

# FortiMail Email Protection - Step by Step Guide

Jhonattan Ferreras
System Engineer

### Objective

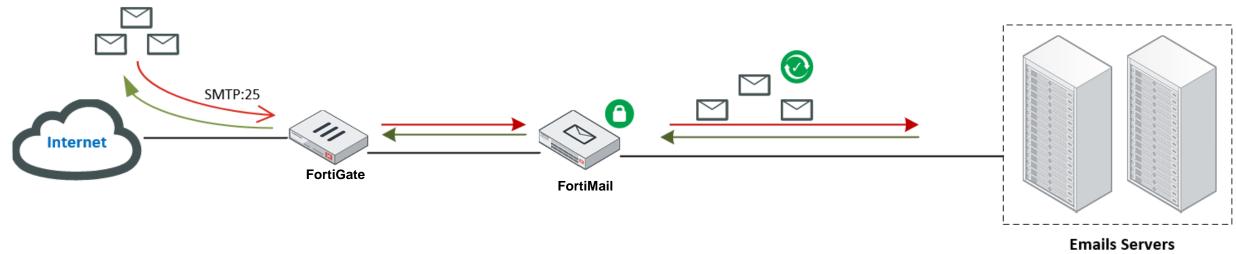
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- ✓ Notes
- √ 4 Inbound Step by Step Guide
- √ 4 Outbound Step by Step Guide
- ✓ Logs Verifications

## Design



#### Design

**Note:** This guide provide you how to implement a FortiMail as a <u>Gateway Mode</u> to protect all your inbound and outbound email traffic.



**FortiMail** unit receives email for defined email domains and control relay of email to other domains. Email passing through the FortiMail unit can be scanned for viruses and spam.

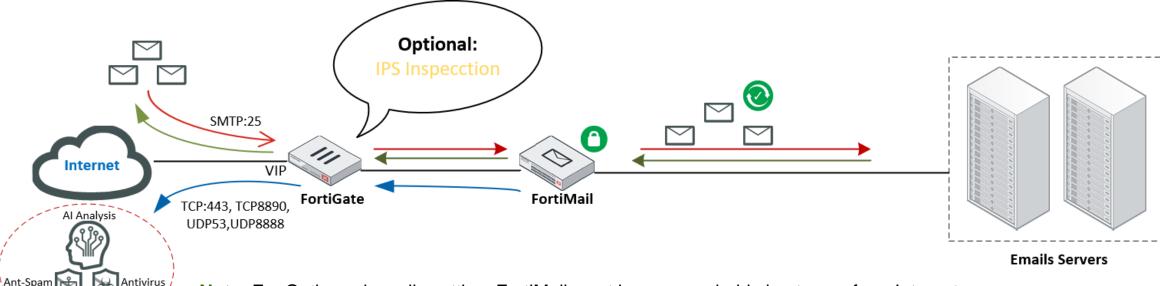
Policies and profiles govern how the FortiMail unit scans email and what it does with email messages containing viruses or spam. On the next slides you will see how configure policies and how to assign profiles.

### Notes



### Smart thing to consider before start!

- 1. Keep in mind, if you have a FortiGate or a third-party firewall, the SMTP traffic (port:25) must be route to the FortiMail.
  - **Optional:** For more security features you can inspect the traffic applying an IPS profile (based on Protect Email Server).
- 2. You must allow access to FortiMail to send emails via SMTP port (25) and access to FortiGuard to validate Licensing, AI analysis and DB updates.
  - FortiGuard Ports: TCP443, TCP8890, UDP53, UDP8888



**Note:** For Outbound emails setting, FortiMail must have a reachable hostname from Internet.

For example: In the Domain settings (example.com), create a "A" record: "mailgateway.example.com"



## Inbound - Step by Step



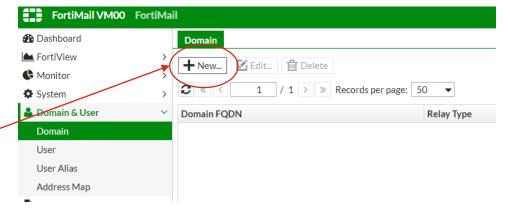
#### **Protected Domains**

Protected Domains are the domains which are protected by FortiMail, once you configure the protected domain, FortiMail allows you to apply all security features associated with that domain.

