



IDoNotes

Lotus Protector for Mail Security

A Consultant in your Pocket series webinar

Presented by: Victor Toal



Lotus Protector for Mail Security

What we will cover in this Webinar

1

Lotus Protector for Mail Security – what is it?

2

Architecture – Where does it fit in an Environment

3

Setting up Lotus Protector – Installation and configuration options

4

Back-up and Restore

5

Lotus Protector Clustering – Make it redundant!

6

Lotus Protector and the Domino user

Lotus Protector for Mail Security

What is it and what does it do?



A Single device that takes care of:

- Spam & Anti Virus (incl. Phishing, etc.)
- Content filtering (20 analysis modules)
- Intrusion protection (directory harvesting, denial of service, buffer overflow attacks, malicious urls, etc.)
- Will work on both inbound and outbound mail
- Supports unicode – even double-byte character sets

悪戦苦闘



Your Logo



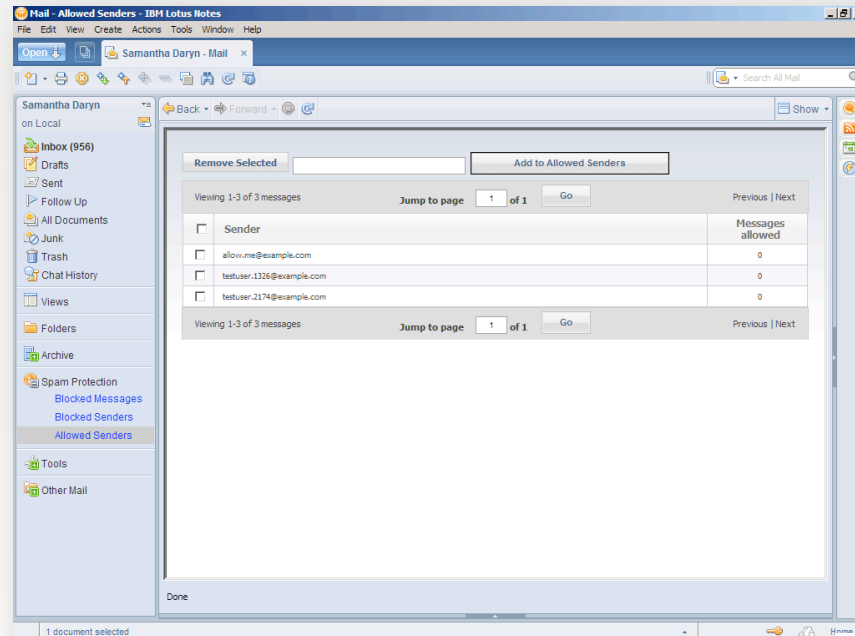
Lotus Protector for Mail Security

What does it do?



WORKS DIRECTLY WITH THE DOMINO CLIENT

- White lists
- Black List
- Report Spam
- Review Held Mail



Your Logo



What is Lotus Protector for Mail Security

Install Options



- Current version is 2.6
- Runs either on dedicated HW (as an appliance) or as a VM
- OS is SUSE Linux
- Can be clustered across multiple servers/instances



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What is Lotus Protector for Mail Security

How do you get it?

- Download it: 
- Free Trial for 90 days (full version!!)
- Full version with updates for spam and AV
- After 90 days the updates stop ... but the product will still work
- Enter a license key and ... presto! It works again



Your Logo



Lotus Protector - Architecture

System Requirements

VMWARE

1

- * VMware Server 1.0.2 or later
- * VMware Workstation 5.5 or later
- * VMware Player 1.0.3 or later
- * VMware ESX 3.x or later

2 GB of RAM (*1 GB per virtual instance*)
100 GB of storage space
(*50 GB per virtual instance*)
2 Network interfaces

- This configuration can process approx. 70K mails/hr per virtual device

HARDWARE

2

IBM xSeries: x3250 M2; x3350; x3550M2;
x3650 M2

3 GB - 4 GB RAM
Single Intel Xeon processor
DVD device
Minimum 250 GB storage

- Hardware devices can process between 110K and 360K mail documents/hr depending on configuration

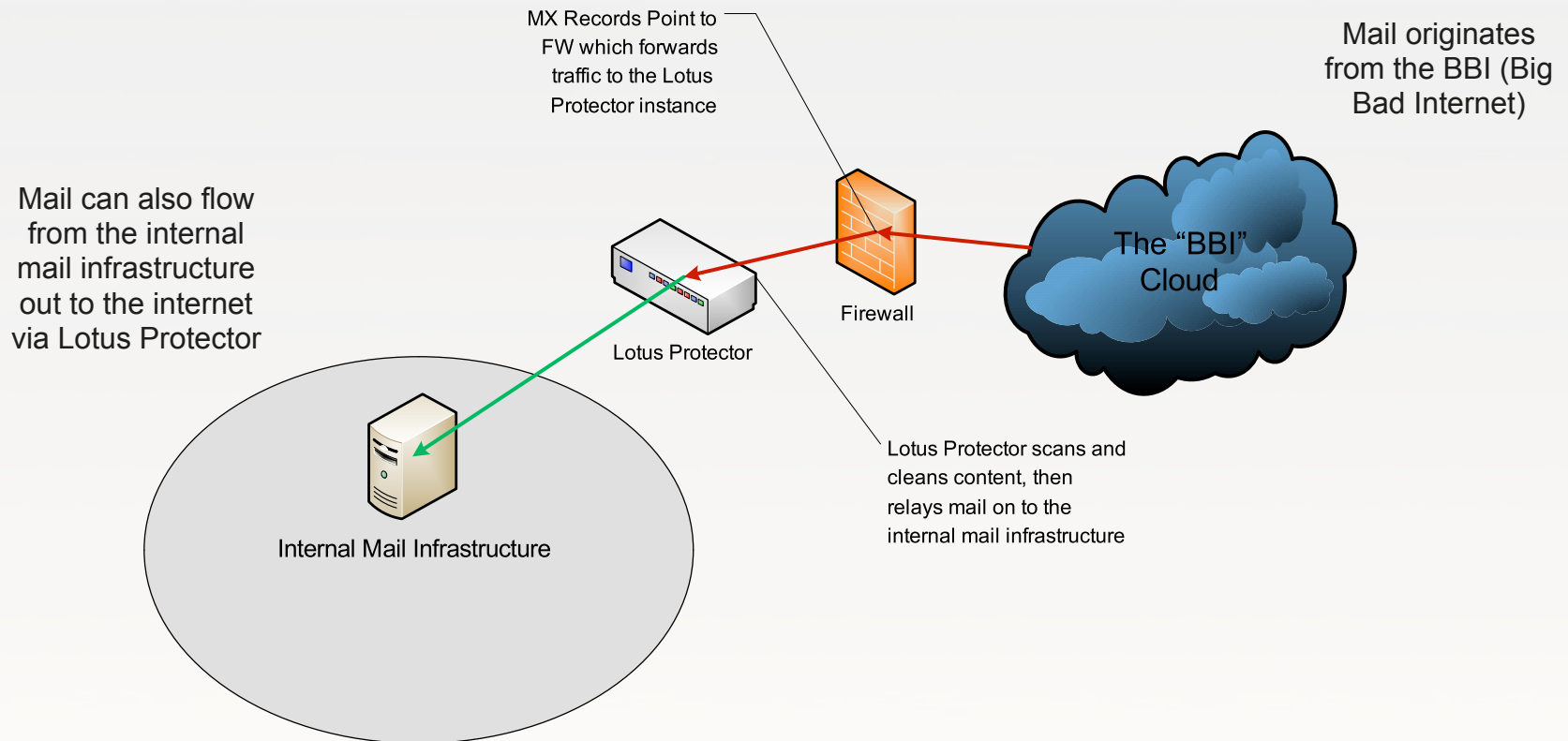
**Currently only certified to run on IBM hardware, but can be installed on selected other vendor HW as well*

Detailed requirements: <http://is.gd/ezaGF>



Lotus Connector Architecture

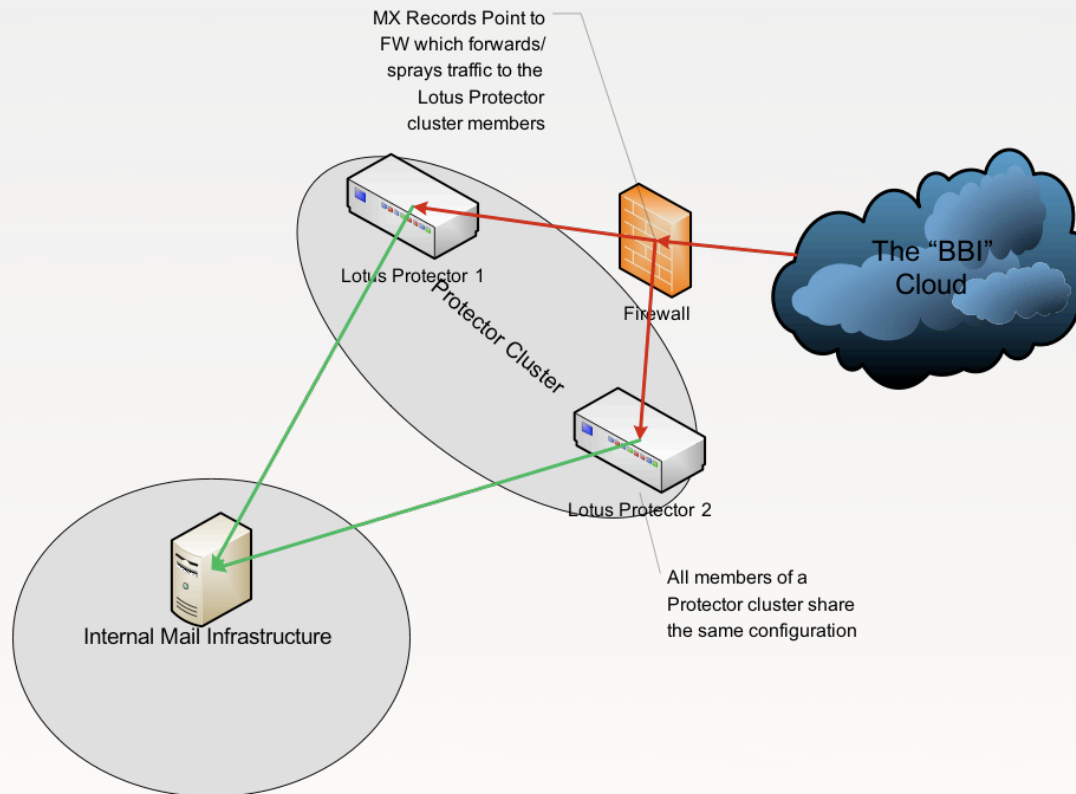
Example 1: Single Instance



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Lotus Connector Architecture

