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Securing Digital Communications

# Cloud Email Firewall

Maximum email availability and protection against phishing and existing threats

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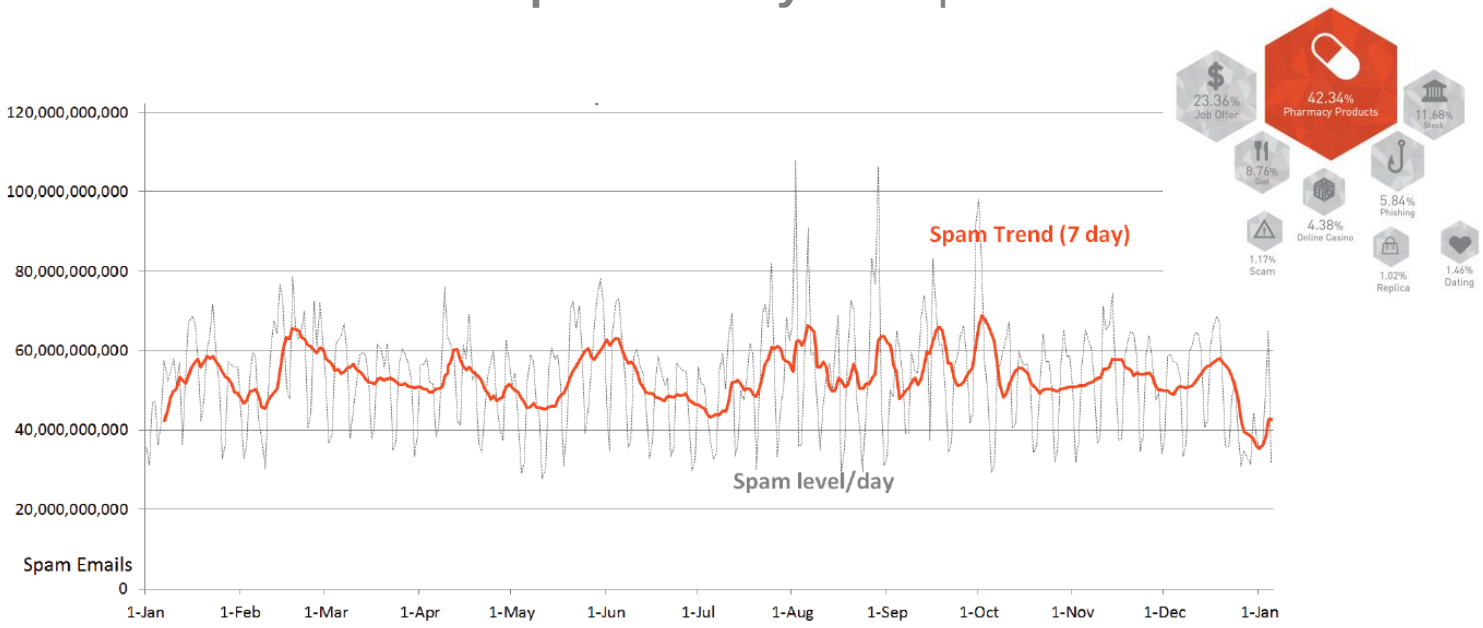
# CLOUD EMAIL FIREWALL

## Email Security & Market Context

- Spam Trends ongoing over the internet:

  An average of 50 billion (**50,000,000,000**) Spam emails are sent over the internet on a daily basis.

  This situation **decreases productivity** of corporations.



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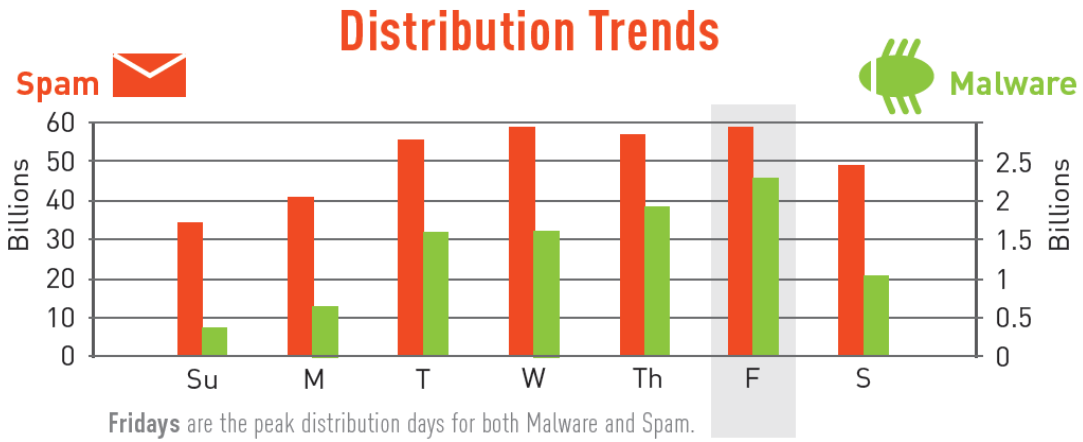
## Email Security & Market Context

- Malware and phishing trends over the internet:

  An average 2.25 billion (**2,500,000,000**) emails with malware attachments and 4.3 million (**4,300,000**) URLs with phishing links are distributed over the internet on a daily basis.




- Malware variants are now reaching new devices such as **Android smartphones**.

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## Email Security & Market Context

- Email is a **strategic tool** for organisations which should be protected.

- An email firewall makes it possible to reduce the **financial impact** of receiving Spam and other Malware as it permits optimizing the use of email-related technology infrastructures.

- The constant evolution of the techniques used by spammers requires the use of an email firewall that utilises **advanced filtering technologies** and that are **constantly being updated**.

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## What is Cloud Email Firewall?

- It's a multi-layered highly efficient security solution that will protect your business' email accounts while allows organizations to **administrate**, **control** and **manage** their email.
- Offering **maximum** email **availability** and **protection** against existing threats.

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## Benefits

### Email 99,9% threat and spam free

- 360º full perimeter email filtering security solution

### Email service availability

- Guaranteed mail delivery even when the customer mail service is unavailable
- Service provided from high availability carrier-class data centers
- Mail backup

### Ease of management

- Secure access to email from anywhere and any device (laptops, tablets or smartphones)
- Different management access profiles
- Easy management of both inbound and outbound email flow, helps companies with regulations compliance

### Data privacy

- Guaranteed data protection and privacy in compliance with EU regulations

### Integration with additional Spamina services

- Single unified management console for additional services such as Cloud Email Archiving, Cloud Email Encryption & DLP and Parla Mailbox.