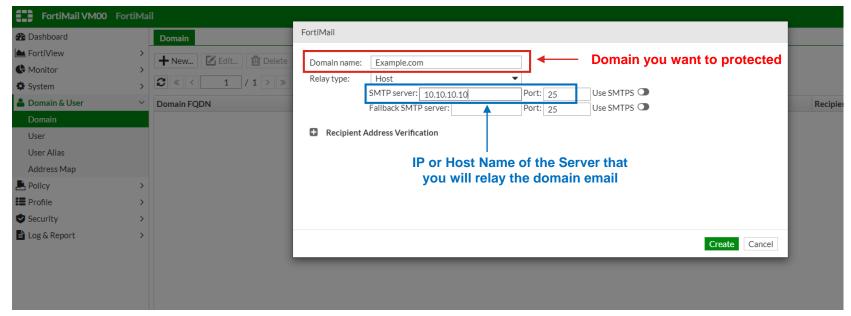


#### **Protected Domains**

Navigate through <u>Domain & User → Domain:</u>



2. Once you click on <u>+New</u>, a new box show up, where you will put the required information





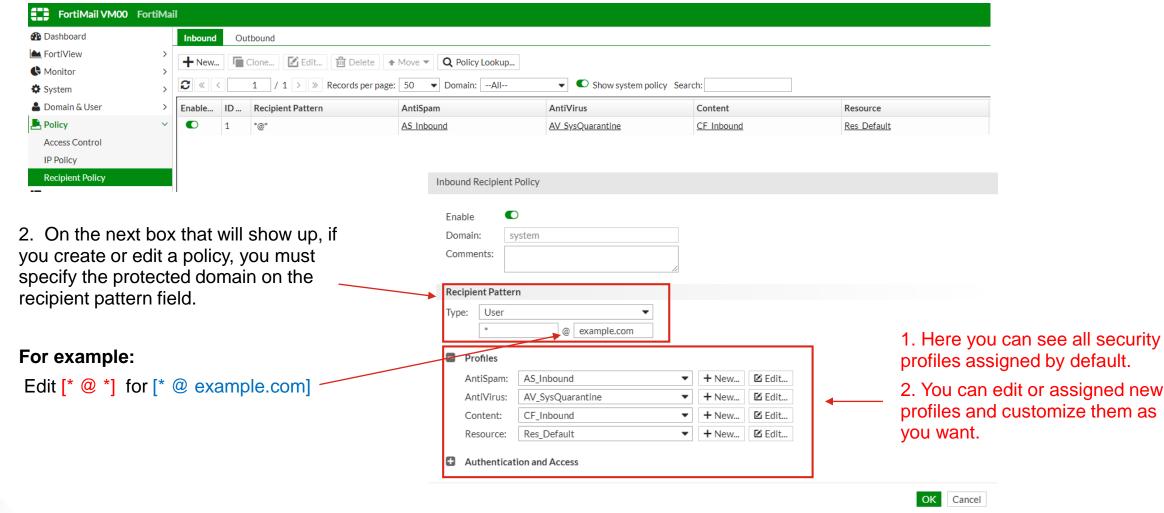
### **Recipients Policy - Inbound**

There are two types of recipient-based policies: inbound and outbound. The FortiMail unit applies inbound policies to the incoming mail messages and outbound policies to the outgoing mail messages, associated with the protected domain configured.



#### **Recipients Policy - Inbound**

Navigate through Policy → Recipient Policy: Here you can edit the default policy o create a new one, your choice!.