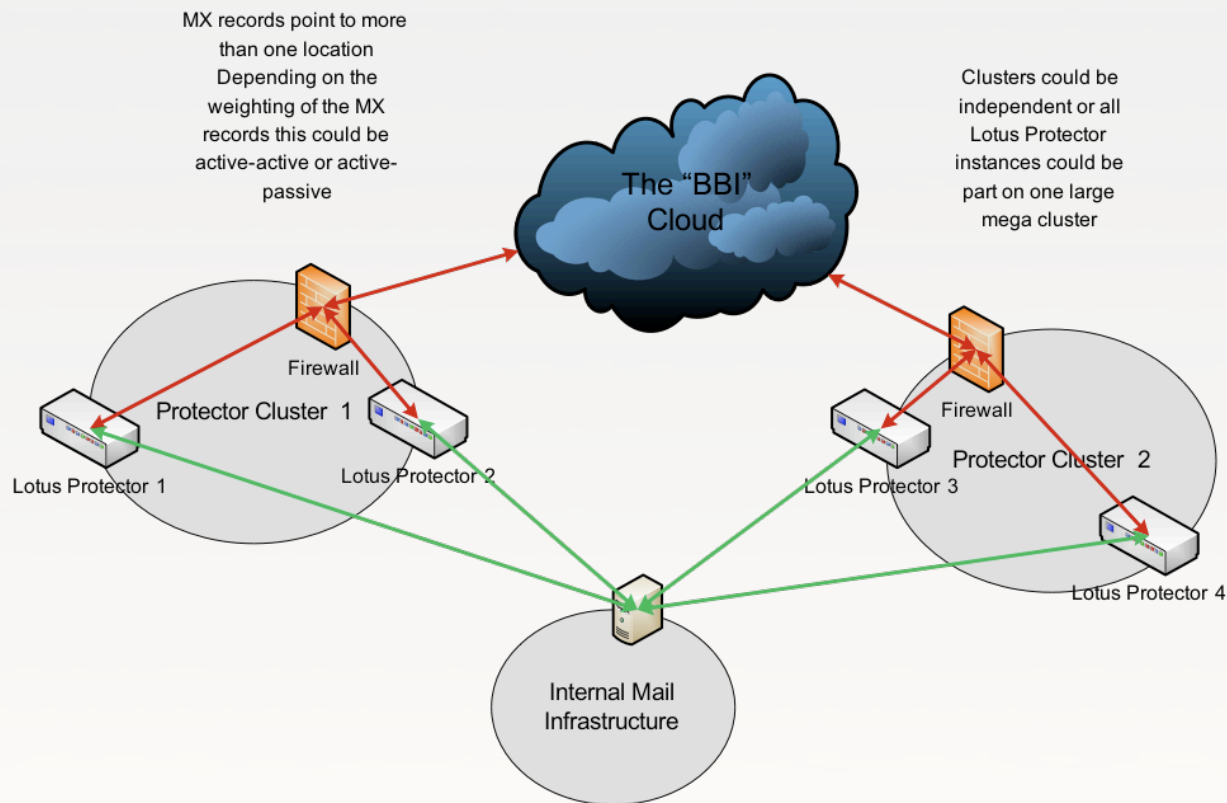
Example 2: Redundant/Clustered Instance



Your Logo

Lotus Connector Architecture

Example 3: Multi-Instance Implementation



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Lotus Protector: Installation

Preparation

- VMWare and HW implementation both require the same preparation
- Preparing all the information ahead of time is important
- Passwords for system accounts should be secure and random



“*_
gobbleDiGook@3/”

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Lotus Protector: Installation

Preparation – Protector settings

- Network information (static/dhcp, dns, etc.)
- DNS entry for Protector
- SMTP relay: host name/IP
- Internal recipient mail server(s) host name/IP
- MX records (internal and external)
- SSL Certificates (for the user web interface)



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Lotus Protector: Installation

Preparation – Protector settings ... continued

Mail relay/connectivity – Ports

- FW rules external: ports 25(smtp) , 443 (https)
- FW rules Internal: ports 25(smtp) , 443 (https), 389 (ldap), 123 (ntp) , 4443 (end user connectivity) , 5432 (configuration dB access for cluster mates), 4990 (cluster mate communication channel)



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Lotus Protector - Installation

VMWare vs. Physical



- VMWare image and installation on a physical server are slightly different – the configuration steps are the same though
- The VMWare image has an extra port for Virtual server-to-host communications. If you don't need it, this port can be removed
- Some basic networking (IP address, DHCP, etc.) configuration can be done from the system console and the remainder can be done via a Web interface – or you can do it all via a web browser.

IMPORTANT

- The password for the Linux [root] account and the Protector [admin] account are initially the same: [admin] – when you change them don't make them the same in production again!



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Lotus Protector: Installation

Setup and Configuration

- After either installing from DVD/iso file or setting up the VMWare image, the following steps are virtually identical.
- Just power up the servers, and



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Lotus Protector: Installation

Power on – here we go!



Your Logo

Lotus Protector: Installation

Linux console at work

```
052248k done
Starting udevd parport: PnPBIOS parport detected.
parport0: PC-style at 0x378, irq 7 [PCSP,TRISTATE]
lp0: using parport0 (interrupt-driven).
Fusion MPT misc device (ioctl) driver 3.04.06-suse
mptctl: Registered with Fusion MPT base driver
mptctl: /dev/mptctl @ (major,minor=10,220)
piix4_smbus 0000:00:07.3: Found 0000:00:07.3 device
piix4_smbus 0000:00:07.3: Host SMBus controller not enabled!
vmxnet: module not supported by Novell, setting U taint flag.
vmxnet: module license 'unspecified' taints kernel.
VMware vmxnet virtual NIC driver
ACPI: PCI Interrupt 0000:00:11.0[A] -> GSI 18 (level, low) -> IRQ 177
Found vmxnet/PCI at 0x1424, irq 177.
pci_hotplug: PCI Hot Plug PCI Core version: 0.5
features:
ACPI: PCI Interrupt 0000:00:12.0[A] -> GSI 19 (level, low) -> IRQ 185
Found vmxnet/PCI at 0x14a4, irq 185.
features:
shpchp: Standard Hot Plug PCI Controller Driver version: 0.4
Linux agpgart interface v0.101 (c) Dave Jones
agpgart: Detected an Intel 440BX Chipset.
agpgart: AGP aperture is 256M @ 0x0
pcnet32.c:v1.31c 01.Nov.2005 tsbogend@alpha.franken.de
```

```
eth0 IP address: 192.168.123.123/24
Checking for network time protocol daemon (NTPD): done
eth1 done
Setting up service network . . . . . done
Starting syslog services
2010-08-22-21:10:22 lcdconfigd[2682] N Starting LCD-Config service
2010-08-22-21:10:22 lcdconfigd[2682] N No LCD found: LCD config terminated
Starting RPC portmap daemon done
20100822-211022 I greportd[2701]: Starting service greportd
20100822-211022 I greportd[2701]: Start service rc=0
Starting recipientverificationd
20100822-211023 I sdaemon[2731]: Starting Service Controller
20100822-211024 sd-xmail[2750]: [I] Starting Service Daemon [xmail]
Starting /usr/sbin/zla_socket_server unused
Starting irqbalance done
Generating new issDaemon keys: done
Starting issDaemon: done
Loading keymap i386/qwerty/us.map.gz done
Loading compose table winkeys shiftctrl latin1.add done
Start Unicode mode done
Loading console font lat9w-16.psfu -m trivial G0:loadable done
Checking/updating CPU microcode done
Starting name server BIND done
Starting PostgreSQL_ done
```



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Lotus Protector: Installation

Power on – here we go!

```
Sun Aug 22 21:10:53 UTC 2010
mounting /rescue
Creating Backup listfile /var/lib/backups/sysbackups.list
unmounting /rescue
Master Resource Control: runlevel 3 has been
Skipped services in runlevel 3:
```

eth1:192.168.1.6/24

reached
irq_balancer

```
-----
20100822-211056 Mailsecurity System Install2 V2.12.2 running on /dev/tty1
20100822-211056 detailed log is shown on console tty8 (press Alt-F8)
20100822-211058 Install Flags:
20100822-211058 Current install state: 9
20100822-211058 Installation cleanup
20100822-211058 chkconfig autoinstall off
20100822-211100 =====
20100822-211100 Installation complete: System ready
20100822-211100 =====
20100822-211100 Starting console login
```

```
Welcome to SUSE Linux Enterprise Server 10 SP2 (i586)
Kernel 2.6.16.60-0.34-smp (tty1)
```

```
unconfigured login: admin
Password: _
```

Upper right corner will show what IP address it received through DHCP initially

- Lotus Protector initial setup is finished
- It reports itself at SUSE Linux 10



Your Logo

Lotus Protector: Installation

Power on – here we go!

```
Kernel 2.6.16.60-0.34-smp (tty1)
unconfigured login: admin
Password:
ProvSetup V1.3.2 (c) IBM Internet Security Systems
Reading active configuration...

ProvSetup V1.3.2
-----
Current configuration values and status
Hostname      : unconfigured.hostname
Interface eth0 : 192.168.123.123/255.255.255.0 1000Mb/s,Full Duplex
Interface eth1 : 192.168.1.6/255.255.255.0 1000Mb/s,Full Duplex
Default Gateway: 192.168.1.1

1) Set passwords      []
2) Set Hostname       [unconfigured.hostname]
3) Set config eth1    [DHCP]
4) Set default GW     [DHCP]

s) Save Configuration
q) exit setup
Select: _
```

Default IP addresses
for VMWare

You can also set
the Linux [ROOT]
password from
here!

