



PineApp Mail Secure
SOLUTION OVERVIEW

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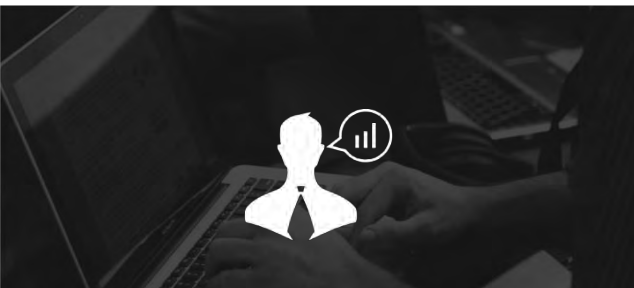
David Feldman, CEO



PineApp Mail Secure

INTRODUCTION





CORE EXPERIENCE

- ☞ Leader Product Company Servicing Multiple Vertical Markets
- ☞ Deploy And Manage Large Scale Enterprise Cloud Platforms
- ☞ Managed Services, Enterprise Software, SaaS
- ☞ Telco Installation Worldwide
- ☞ Innovator And Leader In Anti-botnet Activity



PRODUCT LINES

- ☞ PineApp Mail Secure – Advanced Messaging Solution
- ☞ CyBoWall – Advanced Threat Detection
- ☞ OSG – IP Blacklisting Prevention For Telecom
- ☞ CyBoCloud – Cloud Messaging Solution



FACTS & FIGURES

- ☞ HQ & R&D in Israel
- ☞ Privately Owned
- ☞ Global Company With Branches In North America, Europe, CIS & Far East
- ☞ Wide Installation Base In Over 60 Countries





Affordable



Easy To Use



**State Of The
Art Technology**



Innovative

PINEAPP MAIL SECURE MODULES

SPAM & VIRUS PROTECTION

- Blocks over 99.7% of spam and virus threats
- Flexible policy management at all user levels
- Inbound and outbound protection
- Kaspersky Anti-Virus



EMAIL ARCHIVING

- Powerful search and rapid retrieval
- Compliance ready solution
- Alternative Data Storage
- Message Archiving



EMAIL BRANDING

- Enables customers to brand their outbound emails
- Templates provided for easy config
- Easy to use, flexible marketing tool



EMAIL ENCRYPTION

- Secure outbound email
- Comply with security regulations
- No additional HW required
- Automate: create policy rules quickly



BIG DATA TRANSFER

- Enables customers to share files securely
- Big files can be uploaded to Mail Secure infrastructure and easily shared
- Files are secure and password protected



APT PROTECTION

- New Avira AV in Mail Secure 5.1 system
- New email Sandbox with Check Point's SandBlast technology





PineApp Mail Secure MODULES

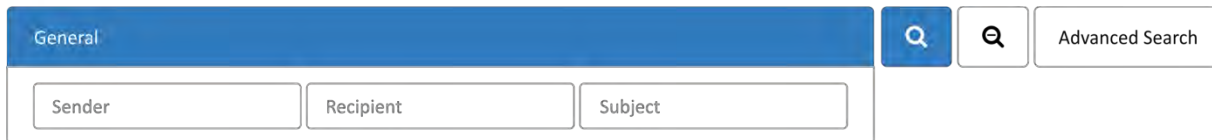


PINEAPP MAIL SECURE **ANTI-SPAM ANTI-VIRUS GATEWAY**



- ✓ Spam Blockage Proven Ratio of 99.7%
- ✓ Strong Perimeter Security up to 90% are stopped prior to Content Inspections
- ✓ Seamless Integration Interfaces with all Server types
- ✓ Global, Group, Domain and User Policy Server
- ✓ Legal hold a Short-term (30-day) Email Backup
- ✓ Daily Traffic Reports with Company Logo and Multi-language
- ✓ High Availability Active-active / Active-passive / Clustering
- ✓ Multi-platform Availability HW/SW/VMware/Hyper-V/Xen/KVM

PINEAPP MAIL SECURE EMAIL ARCHIVING



- ✓ Powerful Search And Rapid Retrieval
- ✓ Alternative Data Storage
- ✓ Advanced Auditing and Reports

Logs section includes a highly detailed set of system logs, allowing system administrators to identify traffic trends, keep track of data flow in the organization and note any hardware or software changes in the solution