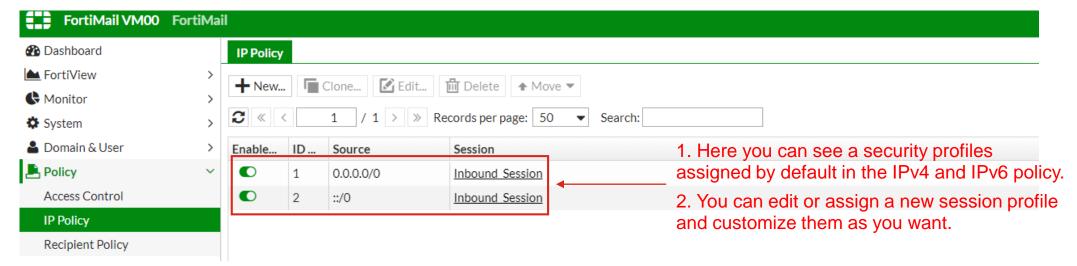
### **IP Policy**

The IP Policies section of the Policies tab lets you create policies that apply profiles to inspect SMTP connections based on the IP addresses of SMTP clients and/or servers with the help of FortiGuard.



#### **IP Policy**

1. This is a default IP policy, allows to inspect all IP connection by default. Do not make any change here at least you want to specify the source IP from where all incoming emails will be received.





#### **Access Control Policy - Inbound**

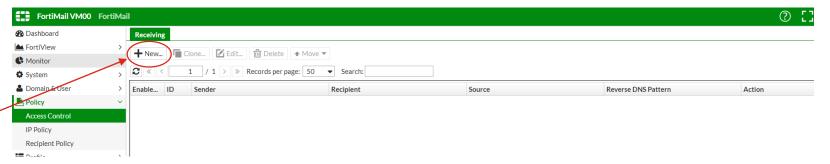
Access Control Policy by default just shows you a receiving tab and here do not display any rules that apply to SMTP sessions being received by the FortiMail unit.

Access control rules, sometimes also called the access control list or ACL, specify whether the FortiMail unit will process and relay/proxy, reject, or discard email messages for SMTP sessions that are initiated by SMTP clients.



#### **Access Control Policy**

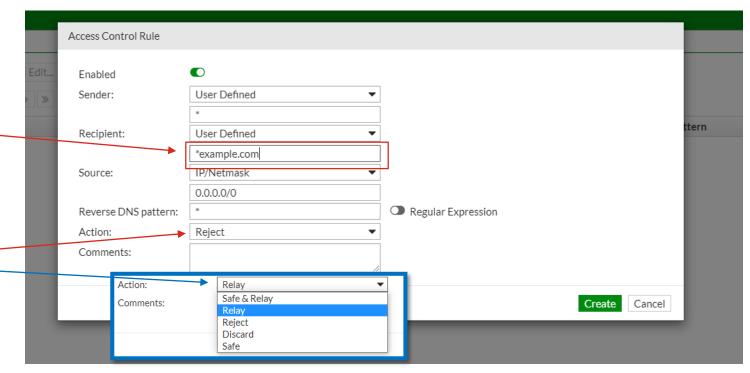
 By default the receiving tab, do not display any rules, so here we are going to create a new ACL for allow any sender can send email to the protected domain.



- Click on +New: a new box show up, is recommended put the protected domain on the recipient field.
- 3. Then change the Action:

#### For example:

Change "Reject" to "Relay"