Set Passwords first

Then set the IP information



Your Logo

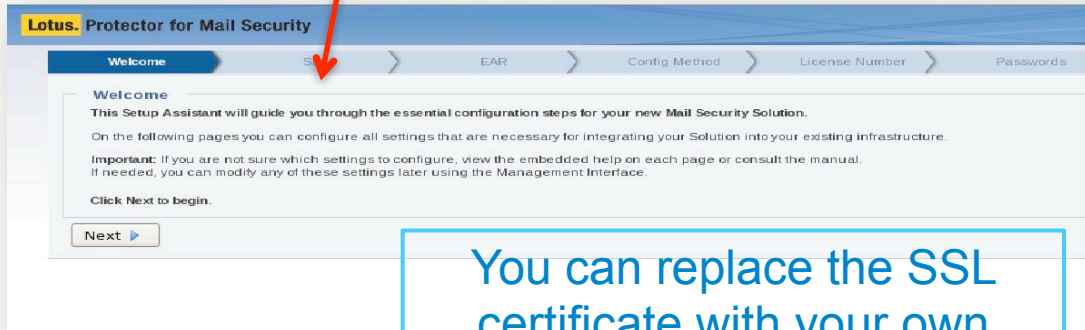
Lotus Protector: Installation

Power on – Connect via the browser

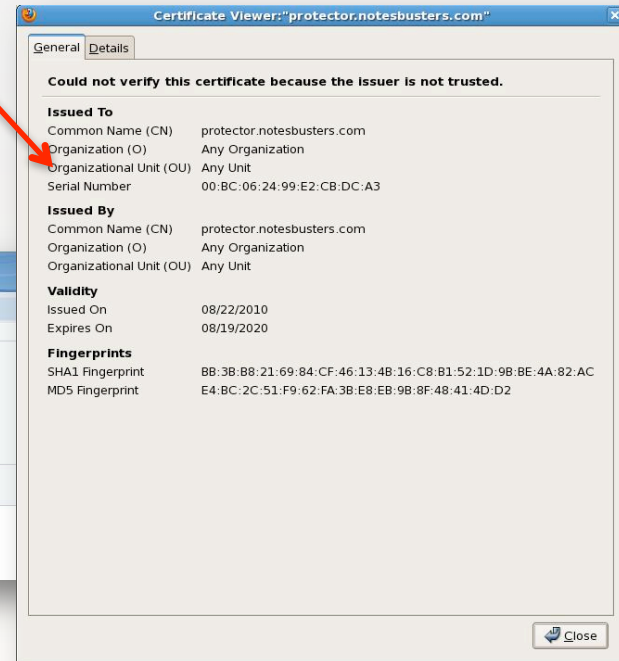
- Now Connect via the browser to the eth1 interface

1. Accept the SSL certificate

2. The Welcome Page



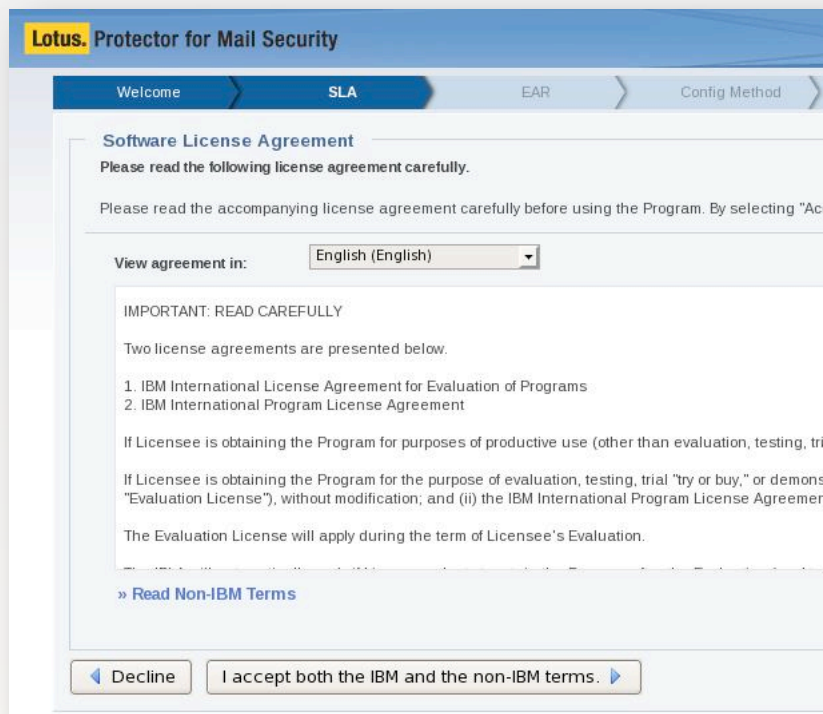
You can replace the SSL certificate with your own certificate later <http://is.gd/eB5fZ>



Your Logo

Lotus Protector: Installation

Accept all agreements



Your Logo

Lotus Protector: Installation

The configuration Assistant



The assistant is the easiest way to get Lotus Protector up and running initially

Experienced users can enter everything manually

The screenshot shows the 'Configuration Method' screen of the 'Lotus Protector for Mail Security' installation assistant. At the top, a blue header bar contains the title 'Lotus Protector for Mail Security' and a series of navigation tabs: 'Welcome', 'SLA', 'EAR', 'Config Method' (which is highlighted), 'License Number', and 'Passwords'. Below the tabs, the section is titled 'Configuration Method' and contains the text: 'Please choose how to configure your Solution.' followed by a paragraph explaining the assistant's purpose and a 'Notice' about skipping the assistant. Two radio buttons are present: 'Configure your Solution using the Assistant' (which is selected) and 'Skip the Assistant and configure the Solution manually'. At the bottom of the form, there are 'Back' and 'Next' buttons.

Your Logo

Lotus Protector: Installation

License of free, fully functional eval?



If you have an existing
license – enter it here

The trial license is fully
functional and valid for
90 days!

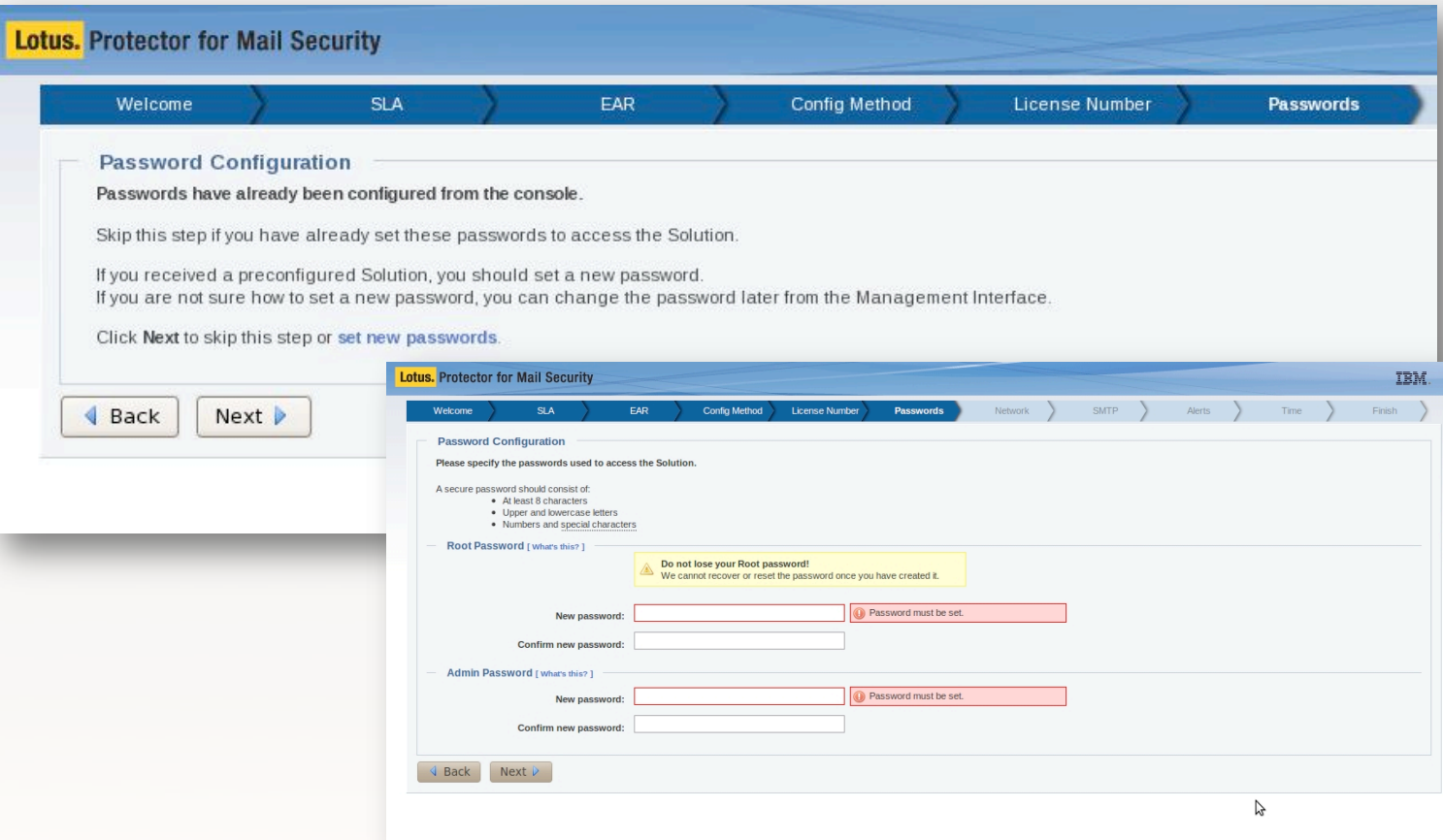
The screenshot shows the 'License Number' step of the 'Lotus Protector for Mail Security' installation wizard. The title bar at the top says 'Lotus Protector for Mail Security'. Below it is a navigation bar with five steps: 'Welcome', 'SLA', 'EAR', 'Config Method', and 'License Number', with 'License Number' being the active step. The main content area has a heading 'License Number' and a text box for entering the license number. Below this, it says 'Please register your license number with the Solution.' and 'To receive updates for your Solution you must install a valid license. If you use a trial license the Solution will receive updates for a limited evaluation period only.' There are two radio button options: 'Install license now' (which is selected) and 'Use trial license'. The 'Install license now' option is described as 'Enables all protection features against Spam and Malware and provides your Solution with regular updates and enhancements.' The 'Use trial license' option is described as 'Enables all protection features and provides updates for a limited evaluation period.' At the bottom, there are 'Back' and 'Next' buttons.

Your Logo

Lotus Protector: Installation

Passwords

Change the
passwords here
unless you
have already
changed them
at the console



The screenshot shows the 'Lotus. Protector for Mail Security' installation window. The 'Passwords' tab is selected in the top navigation bar. The main content area is titled 'Password Configuration' and contains the following text:

Passwords have already been configured from the console.

Skip this step if you have already set these passwords to access the Solution.

If you received a preconfigured Solution, you should set a new password.

If you are not sure how to set a new password, you can change the password later from the Management Interface.

Click **Next** to skip this step or [set new passwords](#).

At the bottom are 'Back' and 'Next' buttons.

A second, larger screenshot is overlaid on the bottom right, showing a more detailed 'Password Configuration' screen. It includes a warning: 'Do not lose your Root password! We cannot recover or reset the password once you have created it.' Below this are input fields for 'New password' and 'Confirm new password' for both 'Root Password' and 'Admin Password'. Red error messages 'Password must be set.' are visible next to the 'New password' fields. The bottom of this window also has 'Back' and 'Next' buttons.



Your Logo

Lotus Protector: Installation

Passwords

Lotus. Protector for Mail Security

Welcome > SLA > EAR > Config Method > License Number > Passwords > **Network**

Network Configuration

The network has already been configured from the console.

Skip this step if you have already set up all necessary network details.
If you do not know how to configure the network settings, consult your network administrator.

Note: If needed, you can modify these settings later using the Management Interface or using Maintenance mode on the console.

