

## PostFix Relay - PostFix Mail Relay (standards)

### Purpose:

To explain process of managing Postfix email relay and conditions for relay authorization. Goal is to limit & control which systems are able to send emails external to organization.

### Host Information:

hostname = [PostFix\\_Relay.contoso.net](#)

address = 192.168.0.25

port = 25

### Email Routing:

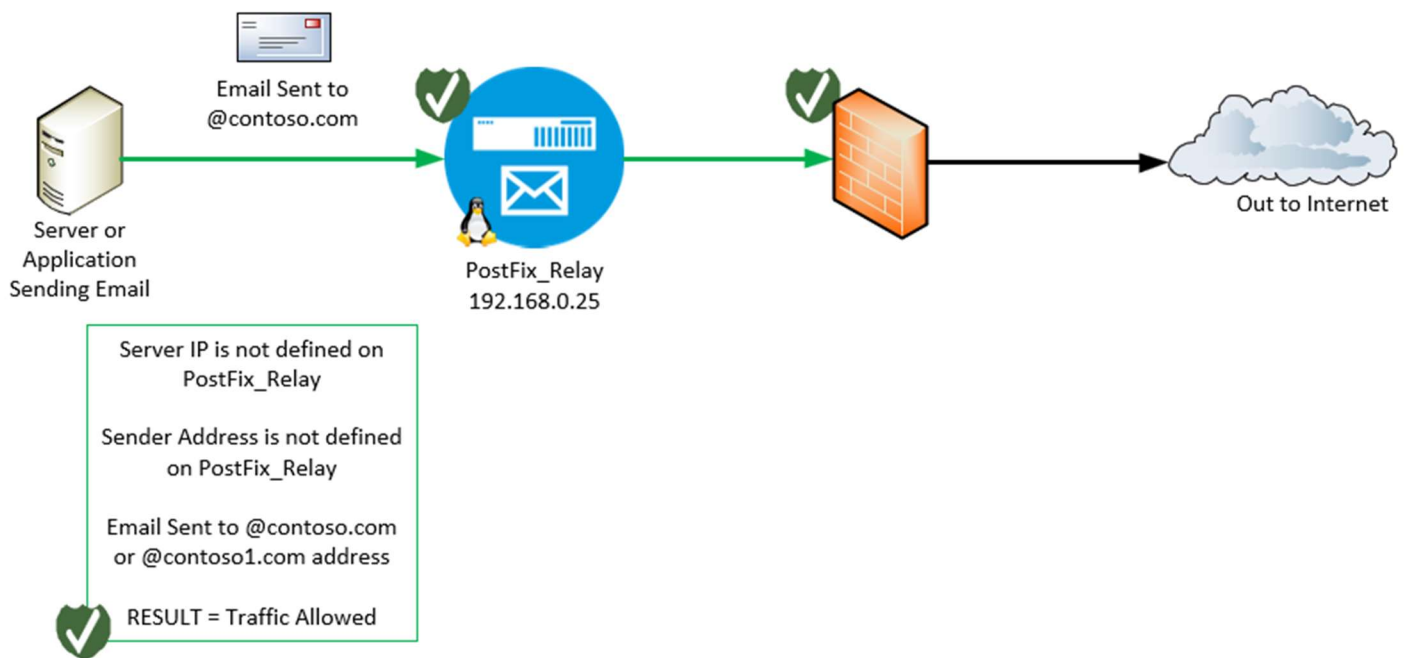
All emails routed through PostFix\_Relay will route via M365 inbound connector.

### Internal Emails:

Emails sent to Internal Addresses (@contoso.com & @contoso1.com) from an @contoso.com or @contoso1.com address will be allowed to relay.