### Outbound - Step by Step



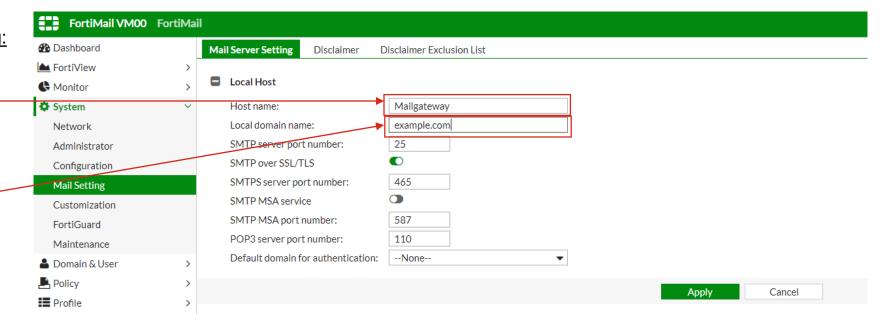
### **Mail Setting**

Mail setting option allow you to configure the hostname of the FortiMail unit with a local domain name.



### **Mail Setting**

- 1. Navigate through System → Mail Setting:
- In the <u>Host name</u> field, put the desired hostname for the FortiMail unit.
- 3. In the <u>Local domain name</u> field, put the local domain that you will use it to reach the FortiMail from internet.



Note: For Outbound emails setting, FortiMail must have a reachable hostname from Internet.

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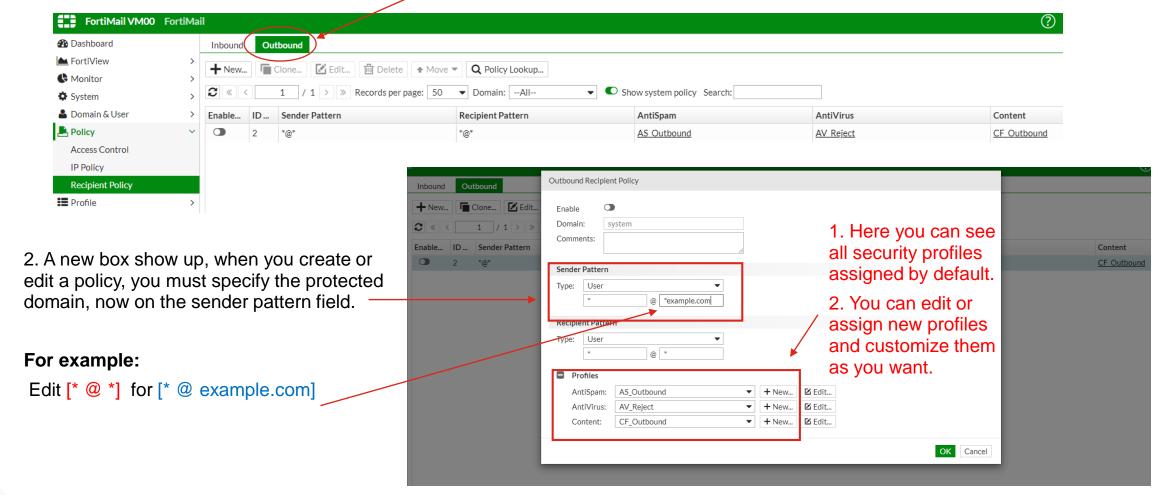
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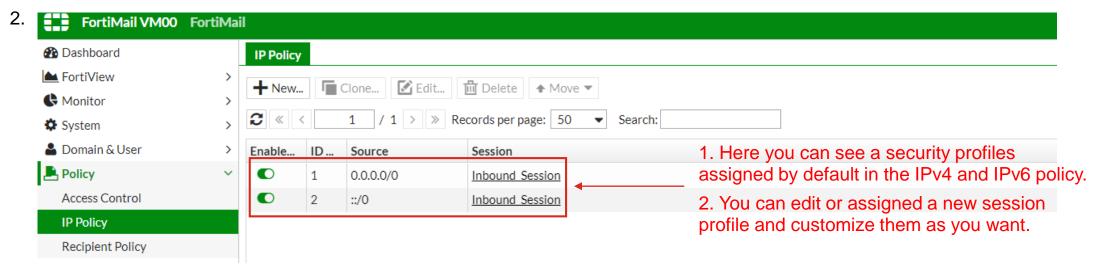
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### **IP Policy**

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#### **Access Control Policy - Outbound**

Access Control Policy by default just show you a receiving tab and here do not display any rules that apply to SMTP sessions being sent it by the FortiMail unit.