Click **Next** to skip this step or **configure the network**.

Change the network configuration here unless you have already changed it at the console

Click "Configure the Network" to get to the details

Lotus. Protector for Mail Security

Welcome > SLA > EAR > **Config Method** > License Number

Network Configuration

To integrate your Solution into the existing infrastructure please configure the network settings below.

Important: If you are not sure which settings to configure, leave the settings at their default or consult your Network Administrator.
You may modify these settings later using the Management Interface or using Maintenance mode on the console.

Network Identification

Host name:

Provide a fully qualified domain name as your Solution's host name.
Example: mailsecurity.mycompany.com

Primary Network Interface (eth1)

The main network interface is used to facilitate primary communication with the network.

☒ Configure IP address automatically (via DHCP)

☒ Configure DNS servers automatically (via DHCP)



Lotus Protector: Installation

SMTP specific settings

Edit and configure
the SMTP options
such as relays,
internal domain
controls, e-mail
addresses etc.

Welcome > SLA > EAR > Config Method > License Number > Passwords > Network > SMTP

SMTP Settings

Configure SMTP settings that enable the Solution to inspect and filter inbound and outbound mail traffic.

Important: If you are not sure which settings to configure, leave the settings at their default setting or consult your E-mail Administrator. You may modify these settings later using the Management Interface.

General

Root Domain: Used to identify e-mails relayed by this Solution.

[» Configure system e-mail addresses](#)

Receiving E-mails

Local Domains: Provide the mail server names or IP addresses for each internal mail exchange domain.

[» Configure relay hosts](#)

Sending E-mails

Delivery Mode: Please specify how the Solution should handle e-mail delivery.

☒ Use DNS resolution for outbound e-mails

☐ Use a list of Forwarding servers

Syntax:
DOMAIN=SERVER:PORT;ALTERNATE SERVER:PORT
Ports can be omitted, one domain per line.
Use an asterisk (*) as a domain wildcard.

[Back](#) [Next](#)



Your Logo

Lotus Protector: Installation

SMTP specific settings

To edit more detailed settings for mail, click on “Configure system email addresses” and “configure relay hosts”

The screenshot shows the 'SMTP Settings' configuration page in the Lotus Protector management interface. The page has a blue header with navigation tabs: Welcome, SLA, EAR, Config Method (selected), License Number, and Password. Below the header, the 'SMTP Settings' section is titled 'Configure SMTP settings that enable the Solution to inspect and filter inbound and outbound mail traffic.' An important note states: 'Important: If you are not sure which settings to configure, leave the settings at their default setting or consult your E-mail Administrator. You may modify these settings later using the Management Interface.'

The settings are organized into three main sections:

- General:** This section contains several text input fields for email addresses:
 - Root Domain: protector.notesbusters.com
 - Postmaster: postmaster@example.com
 - Error Admin: postmaster@example.com
 - Temporary Error Admin: postmaster@example.com
 - Send System E-mails as: no-reply@example.com
 - Send Quarantine Report as: no-reply@example.com
- Receiving E-mails:** This section contains two main areas:
 - Local Domains:** A text area containing 'notesbusters.com=192.168.123.100'. A syntax box to the right specifies: 'Syntax: DOMAIN=SERVER:PORT;ALTERNATE SERVER:PORT. Port can be omitted, one domain per line.'
 - Relay Hosts:** A text area containing '127.0.0.1/255.255.255.255'. A syntax box to the right specifies: 'Syntax: IP ADDRESS/SUBNET MASK.'
- Sending E-mails:** This section contains a 'Delivery Mode' section with two radio buttons:
 - ☒ Use DNS resolution for outbound e-mails
 - ☐ Use a list of Forwarding serversBelow the radio buttons is a large empty text area. A syntax box to the right specifies: 'Syntax: DOMAIN=SERVER:PORT;ALTERNATE SERVER:PORT. Ports can be omitted, one domain per line. Use an asterisk (*) as a domain wildcard.'

At the bottom of the page, there are 'Back' and 'Next' navigation buttons.



Lotus Protector: Installation

Alerts and RSS feeds ... the internet has arrived



Central place to set up alerts.

Also gives you the opportunity to add an RSS feed to your favorite reader

Lotus. Protector for Mail Security

Welcome > SLA > EAR > Config Method > License Number > Passwords


Events & Alerts

Please specify how your Solution should notify you of events.

Specify if you want to be alerted by e-mail of system events or would rather subscribe to the RSS feed.
Note: You can enable SNMP alerts later using the Management Interface.

RSS Feed

The RSS feed enables you to keep up with the latest system events. You can use your RSS client to filter events and sort them by category.

 [Subscribe to Event Log RSS feed](#)

E-mail Alerts

Subscribe to an event type and specify a notification e-mail address for the event.
Please note: Subscribing to "System Infos" may generate a high volume of e-mails.

Send me e-mail alerts for:

- ☐ All Mail Security Events
- ☒ System Errors
- ☒ System Warnings
- ☒ System Infos

Send to:

Send via SMTP Server:

[Why should 127.0.0.1 not be used to send SMTP alerts?]

[Back](#) [Next](#)



Your Logo

Lotus Protector: Installation

Time ... what time is it?

Time settings:
Default is the
time.nist.gov server,
but you have the
options to synch with
an internal NTP server
instead

The screenshot shows the 'Lotus Protector for Mail Security' installation wizard. The top navigation bar includes 'Welcome', 'SLA', 'EAR', 'Config Method', 'License Number', 'Passwords', and 'Network'. The current step is 'Date and Time', which includes instructions to set the date and time to synchronize all the Solution's services. It mentions that after selecting a time zone, the system will automatically synchronize with an NTP server, or a custom timeserver can be specified in the advanced settings. The 'General' section shows the 'Time Zone' set to '(GMT-05:00) New York, Miami, Atlanta, Detroit, Toronto'. The 'Advanced Settings' section shows the 'Current Date/Time' as '2010-08-22 18:16:00' with a calendar icon. Below this, the checkbox 'Set date/time automatically (via NTP)' is checked, with a link '[Why is time synchronization so important?]'. The 'NTP-Server' field is set to 'time.nist.gov'. At the bottom, there are 'Back' and 'Next' buttons.

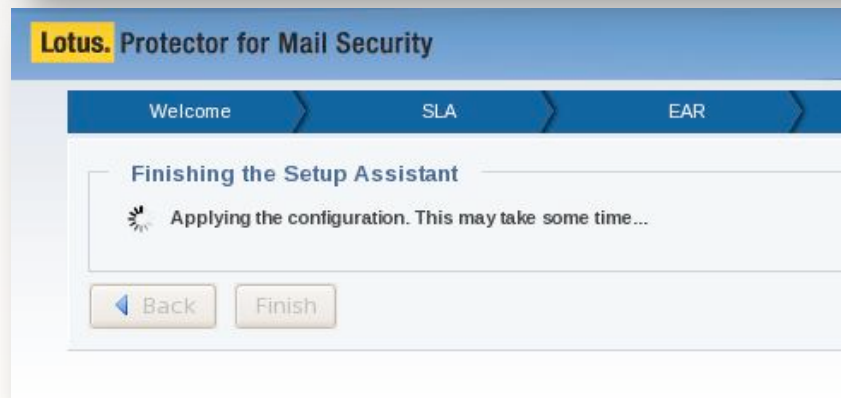
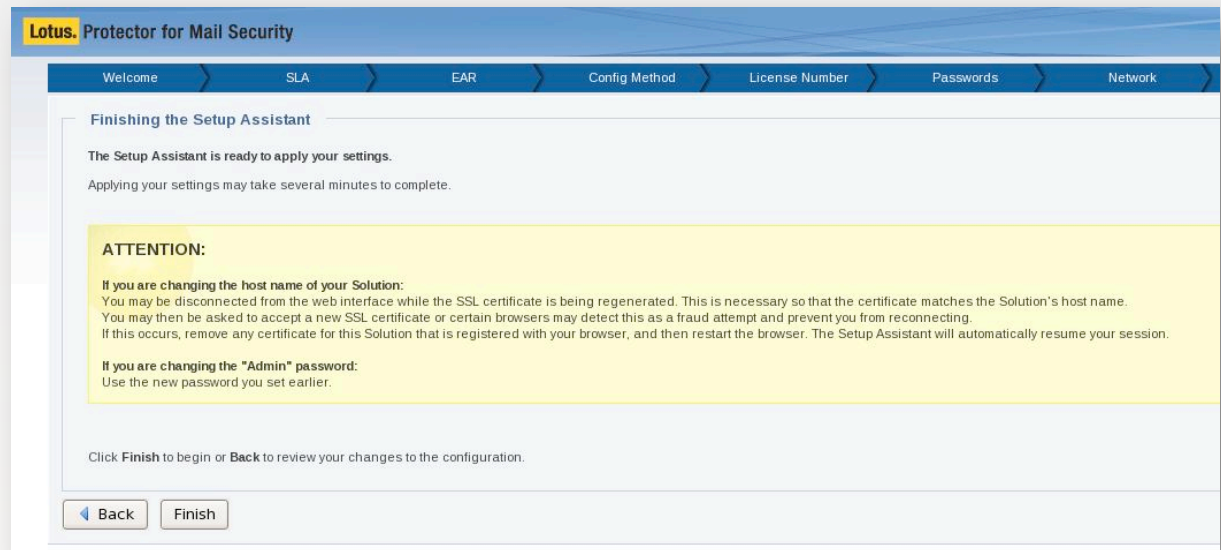


Your Logo

Lotus Protector: Installation

Finish and save ...

