain: realty.com
env_from: Moore@gvt.net.br
geoip: BRA
hdr_from: "Mena" <Moore@gvt.net.br>
hdr_to: "Eric" <mike@realty.com>
message_id: 1634567131-112064-5307-8715-1
ptr_record: 179.181.231.191.static.gvt.net.br
recipient_count: 1
recipients: [ [-]
  { [-]
    action: blocked
    delivered: not_delivered
    delivery_detail:
    email: mike@realty.com
    reason: bbl
    reason_extra: 179.181.231.191, in Domain Settings: realty.com
    taxonomy: spam
  }
]
size: 3609
src_ip: 179.181.231.191
subject: I could not resist and pass by!
timestamp: 2021-10-18T14:25:43+0000
tls: false
```

### Data Format

Data is sent to the syslog in JSON format. You can parse the data any way you choose to meet the needs of your organization. For information on the Message Log field names, refer to the help file on the Message Log page.

## Figures

### 1. syslogIntegration.png

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