- ✓ Advanced Indexing

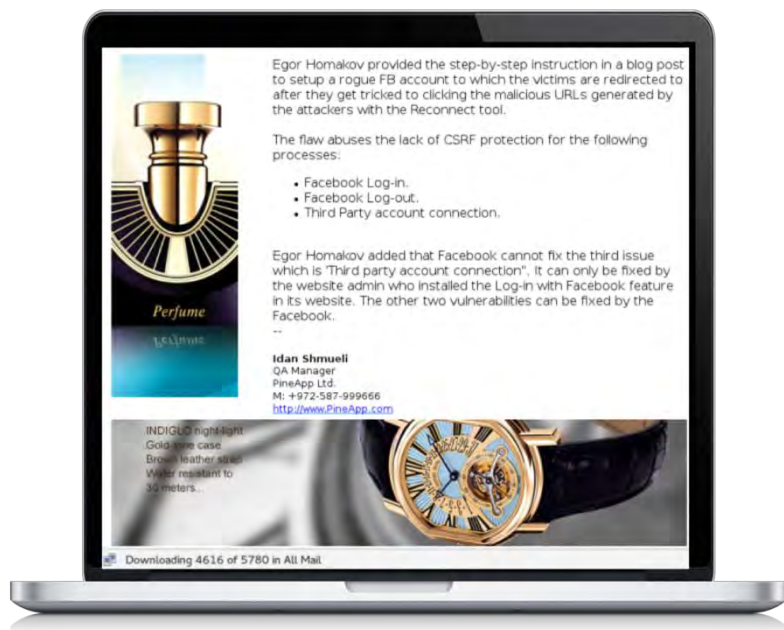
Quickly retrieve emails by searching across a specific date range, use wildcard characters to look for specific words within subject lines or pull any or all emails from a specific domain (e.g., yourcompany.net)

- ✓ Detailed Permissions Management

Assign limitations in access and action (archive, delete etc.) levels, thus restricting end-users to pre-defined activities and domains



PINEAPP MAIL SECURE EMAIL BRANDING



- ✓ Enable customers to brand their outbound emails
- ✓ Templates provided for easy configuration
- ✓ Easy to use, flexible marketing tool