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# CLOUD EMAIL FIREWALL

## Features

### Security

- **Multi-layered filtering** solution (connection, antivirus and content filters) both for inbound and outbound email traffic
- Proprietary **SFFv2** fingerprint based email filter
- Up to **3 antivirus / antimalware** and up to **4 content analysis engines**
- Up to 28 days spam **quarantine** service

### High Availability

- **Carrier-class** service offered from nodes located in data centers in the European Union, without single points of failure and with an always-on architecture
- **Multi-layer, scalable and fault-tolerant** cloud solution

### Business continuity

- Email always accessible via the emergency **webmail** interface
- Inbound **mail queuing** for 4 days in case the customer's mail server is unavailable
- Automatic inbound mail backup for up to 5 days

### Management

- Centralized (administrator) or end user quarantine management
- End user personal whitelists / blacklists
- Personalized reporting

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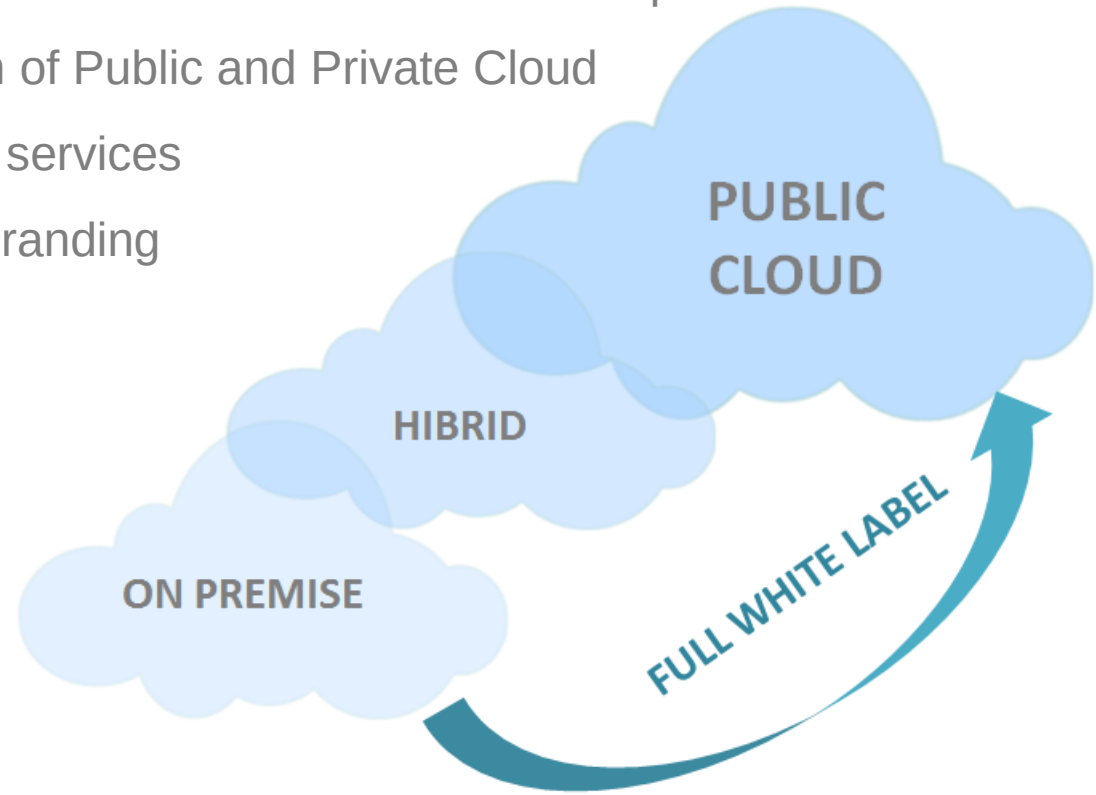
## Service Provision Modes

- **Public Cloud:** Service mode
- **Private Cloud:** Dedicated platform installed at customer's premises
- **Hybrid Cloud:** Combination of Public and Private Cloud
- **Full White Label:** Spamina services offered with final customer branding



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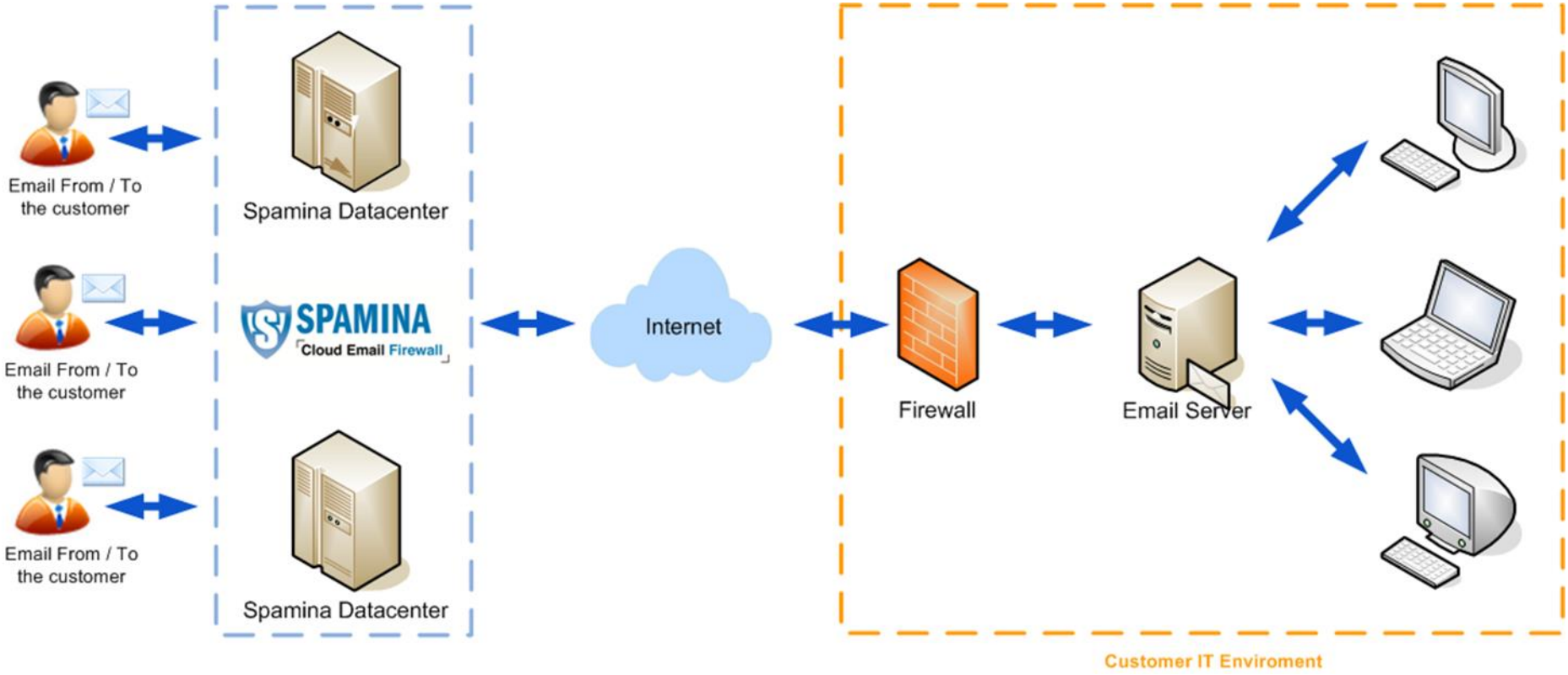
## Public Cloud (i)



# CLOUD EMAIL FIREWALL
## Public Cloud (ii)
## Includes Cloud Email Firewall features plus...

| Features | Benefits |
|---|---|
| Solution as a Service | Pay per use. Reduces costs, saves resources and requires minimal initial investment (no Capex) |
| Guaranteed scalability | Linear cost prediction, fully adaptable to your organization's present and future needs |
| 'Carrier-Class' service | Service provided from redundant data canters without any single points of failure. Always-On internal architecture. |
| Automatic updates | Email filtering technology always up-to-date. No more time or internal resources needed to update email filters. |
| Customizable Look & Feel | Spamina can offer the email filtering service keeping the corporate image of the final customer |
| Instant deployment | Immediate availability of the service |