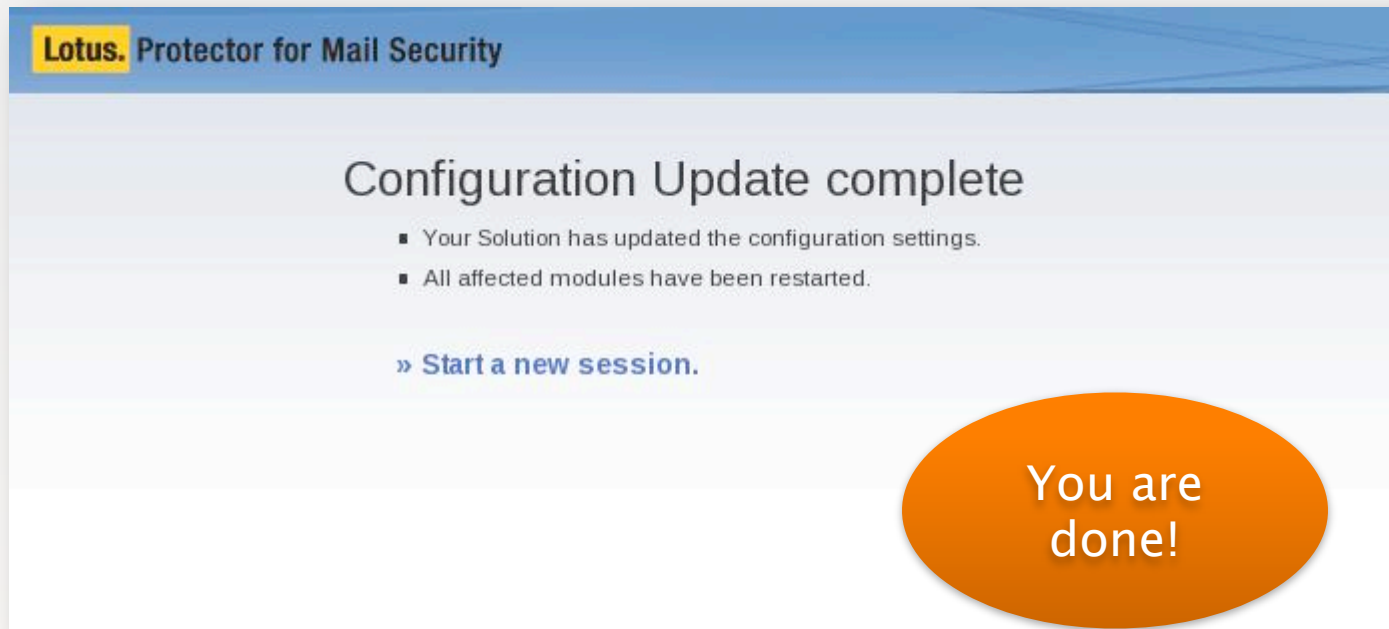
Click [Finish] to
finalize the process
with the setup
assistant



logo

Lotus Protector: Installation

Initial Configuration is DONE!

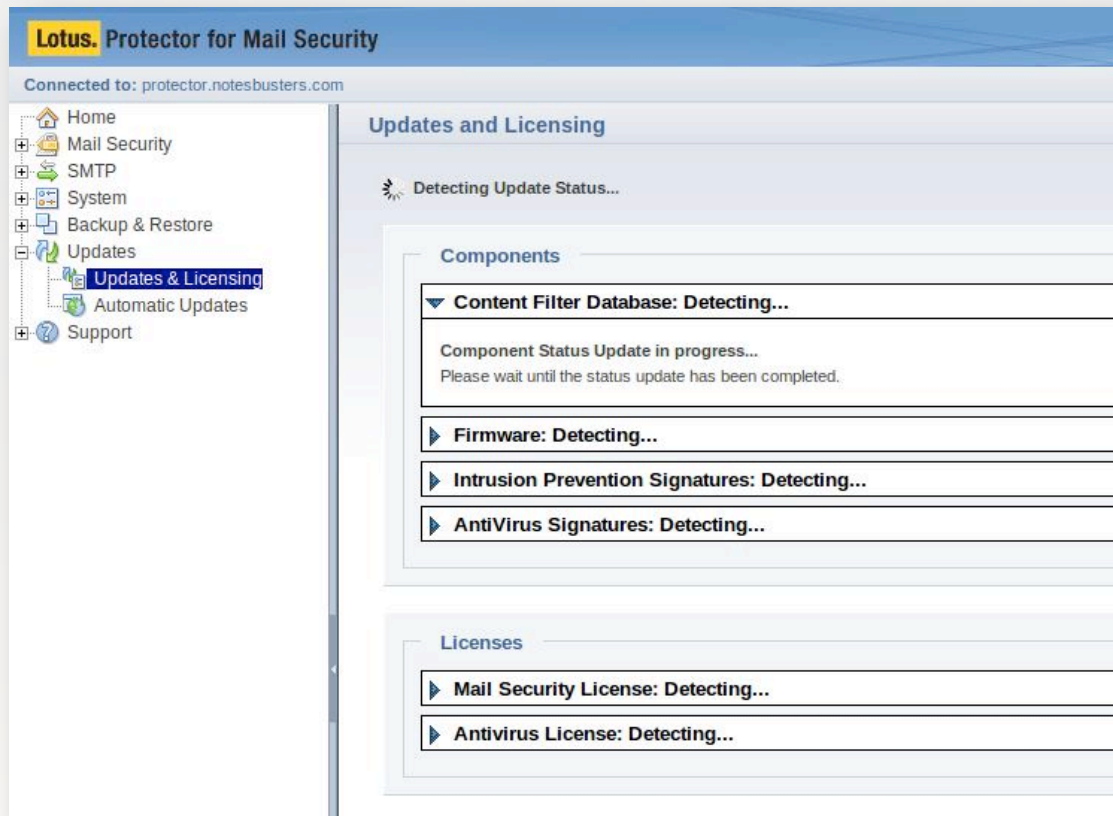


Your Logo

Lotus Protector: Installation

First things first – update the

Go to [Updates & Licensing] to download the latest updates for your device – play it safe and don't relay any mail through it until it has updated!



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Lotus Protector: Installation

Check if it works ...



Follow the Admin guide on how to test if your Protector is relaying mail correctly

- Follow the [Getting Started Guide] (on p. 28) – it is a great way to learn how to configure your new Protector:
 - Configure a client to relay SMTP mail through the Protector
 - Configure the Protector to allow that IP to relay
 - Send mail to an internal account and one to an internet mail – if they make it you are golden
 - Test a security Policy: have it scan for specific words in a subject, send mail with that subject and verify if it is being processed



Lotus Protector
Documentation:
[http://is.gd/
eLRaa](http://is.gd/eLRaa)

Lotus Protector: Installation

Other Configuration Options

- SMTP Service Settings (inbound, outbound) for retry options, mail delays, undeliverable mail options, etc.
- Transport Layer Security (TLS)
- Spam/Virus settings (ZLA, host reputation filters, etc.)
- Mail policy rules
- LDAP directories – Server settings
- Mail storage and quarantine settings
- Intrusion Prevention settings



Your Logo



Lotus Protector: Backups

System Back-ups vs. Configuration Snapshots

System Back-ups

1

A system back-up is a complete snapshot of the entire system, including the operation system. You can only have ONE system back-up at any time.

The existing system back-up that comes with the installation will restore the system back to it's original installation – Should you make a mistake in your first setup this will bring you back to a clean slate. Once you create a system back-up you will overwrite this original back-up.

Configuration Snapshots

2

The configuration snapshots are back-ups of the configuration of the Lotus Protector box (mail, SMTP, LDAP, policies, etc.).

You can have as many snapshots as you like and you can download them to your PC do save them in a outside of the Lotus Protector box

You should take snapshots every time you are about to make configuration changes and right after you have made changes to be able to restore to earlier settings.

When running on
VMWare you also
have the additional
option to use
VMWare snapshots

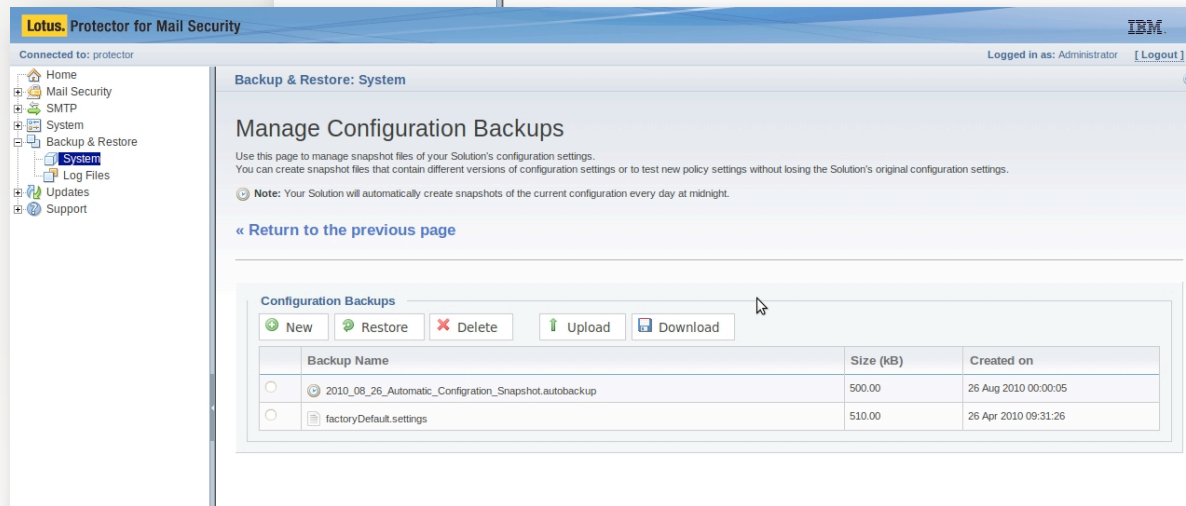
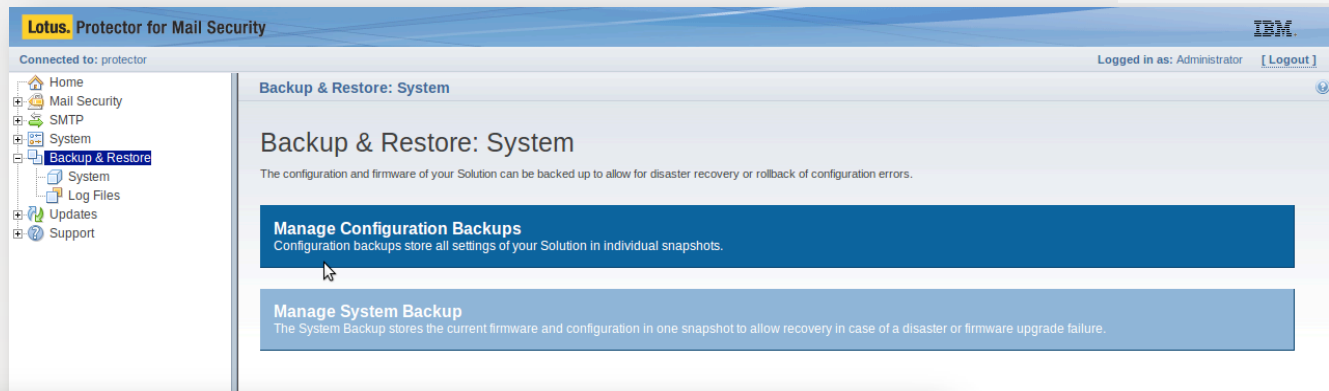


Your Logo



Lotus Protector: Back-ups

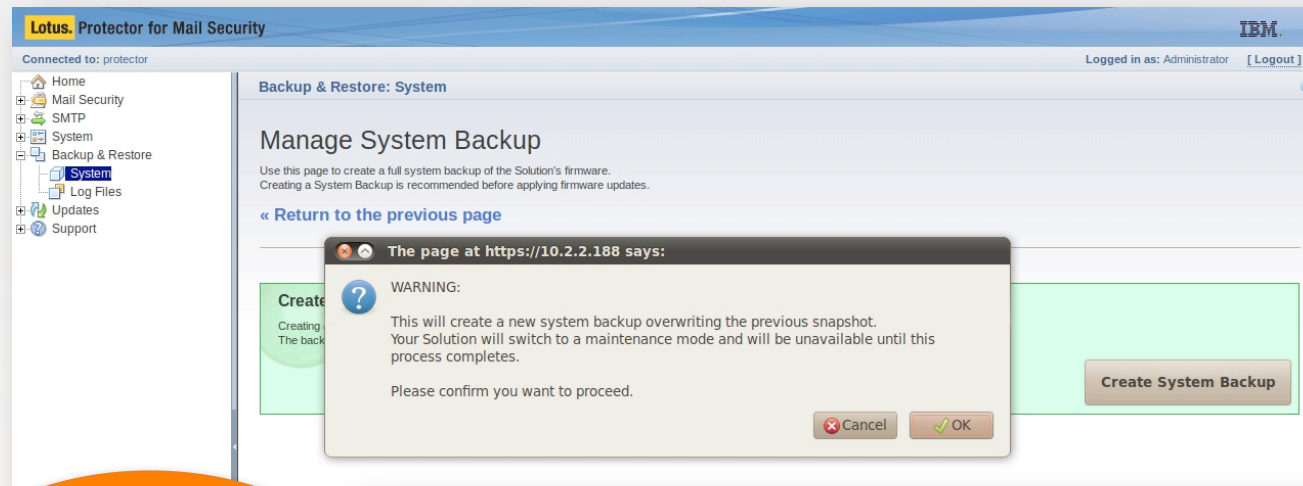
Continued . . .