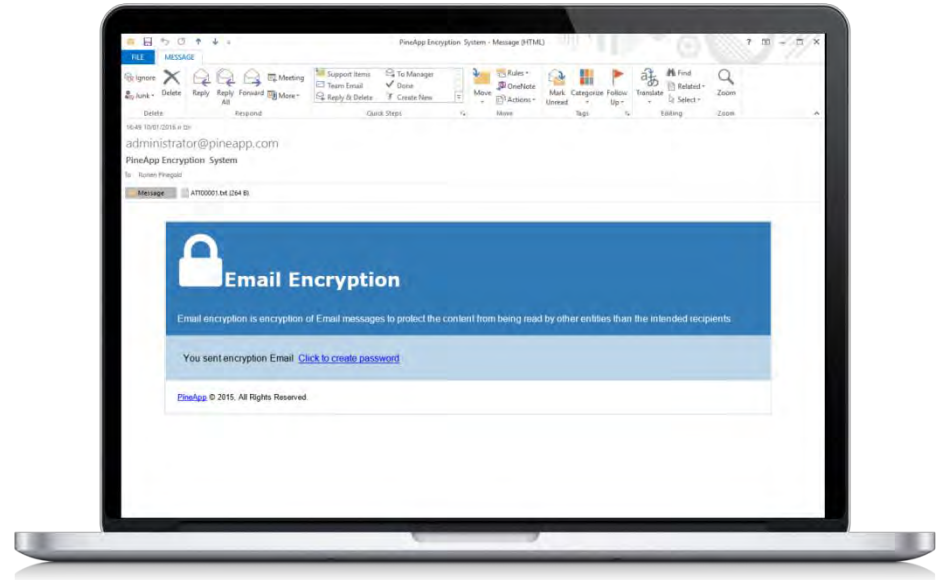


PINEAPP MAIL SECURE EMAIL ENCRYPTION

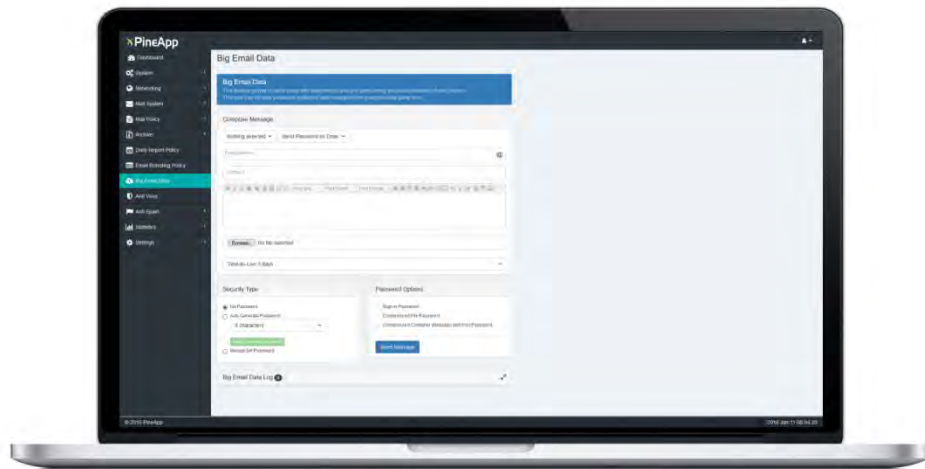


- ✓ Secure outbound email
- ✓ Comply with security regulations
- ✓ No additional HW required
- ✓ Automate: create policy rules quickly

The screenshot shows the 'Key Generator' interface. On the left, a blue box titled 'Email encryption' explains that the feature is intended to prevent unauthorized reading and preserve confidentiality, and that a unique key will be created and sent via email. The main area has a header 'Key Generator' with a lock icon. Below it, a message says 'Please enter your desired password (6 characters at least) or [Auto generate password](#)'. There are two input fields for 'Password' and 'Confirm Password', both with red error borders. Below these is a dropdown menu for 'Send password by Email' set to 'Email'. At the bottom, an email address 'ronen.finegold@gmail.com' is shown, and a blue 'Submit' button is at the bottom left.



PINEAPP MAIL SECURE BIG DATA TRANSFER



- ✓ Enable customers to share files securely
- ✓ Big files can be uploaded to CYBONET infrastructure and easily shared
- ✓ Files are secure and password protected



PINEAPP MAIL SECURE **SANDBOXING**

- ✓ Partnered with Check Point to provide the most comprehensive SandBlast technology
- ✓ Zero Day Protection
- ✓ Threat Emulation
- ✓ Threat Extraction
- ✓ Evasion-resistant malware detection