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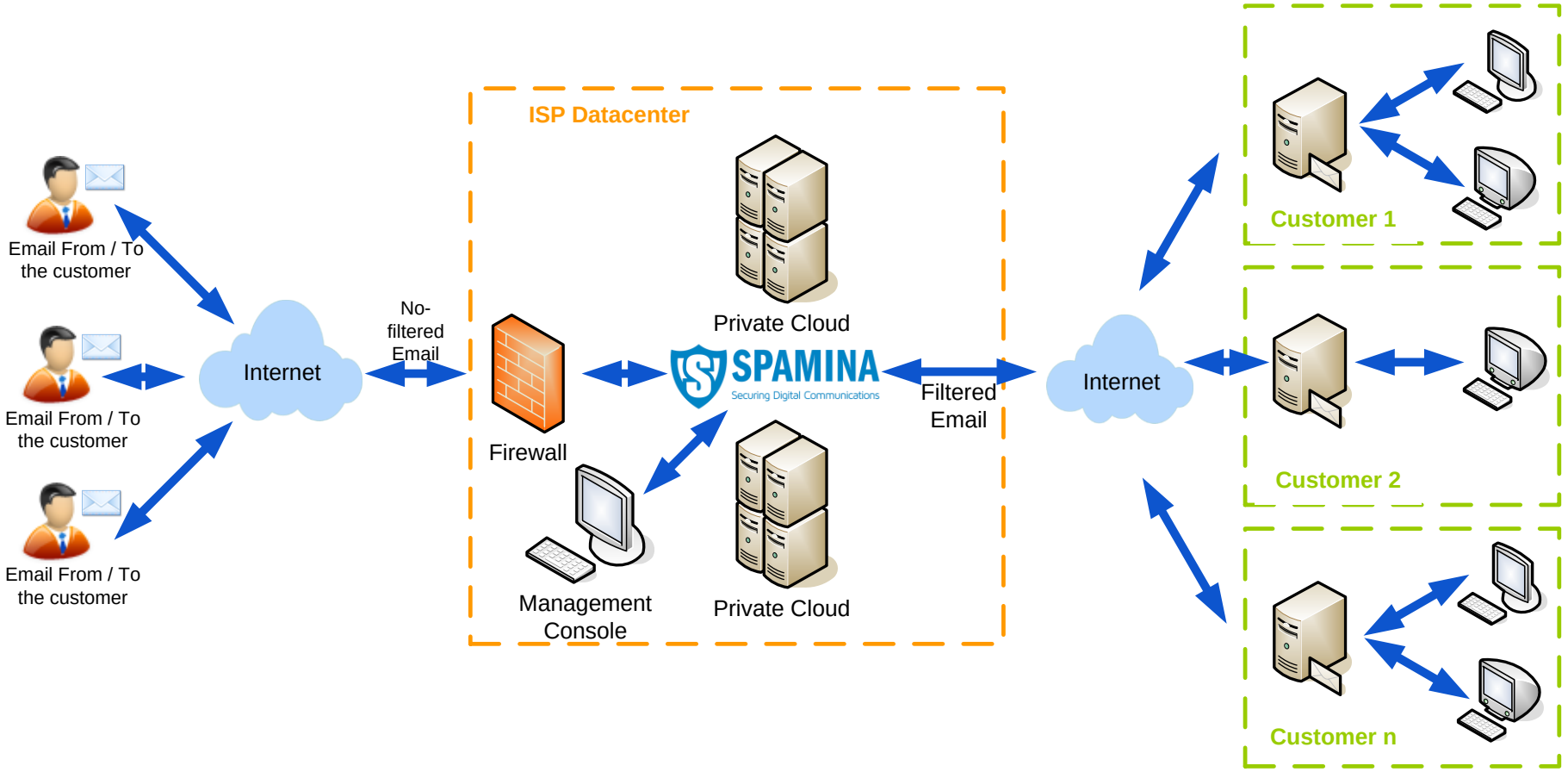
## Private Cloud (i)



# CLOUD EMAIL FIREWALL

## Private Cloud (ii)

## Includes Cloud Email Firewall features plus...

| Features | Benefits |
|---|---|
| Solution in appliance mode | Provides an email filtering solution for clients whose corporate policies prevent the adoption of the Public Cloud solution. |
| Multi-tenant platform | Allows offering your email filtering technology to large MSPs / ISPs |
| Customizable Look & Feel | Spamina can offer the email filtering service keeping the corporate image of the client |
| Installation on hardware and virtual environments. | Adaptable to the client's infrastructures. |

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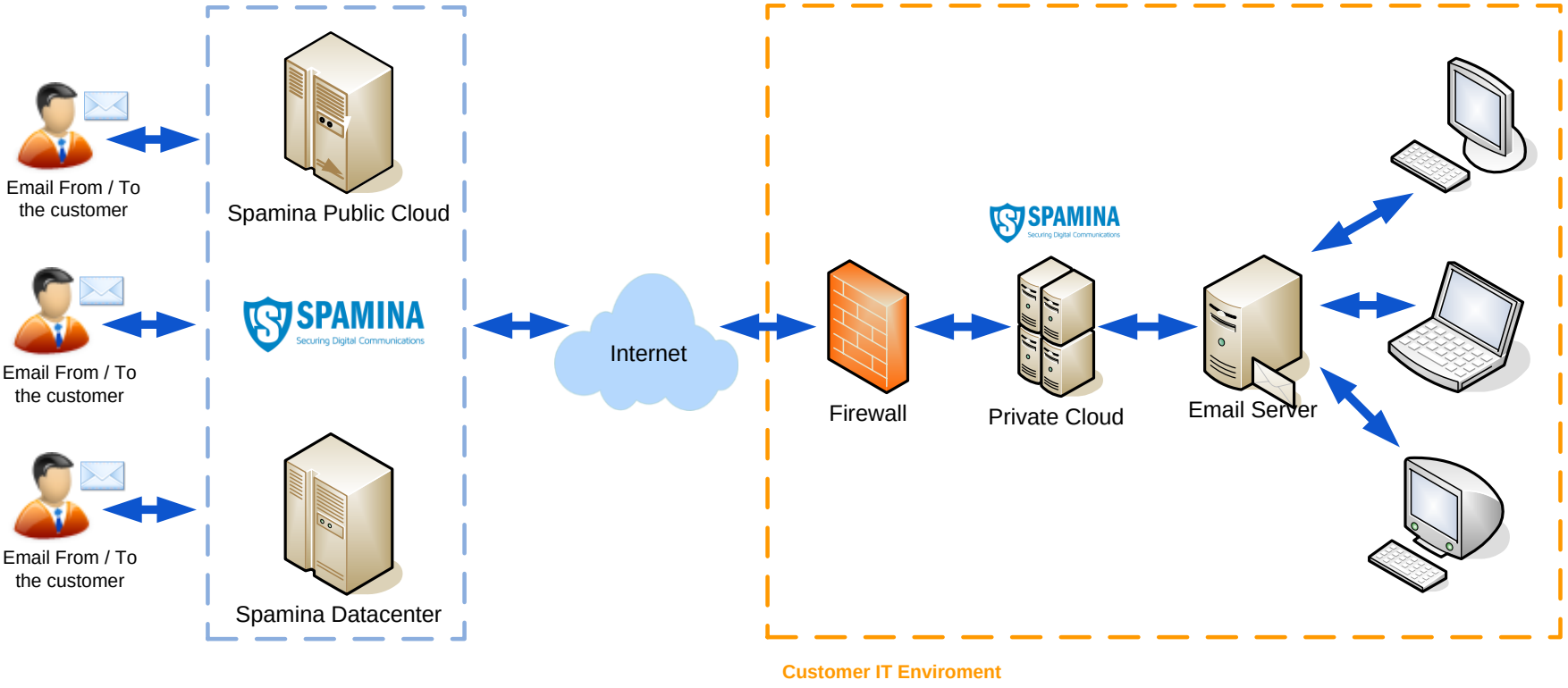
## Hybrid Cloud (i)