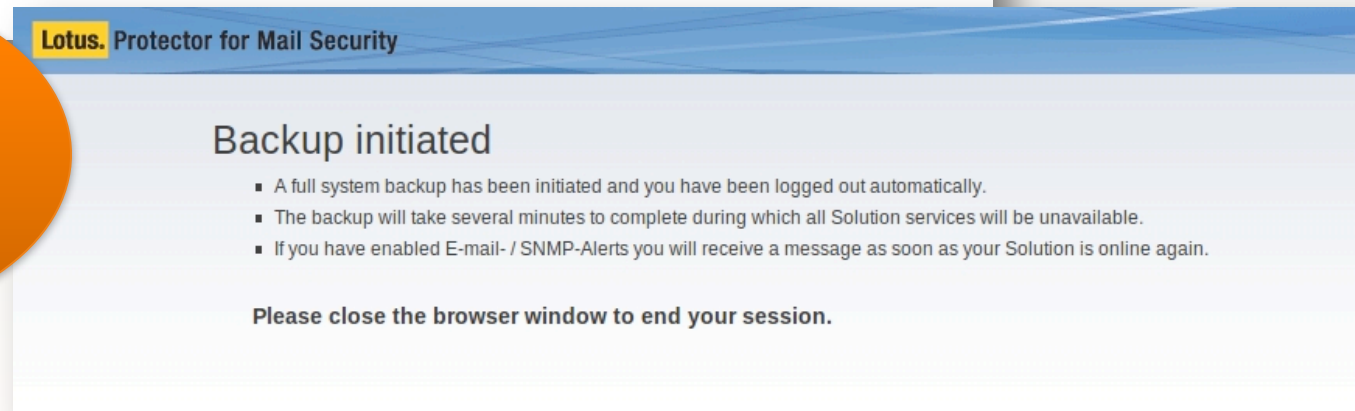
Your Logo

Lotus Protector: Back-ups

Continued . . .



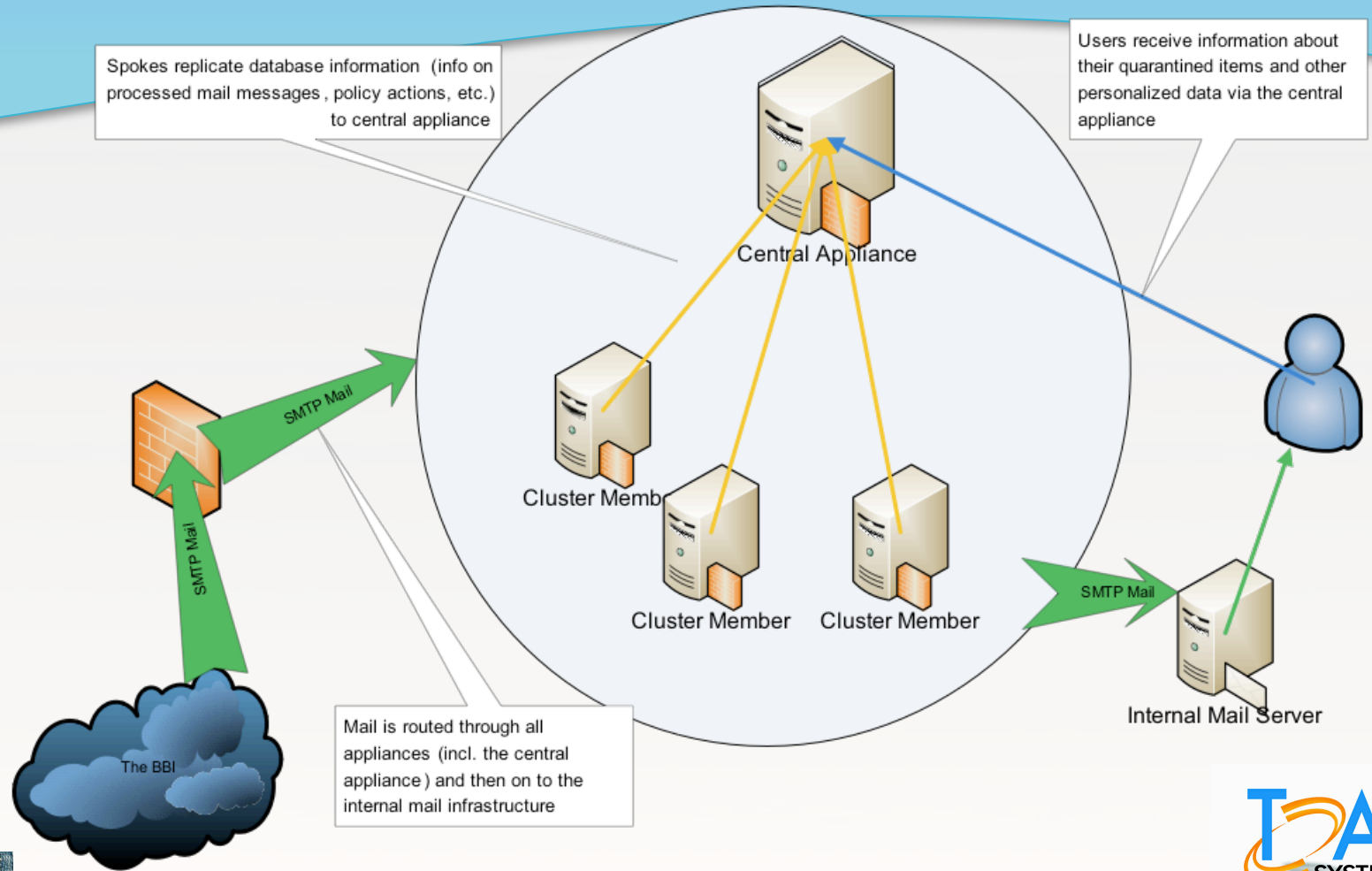
Lotus Protector
will be
unavailable
during the full
system back-
up!



Your Logo

Lotus Protector: Clustering

Setup and Configuration Explained



Your Logo



Lotus Protector: Clustering

Continued . . .



- When you add a LPMS server to a cluster it loses all of its existing Data
- The first LPMS that you add to a cluster becomes the central appliance that all other servers will pull their configuration from
- Cluster mates must be able to communicate via ports 5432 (database access) and port 4990 (cluster communication) with each other
- Users interact only with the central device



Your Logo

Lotus Protector: Clustering

Continued . . .



- A cluster member communicates all data about the mail it processed to the central appliance, but does not actually copy or move that mail (quarantined, waiting, queued, etc.) to it.
- Cluster members receive all their configuration settings from the central appliance
- When creating a cluster you will need to decide a passphrase which is used to add and remove members later. Do not forget that passphrase, it cannot be retrieved later



Your Logo

Lotus Protector: Clustering

Continued . . .

This screenshot shows the 'Clustering' page in the 'Lotus Protector for Mail Security' web interface. The left sidebar contains a navigation tree with categories like Home, Mail Security, Policy, SMTP, System, and System Tools. The main content area is titled 'Clustering' and 'Standalone Mode'. It explains that the solution is currently not part of a cluster and provides two options: 'Create a New Cluster' and 'Join an Existing Cluster'. The 'Create a New Cluster' section includes a description and a link to the configuration page. The 'Join an Existing Cluster' section also includes a description and a link to the configuration page.

Create a new cluster and enter the new passphrase

This screenshot shows the 'Create a New Cluster' page in the 'Lotus Protector for Mail Security' web interface. The left sidebar is identical to the previous screenshot. The main content area is titled 'Clustering' and 'Create a New Cluster'. It provides instructions on how to create a new cluster and lists 'Preceding tasks' such as enabling time synchronization and opening firewall ports. The 'New Cluster Settings' section includes fields for 'Passphrase' and 'Confirm Passphrase', a 'Warning' message, and a 'Communication IP' dropdown menu. An 'Attention' box at the bottom warns that the solution will lose all data when creating a new cluster. A 'Create cluster' button is located at the bottom right.



Lotus Protector: Clustering

Continued . . .

The screenshot shows the 'Lotus Protector for Mail Security' web interface. The left sidebar contains a tree view with categories like Home, Mail Security, Policy, and SMTP. The main content area is titled 'Clustering' and 'Create a New Cluster'. A modal dialog box is displayed in the center with the title 'The page at https://10.2.2.188 says:' and the message 'ATTENTION: The Solution loses all data (including e-mails) when it joins a cluster. Please confirm that you want to proceed.' with 'Cancel' and 'OK' buttons. Below the dialog, the 'New Cluster' form is visible, including fields for 'Passphrase' and 'Confirm Passphrase', a 'Warning' message, and a 'Communication IP' dropdown set to '10.2.2.188'. At the bottom, an 'Attention' banner states: 'The Solution loses all data (including e-mails) when creating a new cluster. You will not be able to access services on the Solution until the process for creating a new cluster is finished.' A 'Create cluster' button is at the bottom right.

Once you click
OK all your
previous mail is
lost

The screenshot shows the 'Creating a new Cluster' progress screen. It features a progress bar and a status message: 'Processing pending operation. Please stand by...'. Below this is a table with two columns: 'Date' and 'Message'.

Date	Message
2010-08-27 11:11:07	Create Cluster has been called, this instance will now invoke a restart.