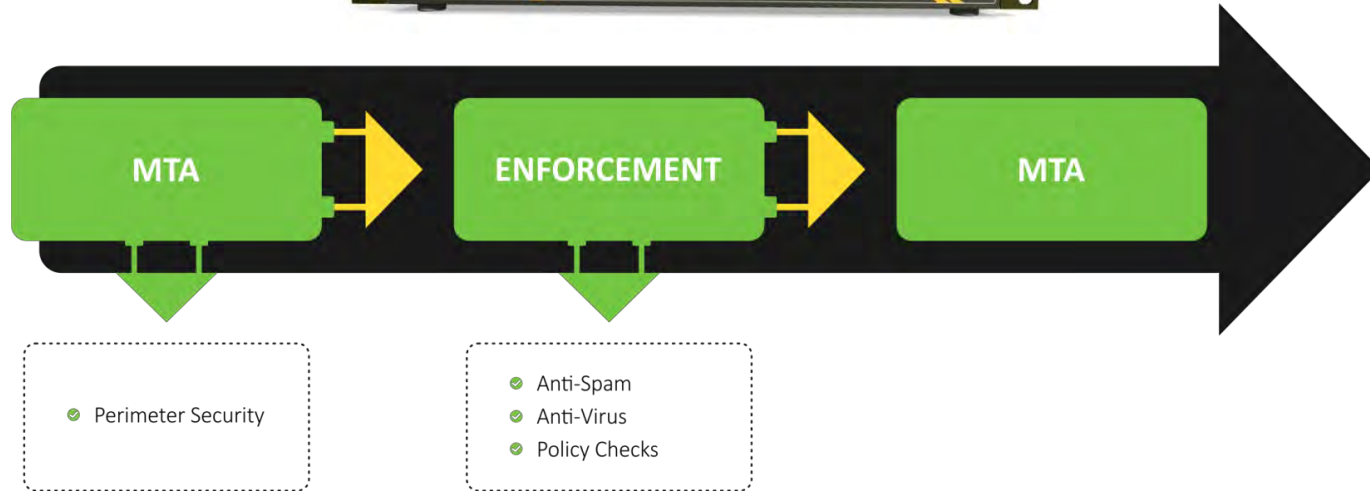




PineApp Mail Secure **KNOW YOUR WAY**



PINEAPP MAIL SECURE MAIL HANDLING SCHEME



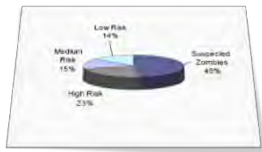
PINEAPP MAIL SECURE SECURITY APPROACH



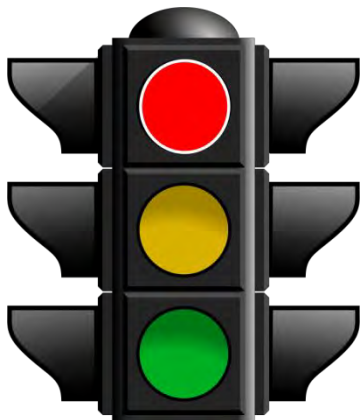
- ✓ Focuses on stopping all threats prior to the 'data' phase in SMTP session
- ✓ Filters up to 90% of threats at the perimeter level
- ✓ Increases security
- ✓ Saves bandwidth and reduces system resources
- ✓ Eliminates False Positives
- ✓ Improves detection rate

Who is the messenger?

- ✓ IP Reputation - Classification of millions of IP addresses identifying majority of zombies and other high risk email traffic
- ✓ Fake banner delay (according to PTR records' validation)
- ✓ Helo Syntax verification (helo [IP address] or helo fqdn)
- ✓ External RBL lookups, with Local RBL database (Spamcop and Spamhaus inspections included)
- ✓ Message, session and connection IP (and domain) rate limiting – Day/Hour/Minute



PINEAPP MAIL SECURE ENVELOPE TACTICS



- ✓ Validation
- ✓ SMTP Authentication support
- ✓ Allowed number of authentication attempts
- ✓ SMTP over TLS support (SSL encapsulation)
- ✓ Email Spoofing protection - reject mail from external mail with local domains
- ✓ Reject mail from local network with non-local domains (Anti-Zombie)

Full control of MTA settings:

- ✓ Number of concurrent connections/sessions/messages/recipients
- ✓ Timeout interval
- ✓ Message time-to-live (TTL)
- ✓ Allowed number of messages per hour/minute/second



Backscattered mail is non-delivery notices received from people whom you haven't sent mail to, or from an unknown source.

Solving Backscatter – IP-based check

Microsoft Mail Internet Headers Version 2.0
Received: from pinex.PineApp.com ([192.168.2.4]) by pinedc.pineapp.com with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 30 Jun 2008 13:44:32 +0300
Received: from pineapp.com (209.88.177.100) by pinex.PineApp.com (192.168.2.4)
with Microsoft SMTP Server id 8.1.240.5; Mon, 30 Jun 2008 12:44:32 +0200
Received: from ns9.pavietnam.net (HELO mr.pavietnam.net) (210.245.120.10) by
MX5.PineApp.com (envelope-from phat.tran@saomaicom.vn) with SMTP;
30 Jun 2008 13:27:05 +0300
Received: from IBM6C63341C344 by mr.pavietnam.net (MDaemon PRO v9.6.2) with
ESMTP id md50000085060.msg; Mon, 30 Jun 2008 17:39:49 +0700
Return-Receipt-To: "Phat, Tran Tan" <phat.tran@saomaicom.vn>
From: "Phat, Tran Tan" <phat.tran@saomaicomcommunication.vn>
To: "Gabriel" <ggggg@PineApp.com>,
"David Feldman" <david@PineApp.com>
CC: "Hezi" <bbb@PineApp.com>,
"Arie" <aaaa@PineApp.com>
Subject: RE: Mail-SeCure + storage device
Date: Mon, 30 Jun 2008 17:39:40 +0700
Message-ID:
<1~IUENERkVCMDkAAQACAAAAAABgAAAAAAITnN6JYjeU2ph9FBocUi48KAAAAQAAAAeB9N2tE3r0aOp2X2yxNhTgEAAAA@saomaicom
munication.vn>
MIME-Version: 1.0
Content-Type: multipart/related;