# CLOUD EMAIL FIREWALL

## Hybrid Cloud (ii)

## Includes Cloud Email Firewall features and also...

| Features | Benefits |
|---|---|
| A combination between Public and Private Cloud | Take advantage of the benefits of both service provision modes |
| | Load Balancing |
| | Efficient use of the private cloud resources |
| | Combination of the private platform services with other services available from Spamina's public cloud (CEA / CEE) |

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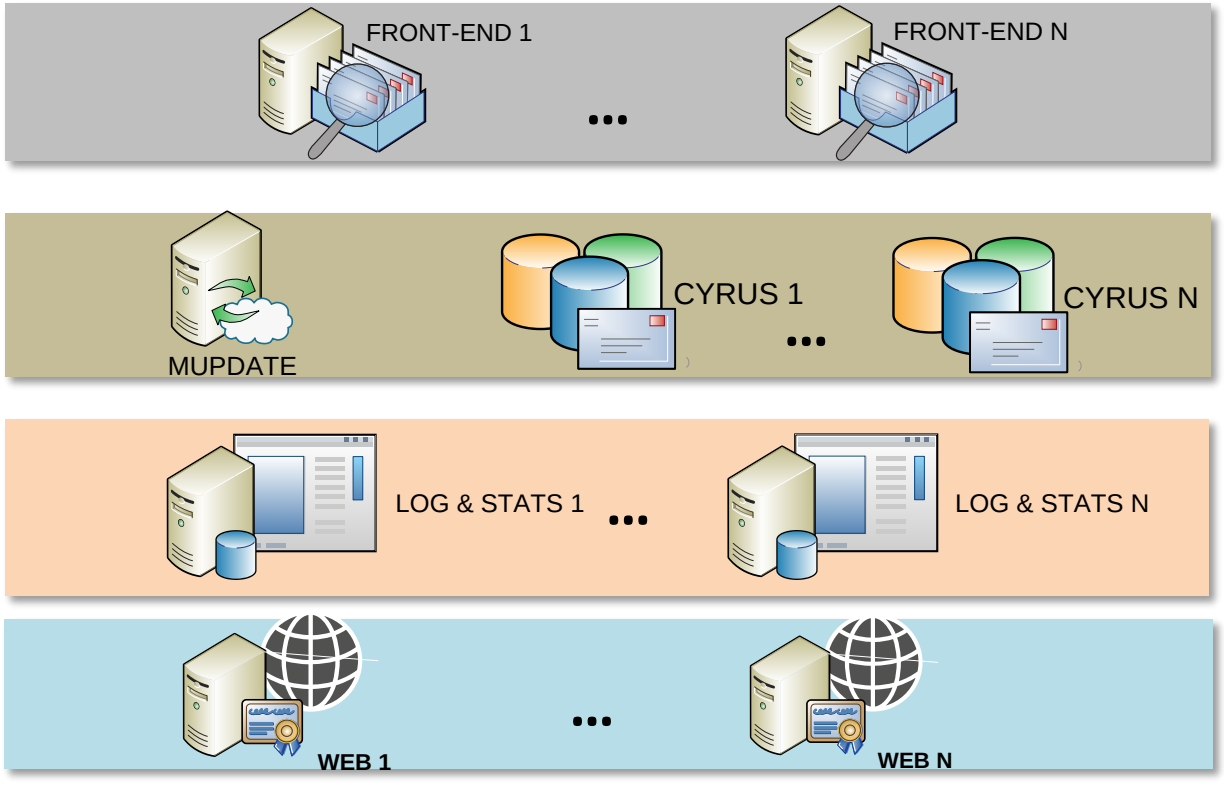
## SDA architecture (i)

### Multi-Layered solution:




Filtering Front-End layer

Mail storage layer

Logs & statistics management layer

Web Access layer

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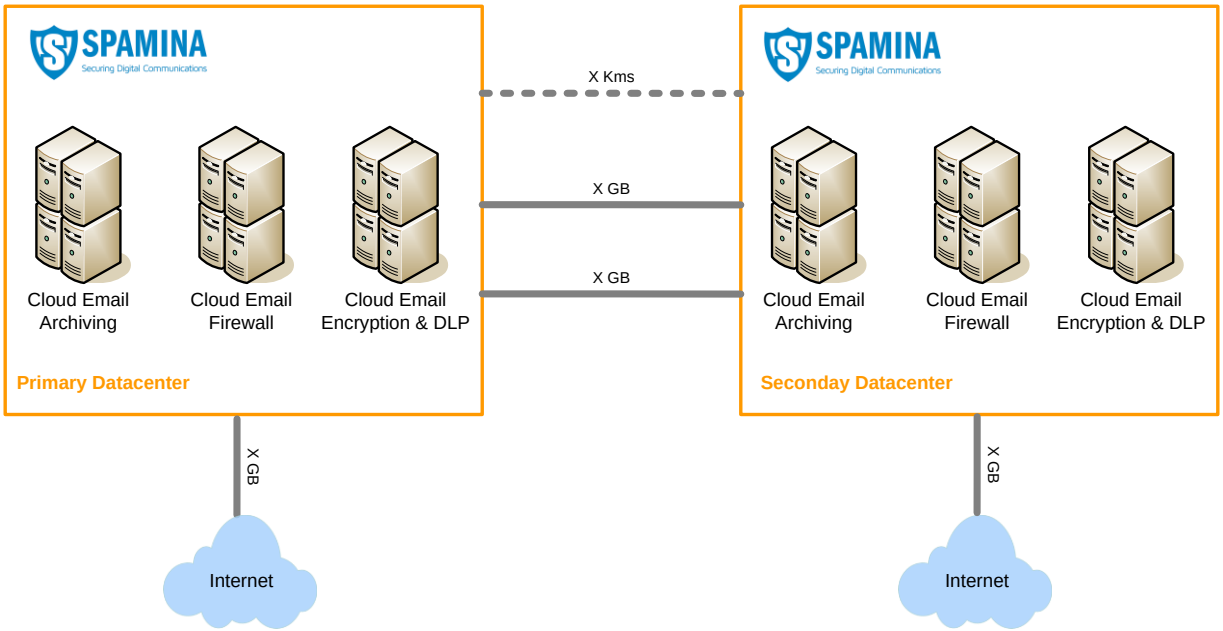
## SDA architecture (ii)

Multi-node distributed solution:




- Distribute the architecture in separate Datacenters.
- Load Balancing
- Active-Active filtering.
- Reduces Single Points of Failure (SPF)