### EMAIL RELAY FLOW – INTERNAL

#### ALLOWED

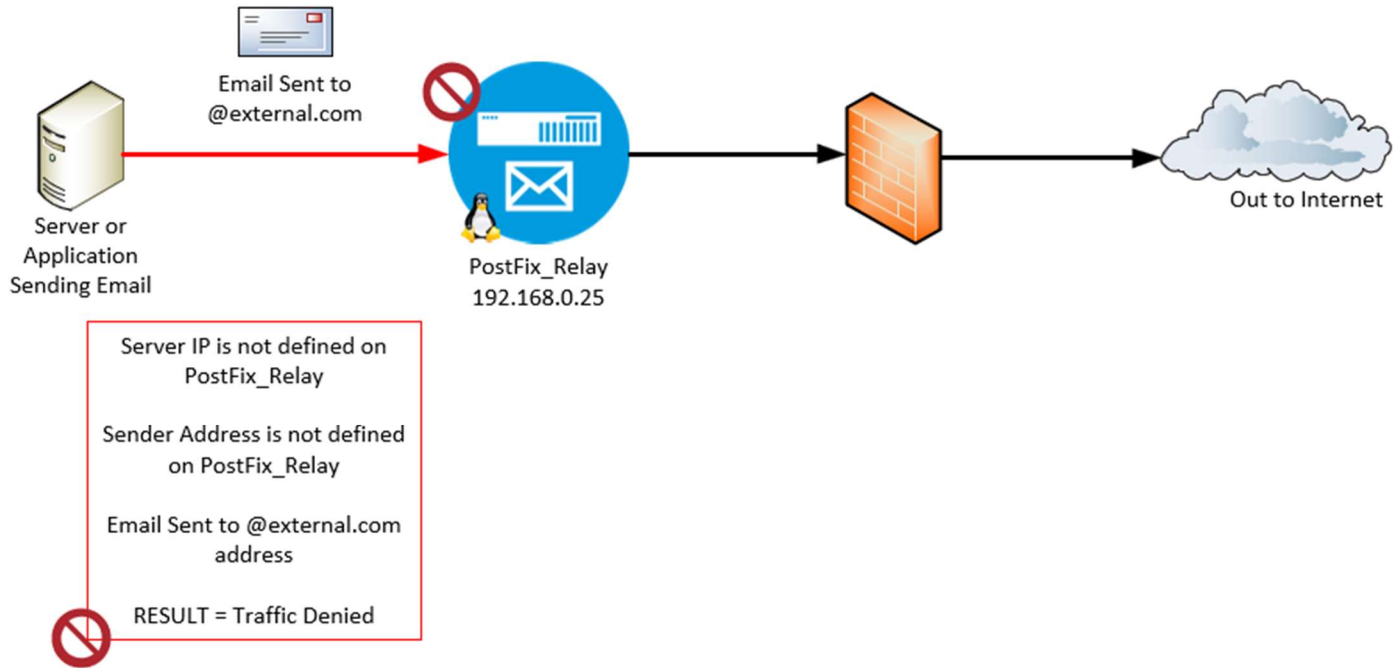


### External Emails:

Emails sent to an external address (ex. @gmail.com) will be controlled via two ACLs (Access Control Lists). If the source system or sending address is not located in these ACL's then the email will be denied by the relay.

#### EMAIL RELAY FLOW – EXTERNAL

**BLOCKED**

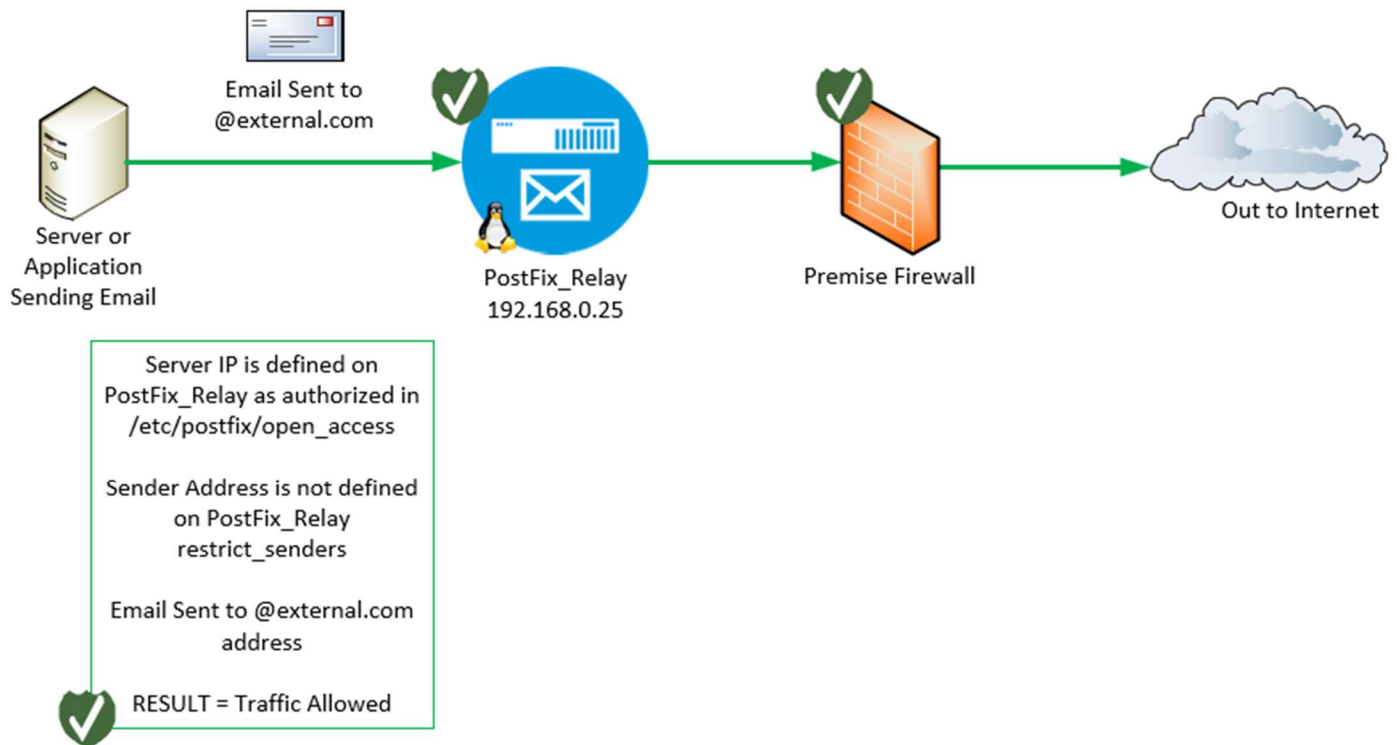


The first ACL is by IP address and should be extremely limited in use due to the security risk. Control of this ACL is done via the file `/etc/postfix/open_access`.

**open\_access** = definition list of what servers can relay email through postfix

```
[root@PostFix_Relay postfix]# cat open_access
# Server List by IP for unrestricted e-mail sending
192.168.0.10 OK #XeroxCopier
* DUNNO
```

### EMAIL RELAY FLOW – EXTERNAL **ALLOWED BY SERVER IP**



The second ACL is by authorized sender address. Control of this ACL is done via the file `/etc/postfix/restrict_senders`.

**restrict\_senders** = definition list of what senders are allowed to relay email through postfix

```
[root@PostFix_Relay postfix]# cat restrict_senders
# List of FROM email addresses that are allow to relay external
# acceptable classifications = local_only, OK, REJECT
# example 1: helpdesk@contoso.com OK
# example 2: dummy@contoso.com REJECT
noreply@contoso.com OK
contoso.com local_only
.contoso.com local_only
* DUNNO
```

#### EMAIL RELAY FLOW – EXTERNAL ALLOWED BY SENDER ADDRESS