Your Logo

Lotus Protector: Clustering

Continued . . .

The screenshot shows the Lotus Protector for Mail Security web interface. The left sidebar contains a navigation menu with links to Home, Mail Security, SMTP, System, Backup & Restore, Updates, and Support. The main content area is titled 'Home' and features a status bar with several indicators: [G] Protection, [G] Clustering, [G] Traffic, [G] Resources, [W] Updates (!), and [G] System. Below this is a 'Go to...' dropdown and a 'Refresh Data: Auto Off' button. The 'Cluster Status' section is expanded, showing a green bar for '10.2.2.188 (Cluster Central, This Machine) - Good'. Underneath, there are three assessment tables:

Analysis Status Assessment - Good

Database Writer Queue	0	Level not yet changed
-----------------------	---	-----------------------

Replication Health Assessment - Good

Replication Overdue	0 % (59 seconds)	2010-08-27 11:37:06.000
Central To Local Replication Overdue	0 % (0 seconds)	2010-08-27 11:37:06.000
Local To Central Replication Overdue	0 % (0 seconds)	2010-08-27 11:37:06.000
Database Connection Error	0	2010-08-27 11:32:05.000
System Clock Deviation	0 seconds	2010-08-27 11:33:55.000
Schema Version Conflict	0	2010-08-27 11:33:55.000
Cluster Configuration Mismatch	0	2010-08-27 11:32:05.000

SMTP Status Assessment - Good

Analysis Queue Rating	0 %	2010-08-27 11:32:11.000
Resource Shortage	0	Level not yet changed
Message Tracking Queue	0	Level not yet changed
IPC Queue Rating	0	Level not yet changed
Send Queue Rating	0 %	2010-08-27 11:34:06.000

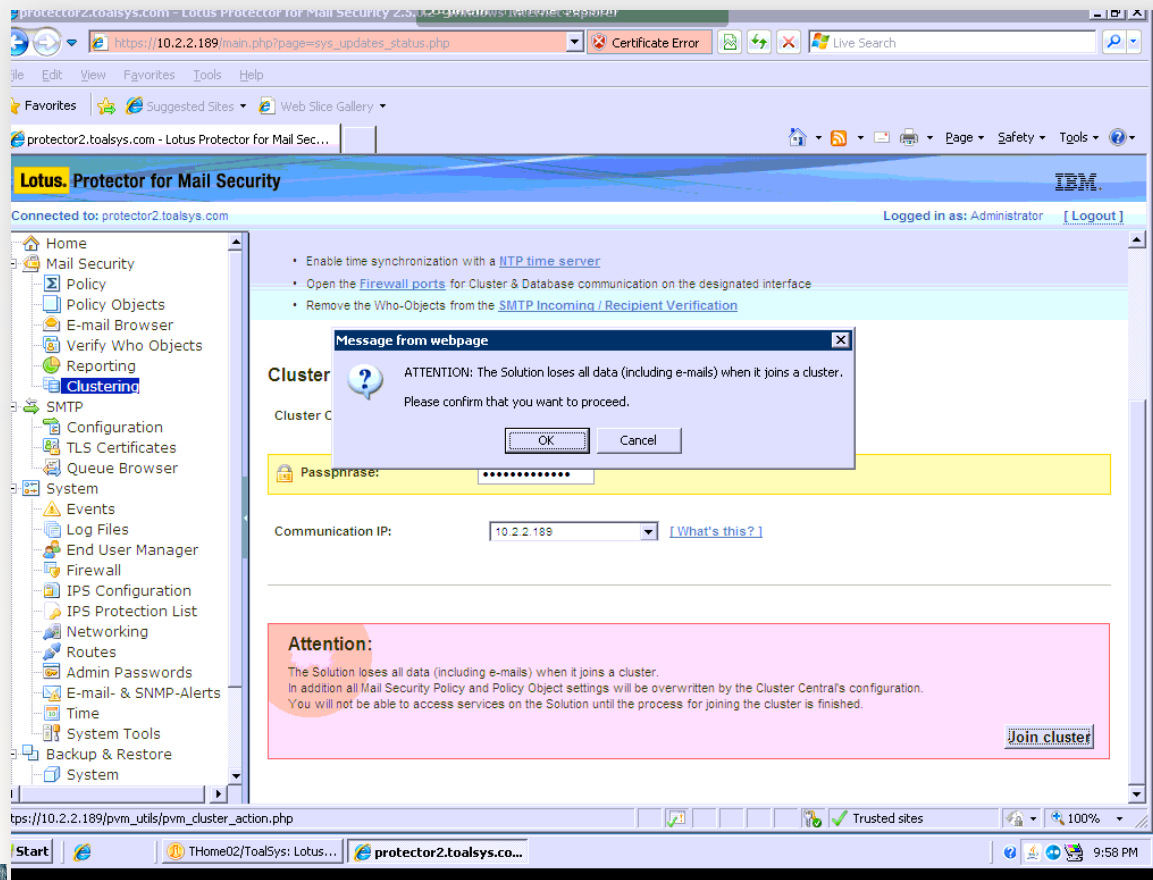
Once you have created a cluster, there is then a new tab with cluster specific stats available on the home screen



Your Logo

Lotus Protector: Clustering

Continued . . .



Now you are
ready to add
cluster members
to the mix



Your Logo

Lotus Protector: Domino Integration

Some info . . .

- Users on Lotus can directly interact with their data on the LPMS appliance
- Users can browse their blocked/quarantined mail messages, manage their back/white lists and manage their daily quarantine report
- LSPS requires LDAP and a Notes client (and mail file template) ≥8.5.1



Your Logo

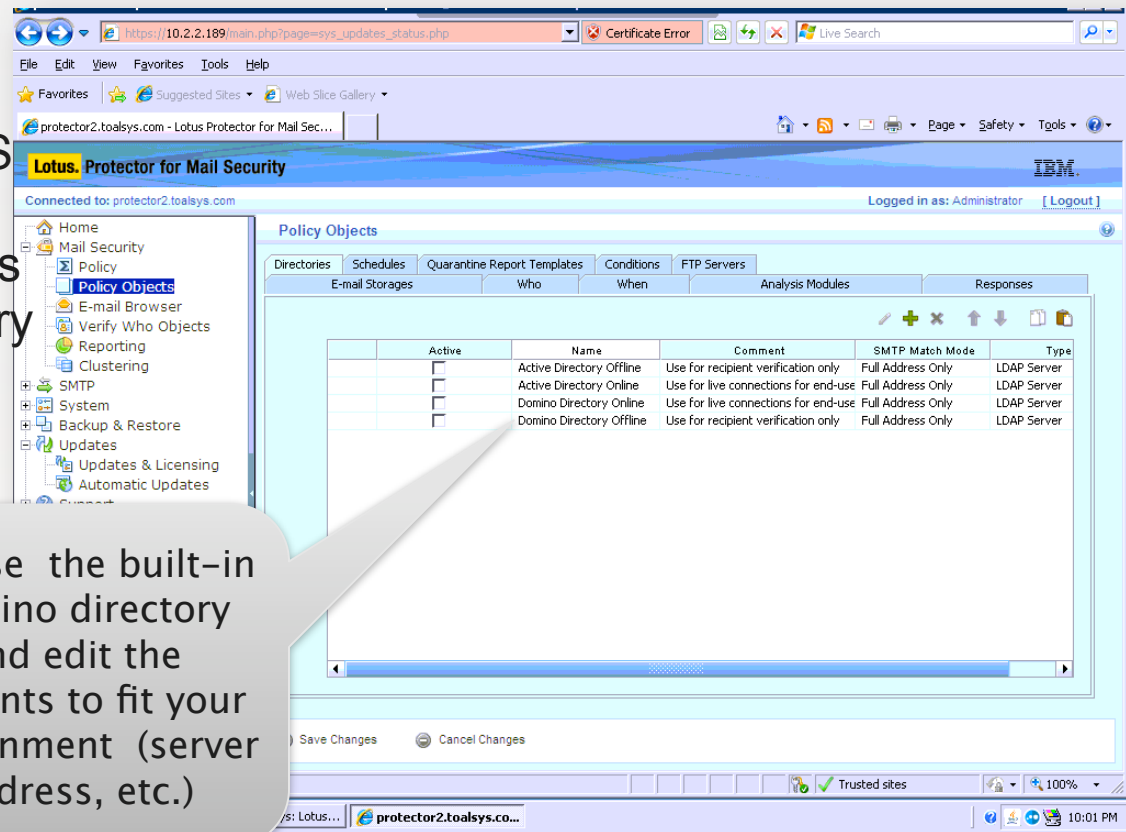


Domino integration

Continued . . .

First setup LPMS
to use your
Domino server as
an LDAP directory

Choose the built-in
Domino directory
and edit the
contents to fit your
environment (server
address, etc.)