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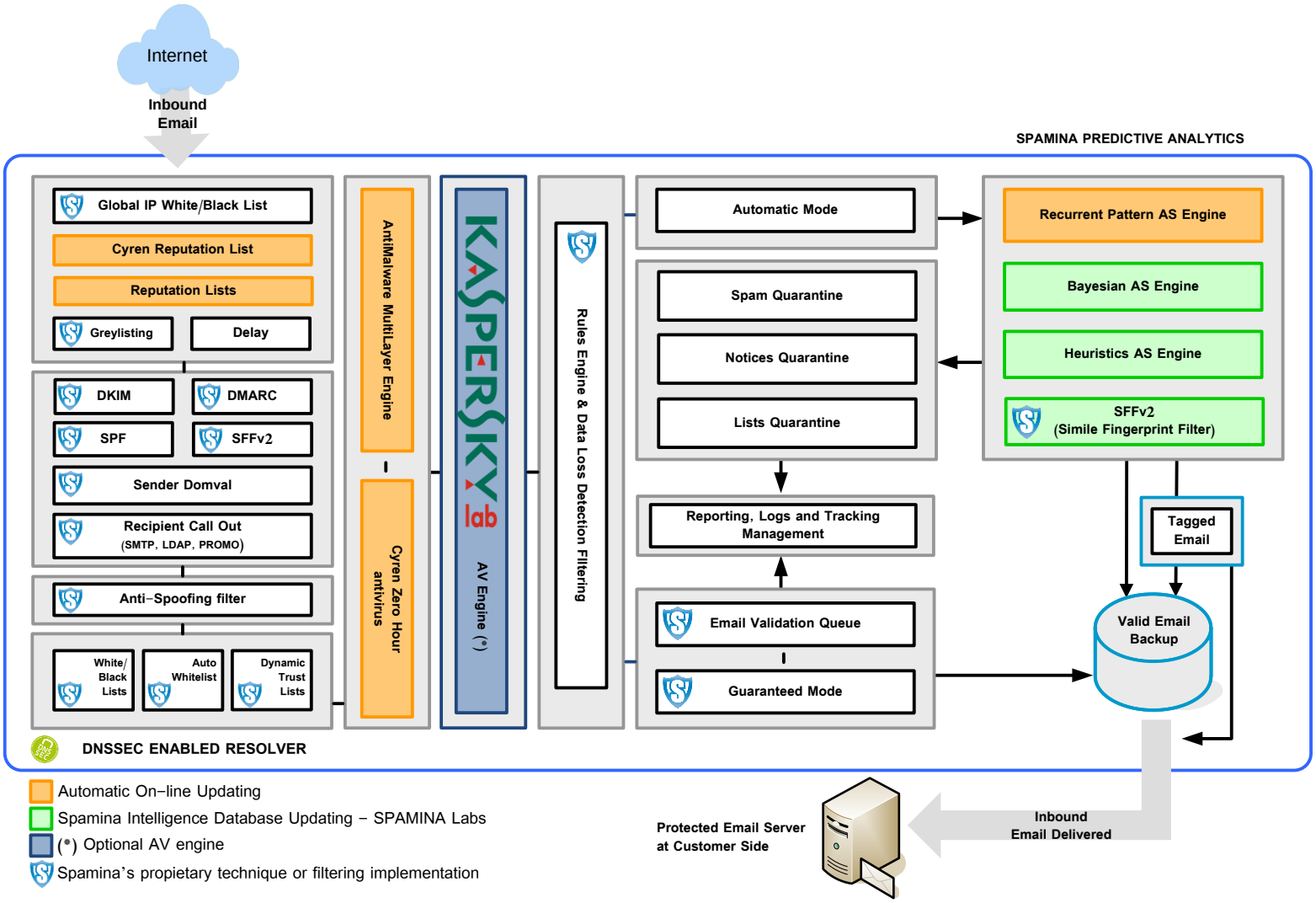
## Inbound multi-layer filtering



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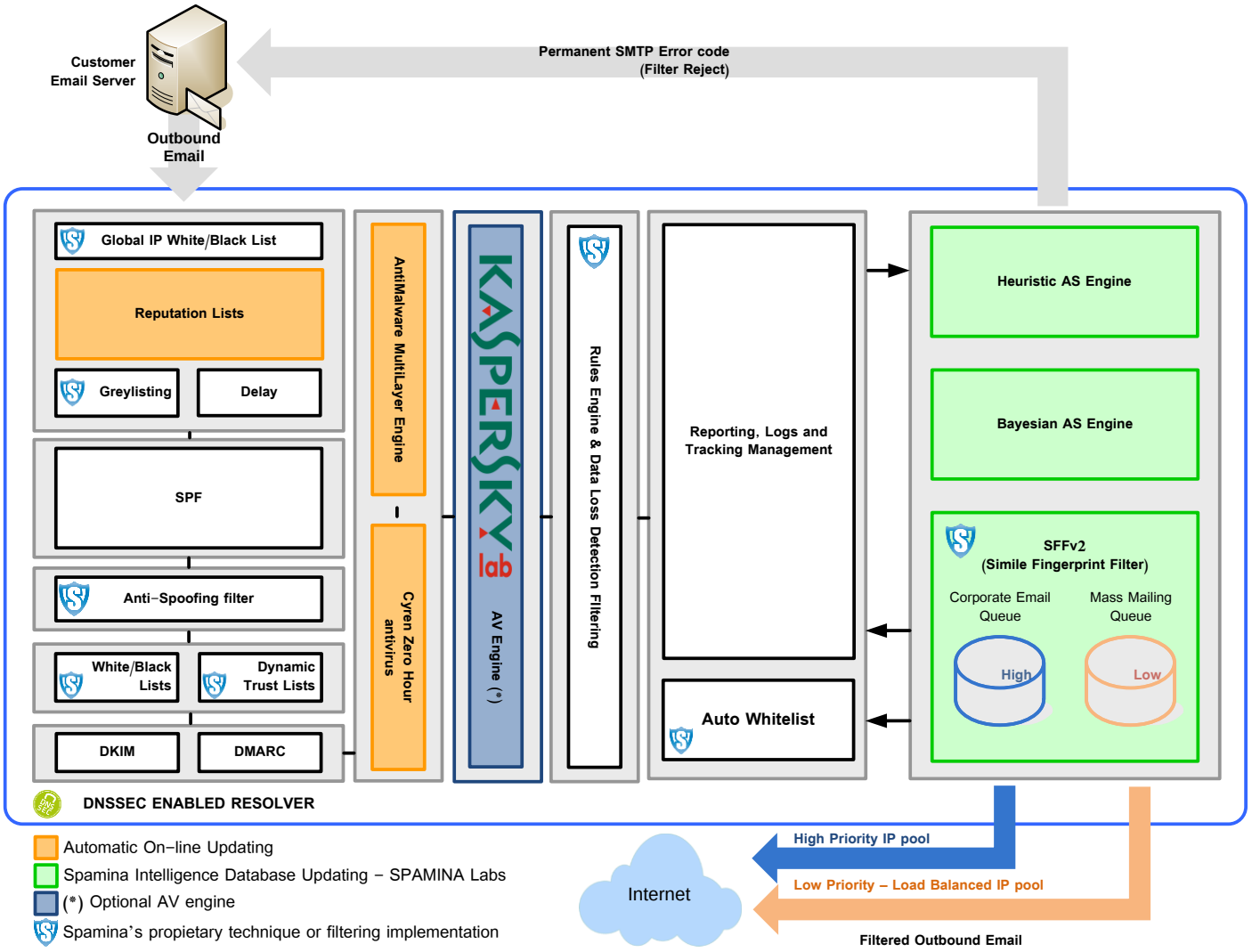
## Outbound multi-layer filtering



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## Key selling points

### Licensing model

- Inbound email filtering
- Outbound email filtering
- Antivirus / antimalware filtering with 2 engines (+ 1 Optional)
- Business continuity
  - Inbound email backup
  - Email spooling up to 4 days
  - Emergency webmail access
- 5 free aliases for each licensed mailbox

**All features included in a standard license**
**NO ADDITIONAL COSTS**

### Deployment

- Deployment in 3 easy steps
  1st – Basic account configuration (domain + end users)
  2nd – DNS MX record migration
  3rd – Outbound email configuration (Smart Host)

### Platform Usage

- Ease of use
  - Intuitive Admin/User consoles
  - Console layout and usability optimized for better user experience

