# *AntiSpam/AntiVirus SMTP Proxy Server Project Update*

Test Environment:

- Borrowed two Zimbra test Mail Servers previously created by Ahmed, one to act as an outside client, the other as the mail server that needs protection behind ASSP.
  - MS1: 192.168.0.239 [Inside]   User/Domain : admin@ahmed-test.com
  - MS2: 192.168.0.242 [act as outside client]   User/Domain : admin@xyz.com

- Using a DNS Server installed on MS1, FQDNs of all three servers has been set so they all are reachable using their respective names.

- Project was divided into two phases:

  1- Test Only Inbound mail at MS1 using the AS/AV server.
  2- MS1 relays to AS/AV server in outbound mails as well.

- The following Simple Topology was used for testing
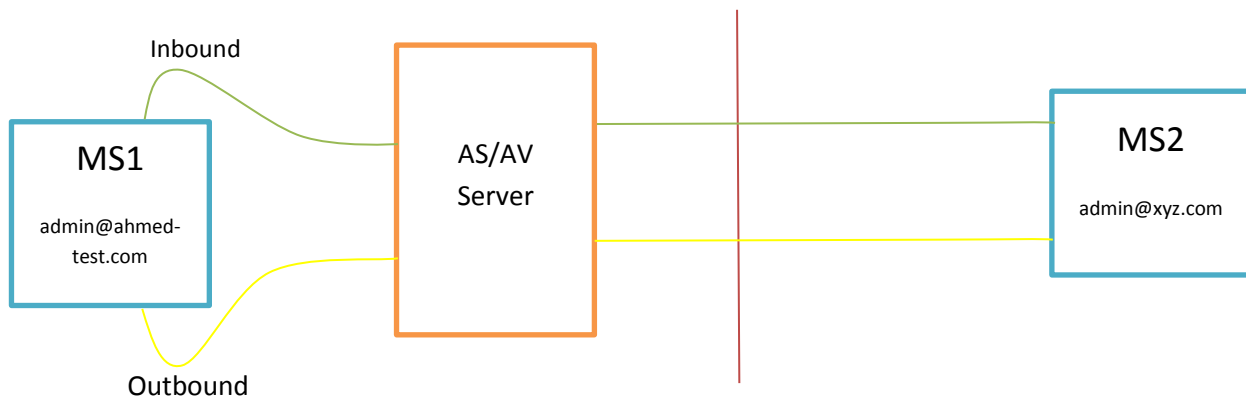
Tools checked:

- ASSP Tool [Created at test server : 192.168.0.161]
- MailScanner
- Mail Border [Created at test server : 192.168.0.229]

Results:

1. ASSP Tool is very powerful regarding control, as it contains tons of known and unknown configuration parameters.
2. ASSP functionality can be extended by installing perl modules (All available modules where also installed during the test)
3. Downside of ASSP is exactly the same as it's strength, confusing configuration parameters and nothing is straight forward. (Only problem and solution type of resources where found online)

4. MailScanner was attempted for installation using their latest version, however the tool is terminal based. (Some config files and a Daemon to start them)
5. Installing a web Gui for MailScanner requires a separate tool (Ex: Baruwa)
6. MailScanner test was abundant after Gui-Tool Integration Frustration (Installation Phase).

7. Mail Border is the most elegant tool compared to the rest, Installation and configuration was exactly as per their documentation without any faced issues, and firing up the tool to start scanning didn't take much time.
8. Several Spam and Virus E-mails has been tested and Mail Border blocked them successfully.
9. Downside is that the Open Version of Mail Border only supports scanning for 1 configured domain, and some minor features that we will collect and list at soonest possible.

Test Servers For your kind viewing:

1. ASSP :   Ubuntu14 x64 @ 192.168.0.161
   Webgui : 192.168.0.161:55555
   User   : root
   Pass   : n00rinfra

2. Mail Border : Ubuntu14x64 @ 192.168.0.229
   Webgui : 192.168.0.229
   User   : admin
   Pass   : n00rinfra

Extra:

* ASSP installation consumed several steps from more than one resource, and so we have created a deployment script to easily install the whole system if needed again.

* Deployment Script is attached.