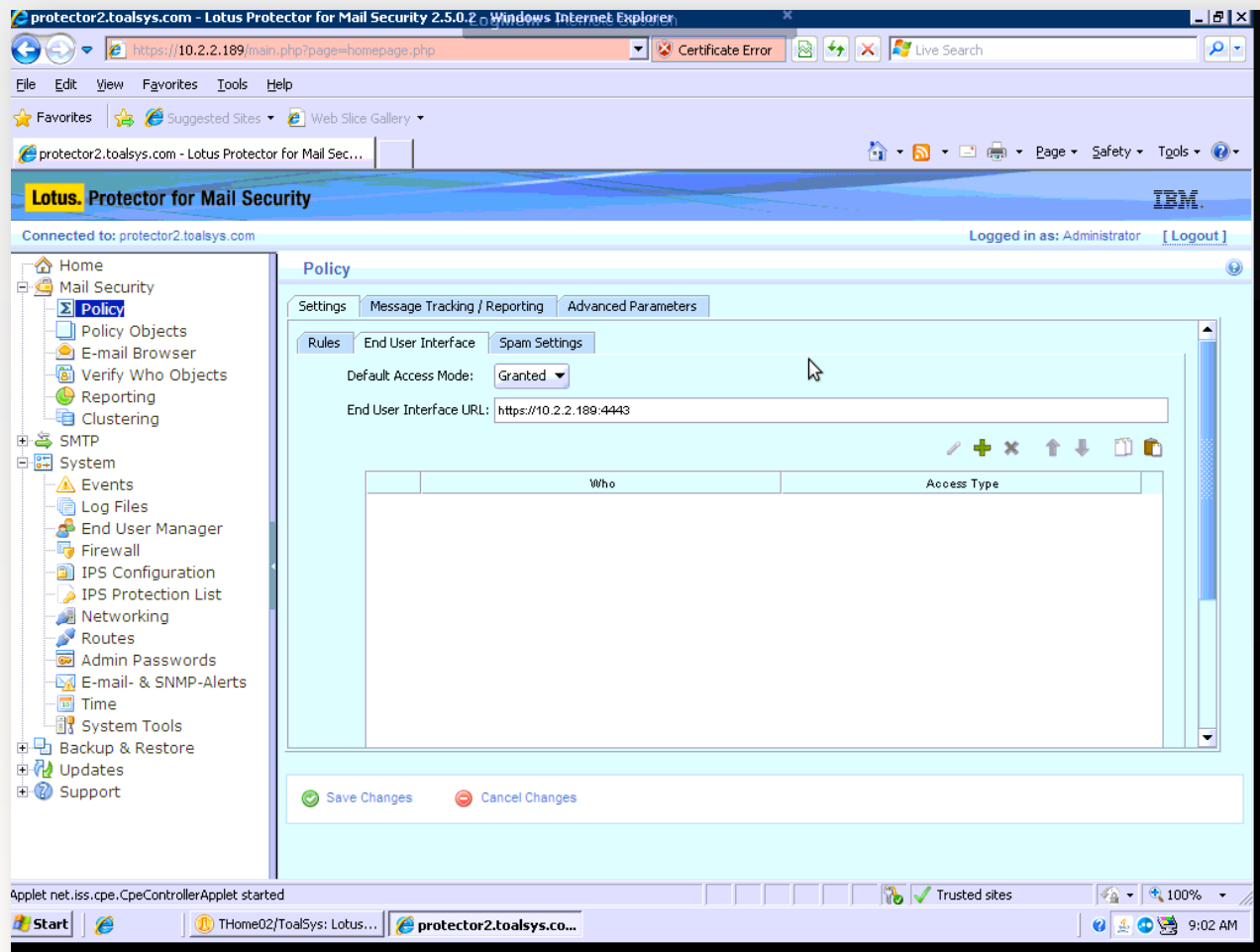


Your Logo

Domino integration

Continued . . .

Enable end
user access
to data via
the [End
User
Interface]
policy



Domino integration

Continued . . .

Enable port 4443
access on your
internal network
port (or any other
port you want to
use)

protector2.toolsys.com - Lotus Protector for Mail Security 2.5.0.2-4 - Windows Internet Explorer

https://10.2.2.189/main.php?page=sys_updates_status.php

File Edit View Favorites Tools Help

protector2.toolsys.com - Lotus Protector for Mail Sec...

Lotus. Protector for Mail Security IBM

Connected to: protector2.toolsys.com Logged in as: Administrator [Logout]

Firewall

Enable Protocols

Protocol	eth0	eth1	eth2	eth3
SSH (22)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
End User Access (4443)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SNMP (161)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Database Access (5432)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cluster Communication (4990)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ICMP Ping	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Save Changes Cancel Changes

Applet net.iss.cpe.CpeControllerApplet started

Start | THome02/ToalSys: Lotus... | protector2.toolsys.com... | 10:22 PM



Lotus Protector: Domino integration

Continued . . .



- Create (or edit and existing) Desktop policy that specifies the notes.ini variable [\$Protector_Location]

Format:

\$Protector_Location=protector.notesbusters.com:4443

Or

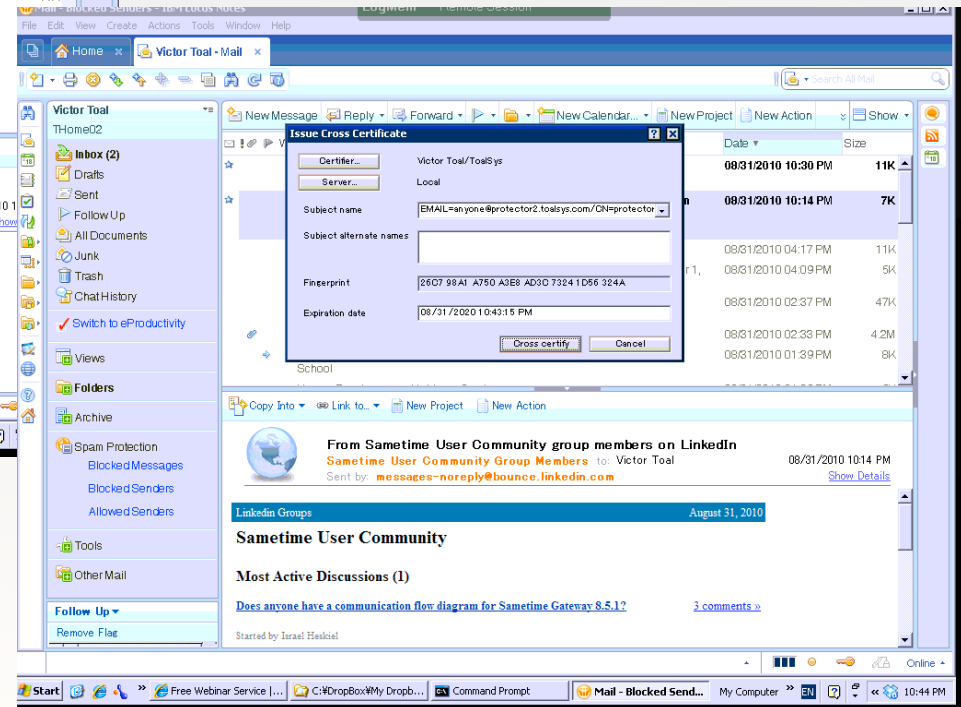
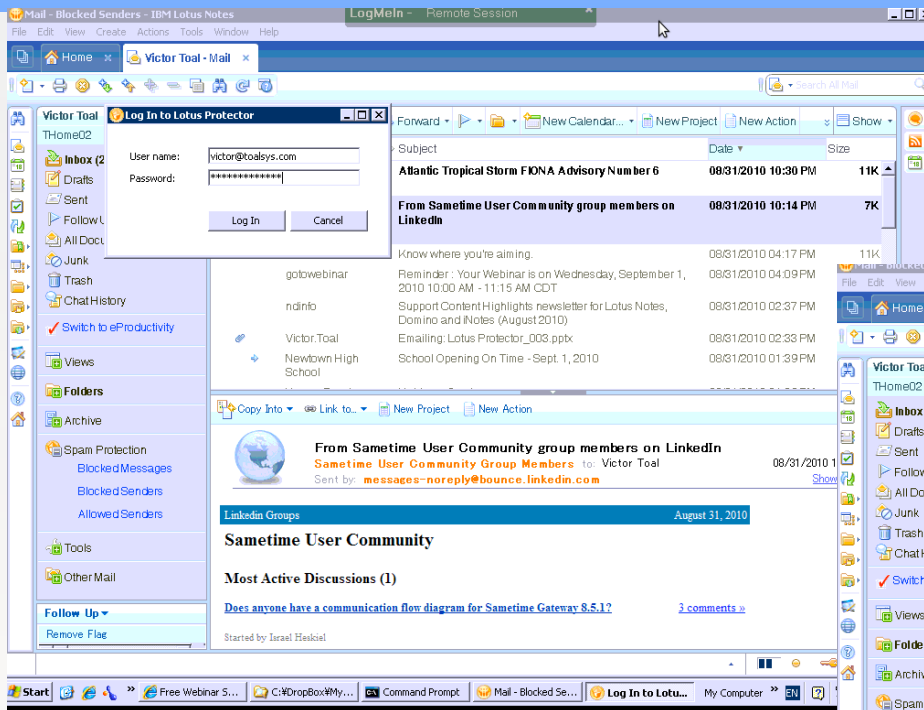
\$Protector_Location=10.2.2.188:4443



Your Logo

Domino integration

Continued . . .

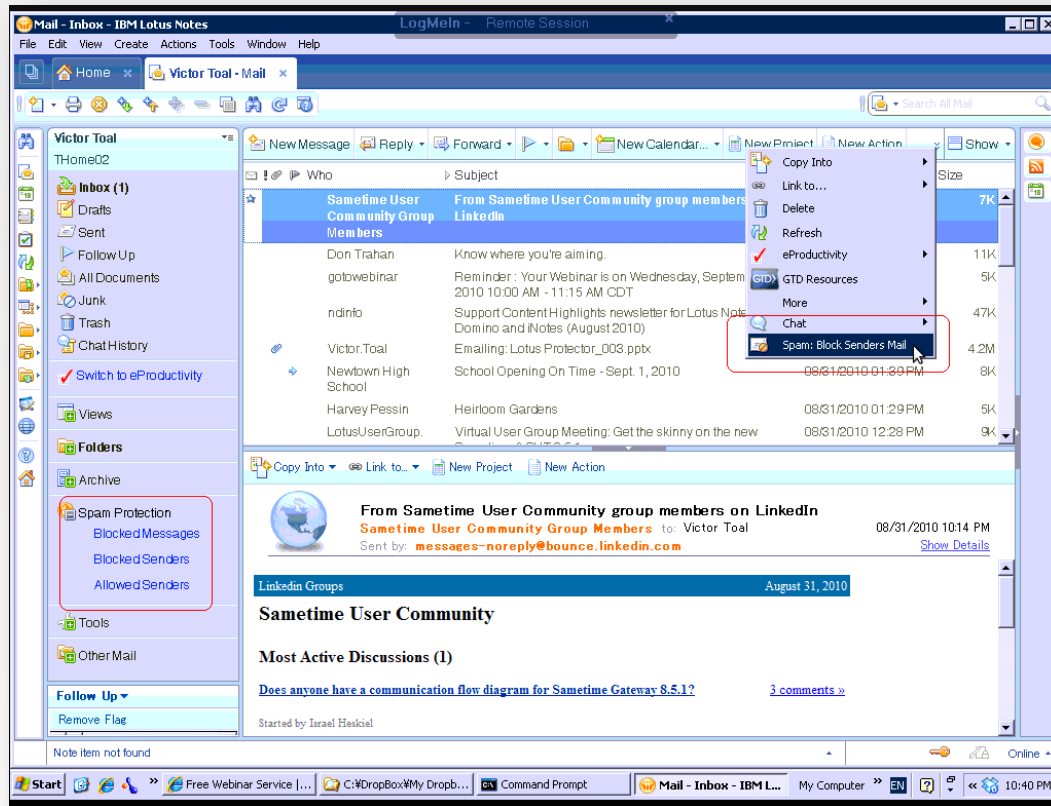


TOAL Logo

Domino integration

Continued . . .

After adding
the notes.ini
variable the
Protector
specific
features are
available in the
mail file



Your Logo

Lotus Protector:Resources

- Protector WIKI: <http://tiny.cc/sd7vs>
- Protector Homepage: <http://tiny.cc/5dst1>
- Protector Documentation: <http://tiny.cc/wtud5>
- Protector Support Forum: <http://tiny.cc/b6r6l>



Your Logo



THANK YOU!

Any Questions?

Your Logo

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- My Website: <http://www.toalsys.com>
- My Blog: <http://notesbusters.com>



The Consultant in your Pocket webcast series: find us at <http://consultantinyourpocket.com>