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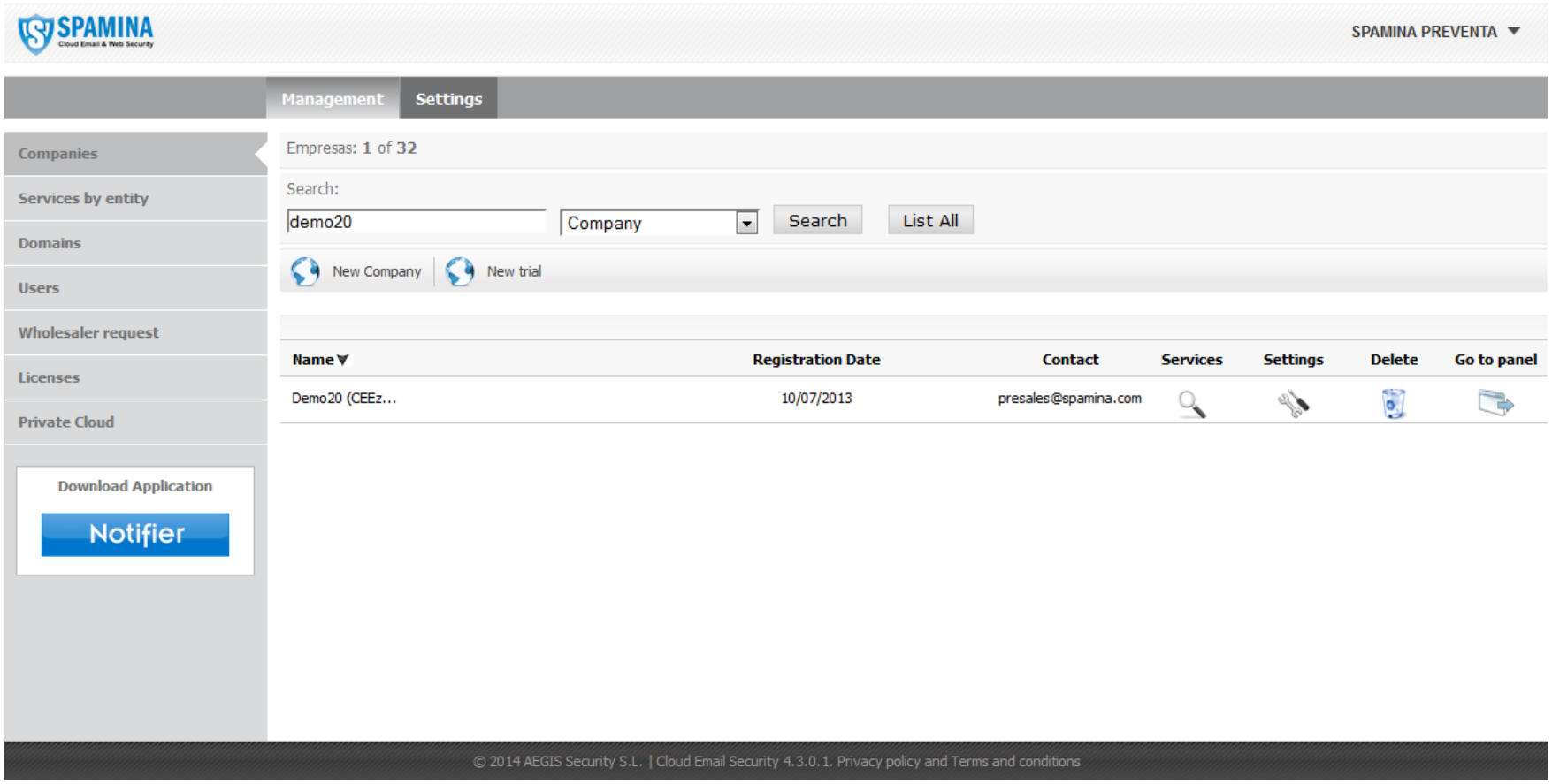
## Distributor Console Demo




**Distributor console:** Our reseller network can use the distributor console add new customers, manage existing customers or enable fully functional trial accounts for current prospects.

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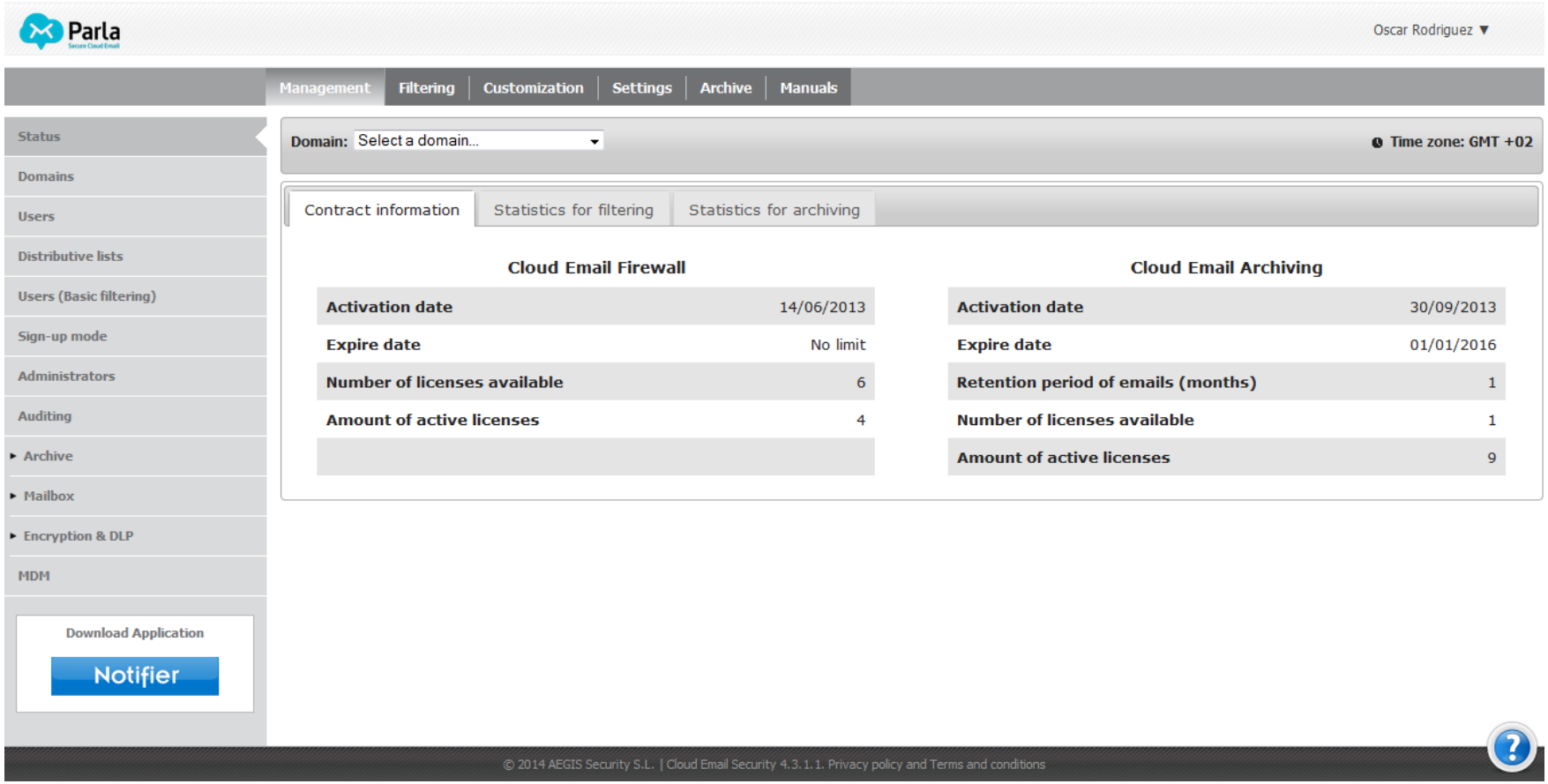
## Administrator Console Demo




**Administrator console:** Allows IT managers to change different security settings, manage end users security configurations, centrally review quarantined emails and audit email filtering performance.