Checking for the Outgoing IP
address in message's header



Multi-Layer Anti-Spam System

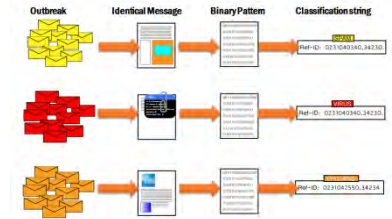
- ✓ Total Detection ratio of more than 99% and almost zero False-Positives (incl. perimeter security)
- ✓ Inspection of 10-20% of total incoming SMTP connections
- ✓ External database lookups
- ✓ Text traditional inspections
- ✓ Heuristic (behavioral) context-based engines



PINEAPP MAIL SECURE CHECKSUM & FINGERPRINTING

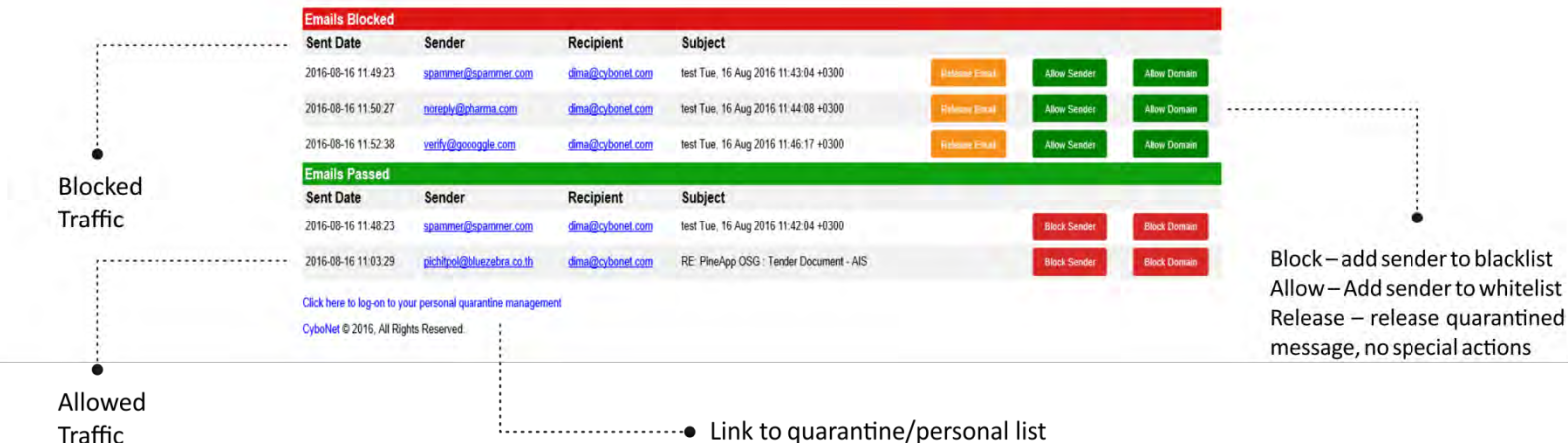


- ✔ Generates patterns from more than 500 Million messages daily, around the globe
- ✔ Real-time – no signature ‘download’
- ✔ Near-zero false positives
- ✔ Language independent



PINEAPP MAIL SECURE END USER DAILY REPORTS

- ✓ All users configured in the system can receive the report
- ✓ Reports can be sent to all or some of the users
- ✓ Reports can be sent as often as once an hour (recommended once or twice a day)
- ✓ Users can manage their quarantine, Black and White lists and release blocked mail from within the daily report



Emails Blocked

Sent Date	Sender	Recipient	Subject	Release Email	Allow Sender	Allow Domain
2016-08-16 11:49:23	spammer@spammer.com	dima@cybonet.com	test Tue, 16 Aug 2016 11:43:04 +0300	Release Email	Allow Sender	Allow Domain
2016-08-16 11:50:27	noreply@pharma.com	dima@cybonet.com	test Tue, 16 Aug 2016 11:44:08 +0300	Release Email	Allow Sender	Allow Domain
2016-08-16 11:52:38	verify@google.com	dima@cybonet.com	test Tue, 16 Aug 2016 11:46:17 +0300	Release Email	Allow Sender	Allow Domain