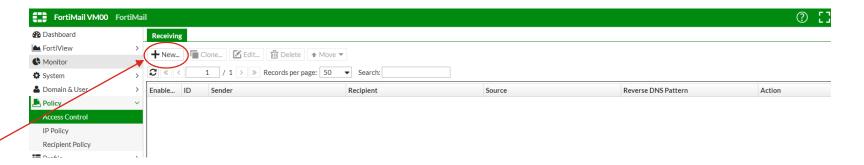
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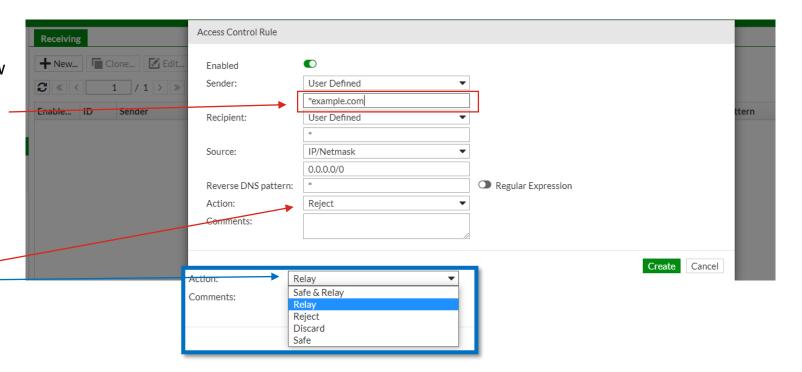
 By default the receiving tab, do not display any rules for outbound emails, so here we are going to create a new ACL for allows protect domain can send email to any recipient.



- Click on +New: A new box show up, is recommended to put the protect domain on the sender field.
- Then change the <u>Action:</u>

#### For example:

Change "Reject" to "Relay"



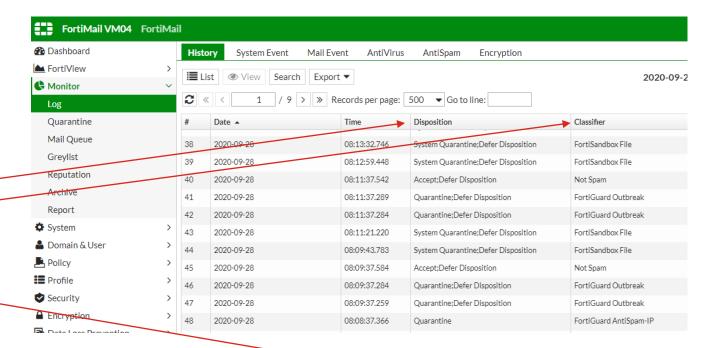


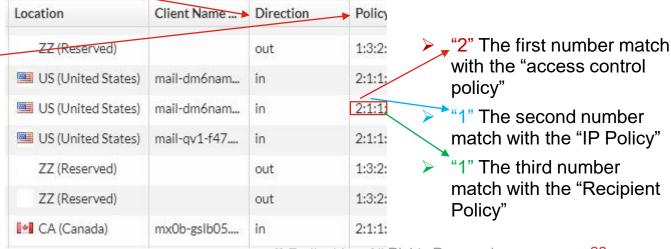
### Logs Verifications



#### **Logs Verification**

- Click on Monitor→ Log: Here you can see a series of emails events where they are taking a "Disposition" depend on what "Classifier" they are tag.
- 2. Little more on the right, you will see the "Direction" field indicated the email direction, in or out.
- Next to "Direction" you will see too, a "Policy" field, this field show you the matching policy, which the email must have passed through to be a successful email delivery in both direction (in or out).





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