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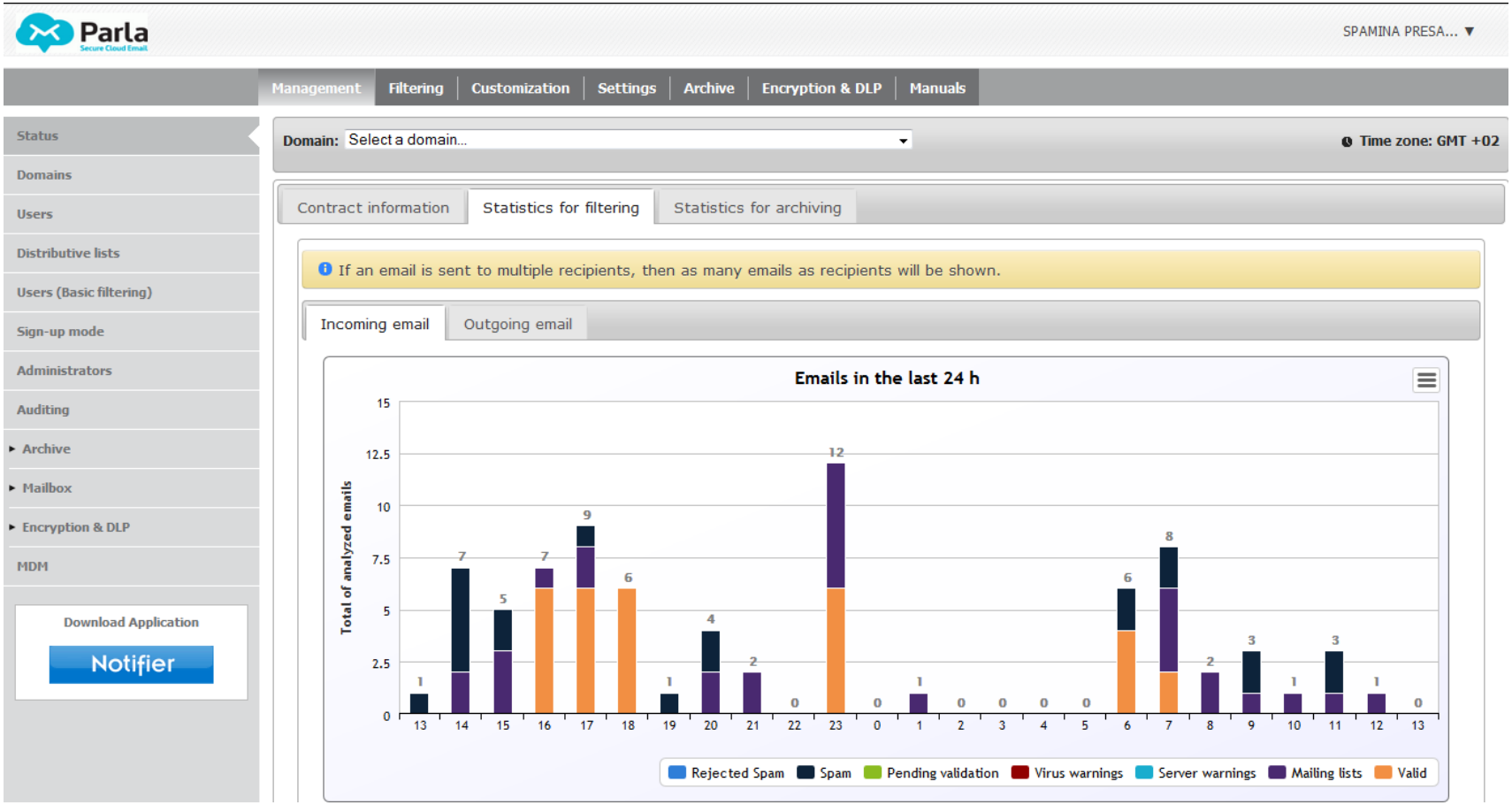
## Dashboard




**Dashboard:** Graph for inbound and outbound email, with its different classifications, over the last 30 days

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## Report management

**Company:**

Testing -Fernanda

**Domains:**

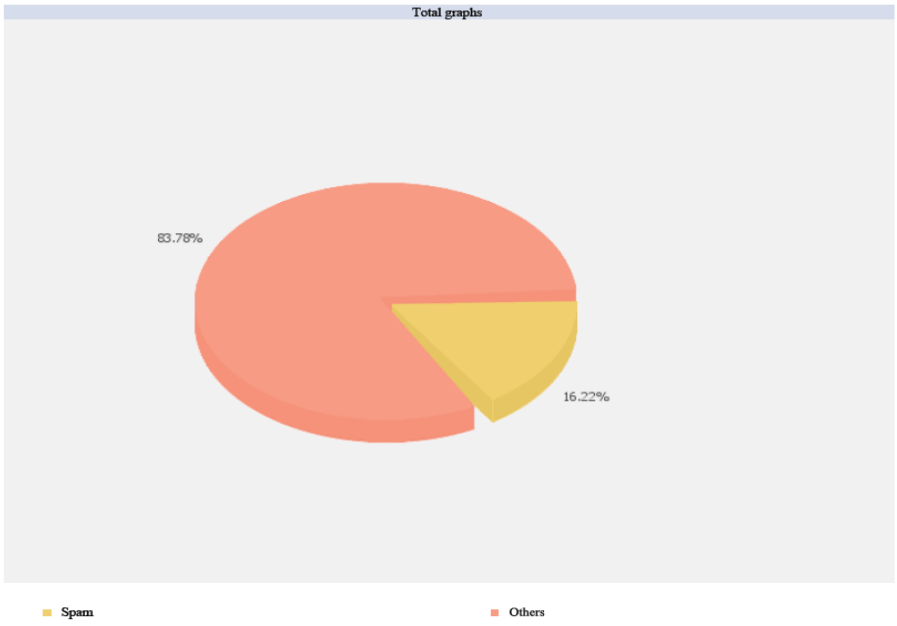
testing6.spamina.com.ar, testing5.spamina.com.ar

**Statistics on incoming email:**

Summary table

| Date | Spam | Others |
|---|---|---|
| 25/10/2011 | 48 | 240 |
| 26/10/2011 | 96 | 480 |
| 27/10/2011 | 0 | 0 |
| 28/10/2011 | 0 | 0 |
| 29/10/2011 | 0 | 0 |
| 30/10/2011 | 0 | 0 |
| 31/10/2011 | 0 | 24 |
| Total | 144 | 744 |

Total graphs




**Report management:** example of weekly report, with the selection of multiple domains, graphs and summary of spam incoming email.