Emails Passed

Sent Date	Sender	Recipient	Subject	Block Sender	Block Domain
2016-08-16 11:48:23	spammer@spammer.com	dima@cybonet.com	test Tue, 16 Aug 2016 11:42:04 +0300	Block Sender	Block Domain
2016-08-16 11:03:29	pichitpoi@bluezeta.co.th	dima@cybonet.com	RE: PineApp OSG - Tender Document - AIS	Block Sender	Block Domain

[Click here to log-on to your personal quarantine management](#)

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Blocked Traffic

Allowed Traffic

Block – add sender to blacklist
Allow – Add sender to whitelist
Release – release quarantined message, no special actions

Link to quarantine/personal list



PineApp Mail Secure **POLICY & COMPLIANCE**

PINEAPP MAIL SECURE BENEFITS

- ✓ Deployment over the cloud
- ✓ MSP Option
- ✓ Outbound Spam Filtering
- ✓ Addressing over 100,000 Mailboxes
- ✓ Highly Scalable
- ✓ Centralized Management for global organizations with multiple servers spread out around the world
- ✓ Provides business continuity



PINEAPP MAIL SECURE BENEFITS OVER COMPETITORS



PineApp Mail Secure offers the following benefits compared with other market leaders such as Proofpoint and Cisco

- ✓ Deployment over the cloud
- ✓ MSP Option
- ✓ Mail Clustering - enables centralized management of email traffic, quarantine logs and reporting
- ✓ OEM/White label
- ✓ Email Branding - enables customers to brand their outbound emails
- ✓ Sandboxing Module sends files that are potential threats to a cloud-hosted sandbox for deep content analysis





Multi-Layered Approach

- ✓ Complete protection against all Viruses, Trojans, Worms and Malware threats
- ✓ Multi-layered Anti-Virus protection system
 - ✓ Strong Perimeter Level Security, Filters up to 90% of virus infection threats at the perimeter level
 - ✓ Zero-Hour Protection against unknown viruses
 - ✓ HTML Malicious code detection (HTML Tags module)
- ✓ 30 minute update resolution



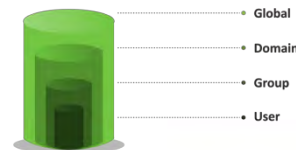
PINEAPP MAIL SECURE MAIL POLICY MODULE



Separate Policy for Local, Incoming and Outgoing Emails

- ✓ Global – the entire organization
- ✓ Domain – one domain out of the organization's domain array (e.g. hotmail.co.uk)
- ✓ Group – one group out of the organization's domain controller groups (e.g. Sales, Marketing, Support etc.)
- ✓ User – a single user
 - ✓ Global < Domain < Group < User

- ✓ **Attachment rules**
- ✓ **Spam rules**
- ✓ **Content rules**
- ✓ **Black & White rules**
- ✓ **General rules**
- ✓ **HTML Tags rules**



PINEAPP MAIL SECURE MAIL POLICY ACTIONS



- ✔ Strip (attachment rules only) > Remove attachments and send message's text only
- ✔ Delete > Delete message completely
- ✔ Block > Block message and move it to the device's quarantine/other configured zone (configurable via [zone management](#))
- ✔ Allow > Allow message to proceed (relevant when contradictory rules are configured in the system)





DLP relates to Outgoing Mail

- ✓ Keyword based content Filtering
- ✓ Supports regular expression
- ✓ Scans the subject, body and attachment of all mail
- ✓ Global/Domain/Group/User policy rules
- ✓ Allows configuring different thresholds in order to determine sensitivity
- ✓ Supports hundreds of file types
- ✓ HIPAA compliant





Optional module including

- ✓ Internet Watch Foundation (IWF)
- ✓ Porn MegaFilter
- ✓ Scans images to determine if they contain pornography
- ✓ Low false positive rate

