PineApp Mail Secure

SOLUTION OVERVIEW

David Feldman, CEO
PineApp Mail Secure

INTRODUCTION
ABOUT CYBONET

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

www.cybonet.com
CYBONET MISSION

Affordable
Easy To Use
State Of The Art Technology
Innovative
PINEAPPLE 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
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
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
Secure outbound email
Comply with security regulations
No additional HW required
Automate: create policy rules quickly
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

- MTA
- ENFORCEMENT
- MTA

- Perimeter Security
- Anti-Spam
- Anti-Virus
- Policy Checks
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
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 pine.pineApp.com ([192.168.2.4]) by pineec.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 pine.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 mx5.pineApp.com ([HELO mr.pavietnam.net] [120.245.120.10])
Received: from BM6CC63341C344 by mr.pavietnam.net (MDaemon PRO v9.6.2) with
   ESMTPO 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@saomaicomunication.vn>
To: "Gabriel" <gabriel@pineapp.com>,
   "David Feldman" <davidi@pineapp.com>
CC: "Hezi" <hezi@pineapp.com>,
   "Arie" <aaaa@pineapp.com>
Subject: RE: Mail-Secure + storage device
Date: Mon, 30 Jun 2008 17:39:40 +0700
Message-ID:
   <1!UENERxvCMdkAAQACAAAAA8gAAFAAAAAAATnN5JYeU2ph9FBoclUi48KAAAAAeB9N2tE3r0aOp2X2yxNhTgEAAAA@saomaicomunication.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
Generates patterns from more than 500 Million messages daily, around the globe
- Real-time – no signature ‘download’
- Near-zero false positives
- Language independent
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
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 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
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
PINEAPPLE 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
PINEAPPLE MAIL SECURE ACTIVE-PASSIVE ARRAY

- MASTER
  - (192.168.0.3)
- SLAVE
  - (192.168.0.1)
- Mail Server
- VIP
  - (192.168.0.4)
- WAN
PINEAPPLE MAIL SECURE SCANNER-DIRECTOR CLUSTER ARRAY
# PINEAPP MAIL SECURE MODELS

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OUR LARGER INTERNATIONAL CLIENTS
THANK YOU

R & D Center
Matam, Building 23, P.O.B. 15102
Haifa 3190501 Israel

+972 (4) 821-2321
info@cybonet.com
http://www.cybonet.com