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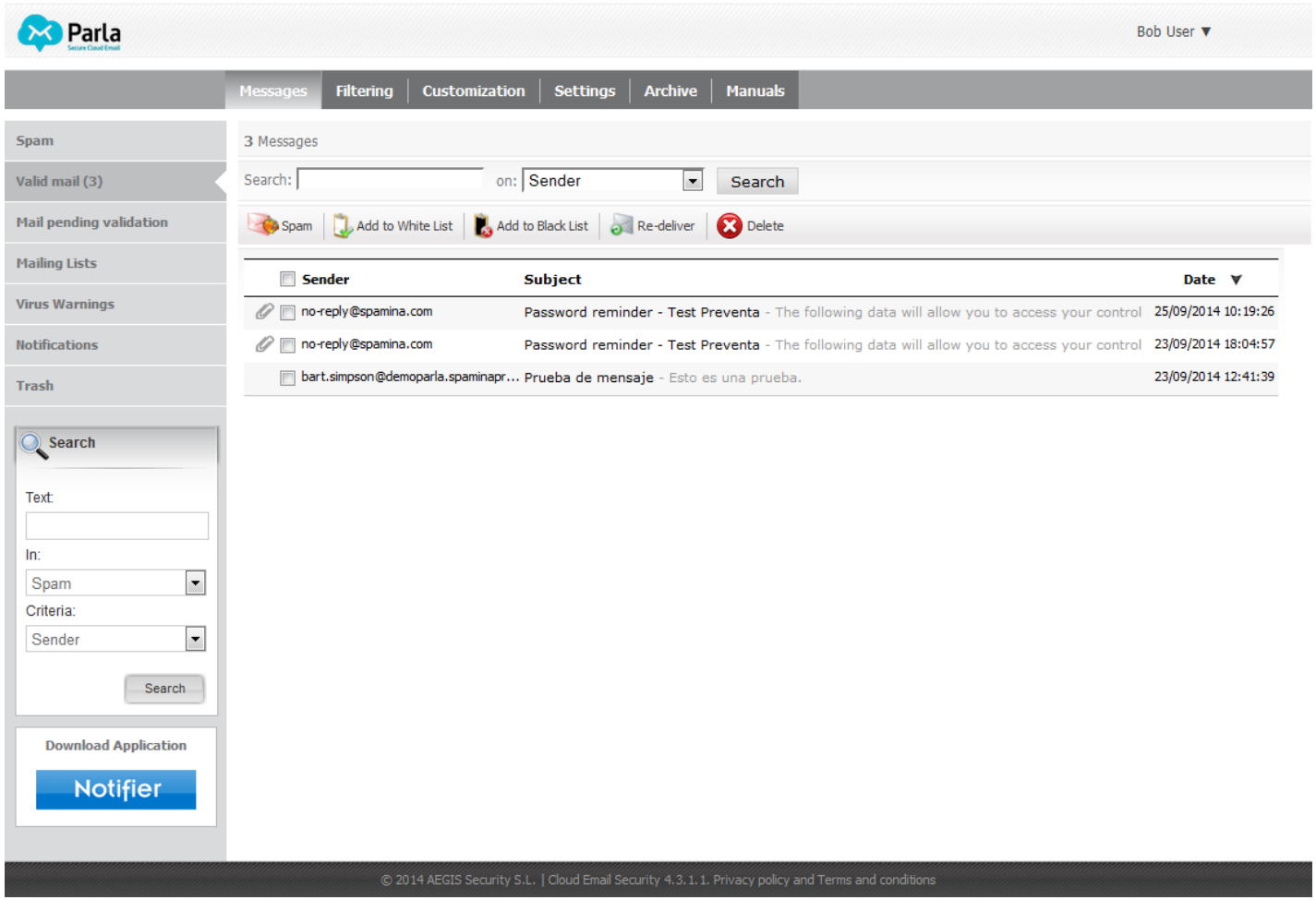
## User Console Demo




**End user security console:** Allows end users to review their quarantined emails and adjust their personal settings, such as filtering sensitivity and personal sender whitelists / blacklists.

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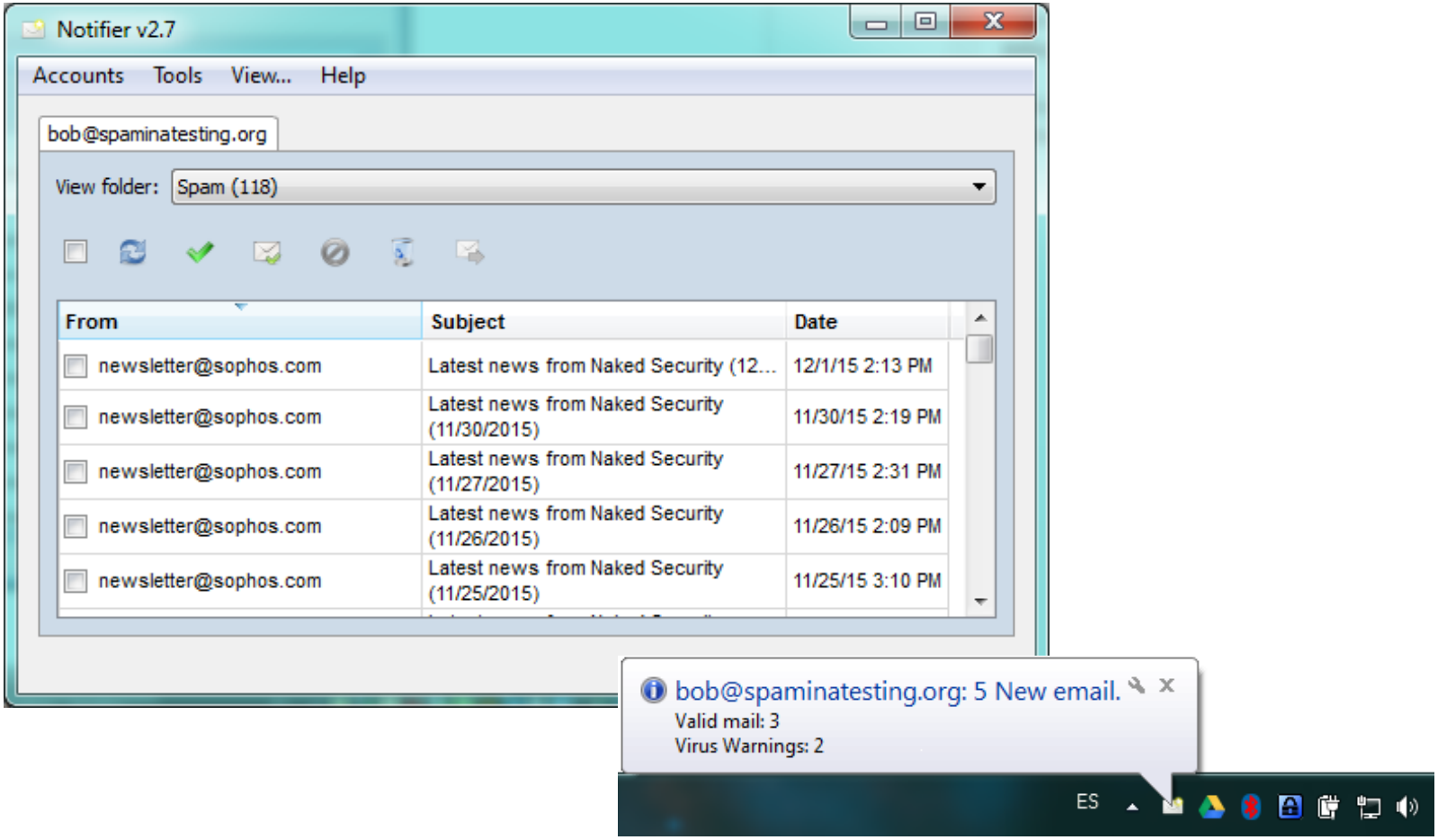
## Notifier Demo




**Notifier:** Desktop application (Windows, Mac, Linux) notifying end users of spam and threats being stopped by CEF and allowing them to unlock blocked spam emails and manage personal security settings directly from their desktops.

# THANKS!

**CONTACT INFORMATION:**
**Phone No. +34 91 368 77 63**
**Presales presales@Spamina.com**
**Sales sales@Spamina.com**
**Marketing marketing@Spamina.com**