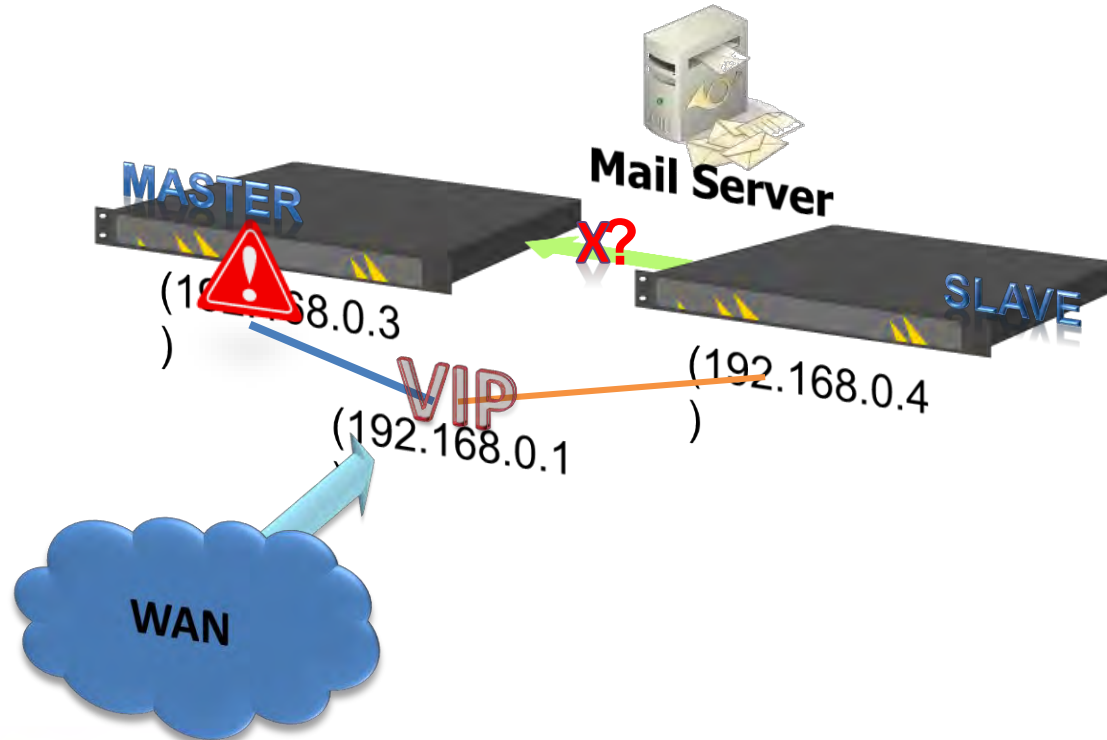
Advanced technology includes:

- ✓ Body identification
- ✓ Edge detection
- ✓ Body part separation
- ✓ Curvature analysis
- ✓ Face recognition

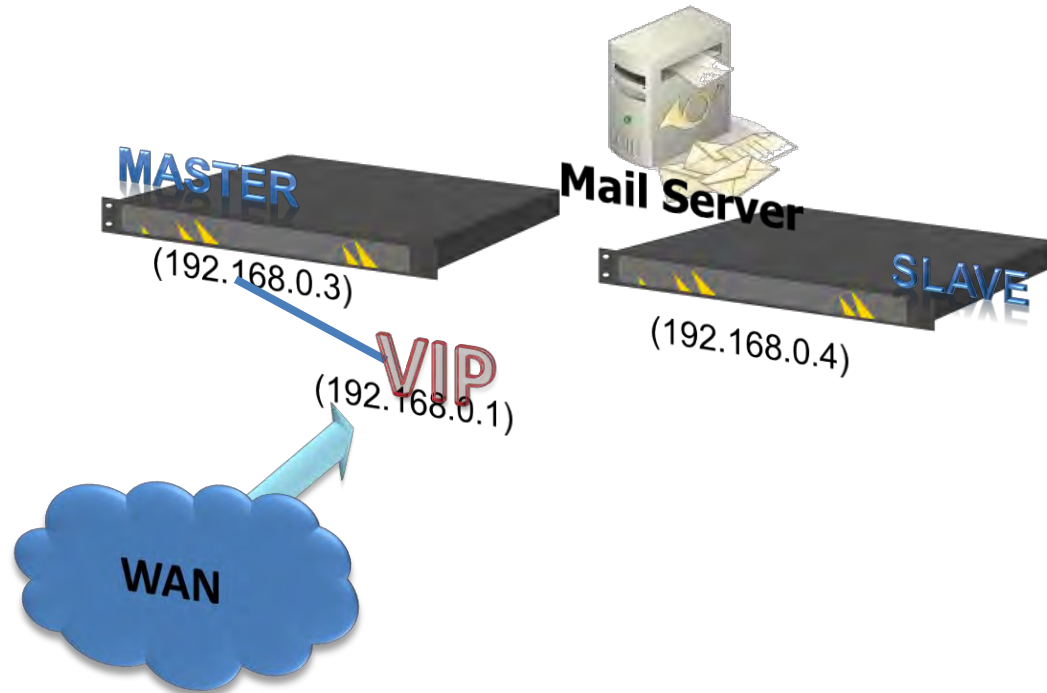


PineApp Mail Secure TOPOLOGY

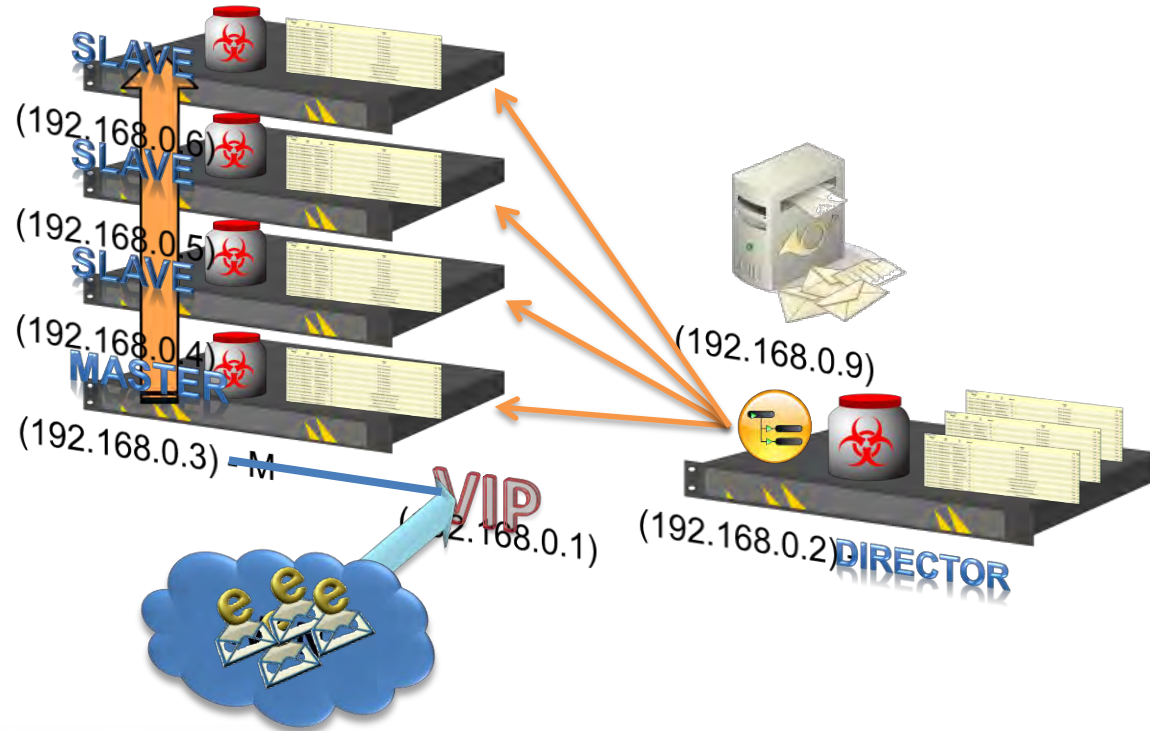
PINEAPP MAIL SECURE ACTIVE-PASSIVE ARRAY



PINEAPP MAIL SECURE ACTIVE-ACTIVE ARRAY



PINEAPP MAIL SECURE **SCANNER-DIRECTOR CLUSTER ARRAY**



PINEAPP MAIL SECURE MODELS



Model	1000	1010	1020	1030	2000	2020	2030	2040	2050	2060
User Limit	15	25	50	75	100	150	200	300	400	500
Minimum Memory Size	2G									
Core Count	1		2							
Minimum Disk Size	250Gb									
Network Ports	2									

Model	3010	3020	3030	3040	3060	5040	5050	5060	5080	5090
User Limit	600	850	1000	1500	2000	3000	4000	5000	10000	25000
Minimum Memory Size	4G									
Core Count	2	4		8						
Minimum Disk Size	250Gb									
Network Ports	2									



OUR LARGER INTERNATIONAL CLIENTS



THANK YOU



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