TTAsia
Secure Email Over the Cloud

Telecommunications & Technology Asia Ltd

❑ A leading managed services and cloud computing solutions provider in HK and China

❑ We filter millions of emails every month and have an unparalleled view of global spam and virus activity

❑ Prominent member of email provider association and global anti-spam community

❑ Over 10 years of experience in managing emails for leading companies and organizations

❑ Backed up by Shun Hing Group. One of the largest private organization in Hong Kong established over 55 years with more than 1,600 employees

Shun Hing Group
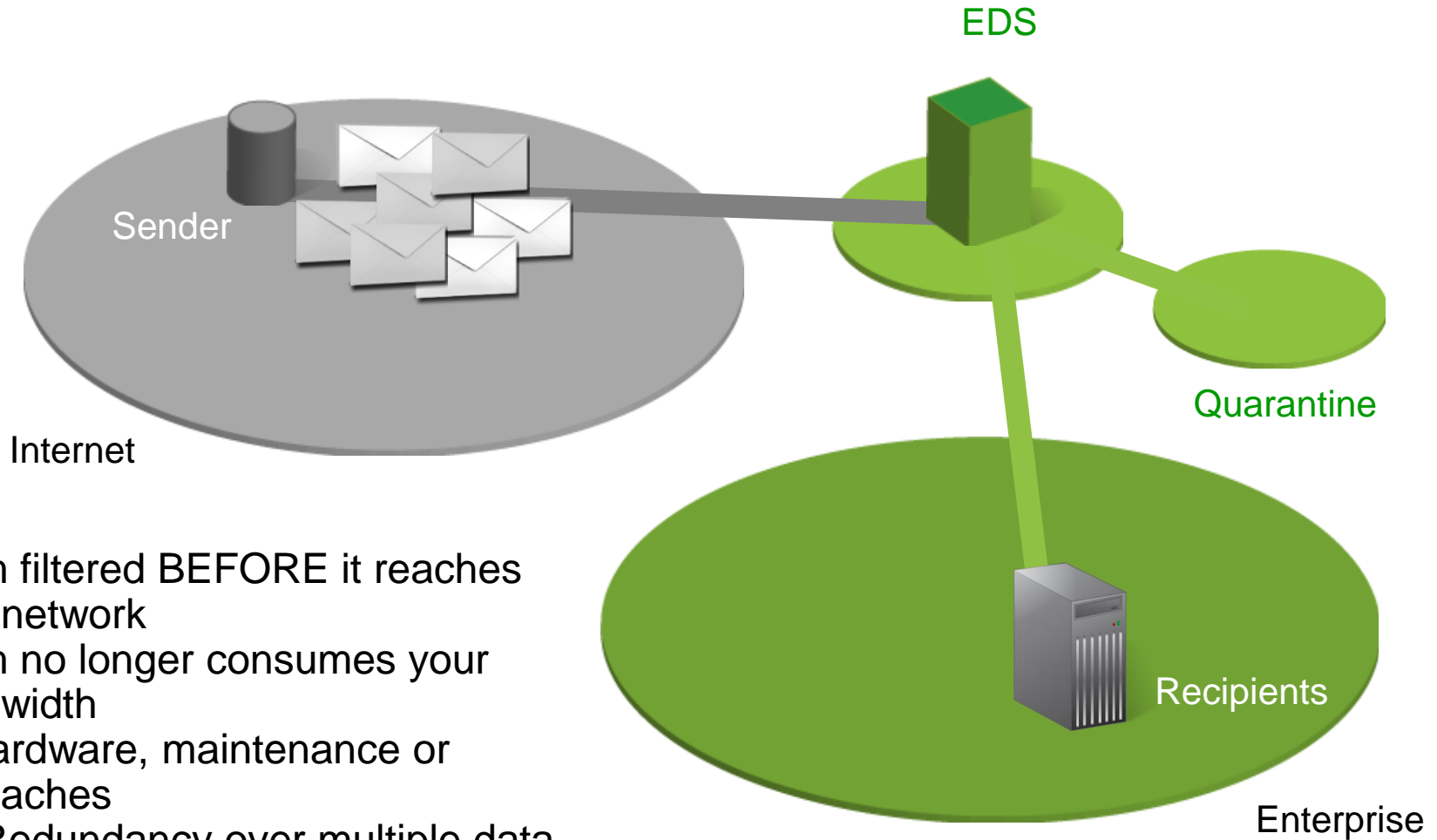

**Shenzhen
Shun Hing Square**

**Hong Kong
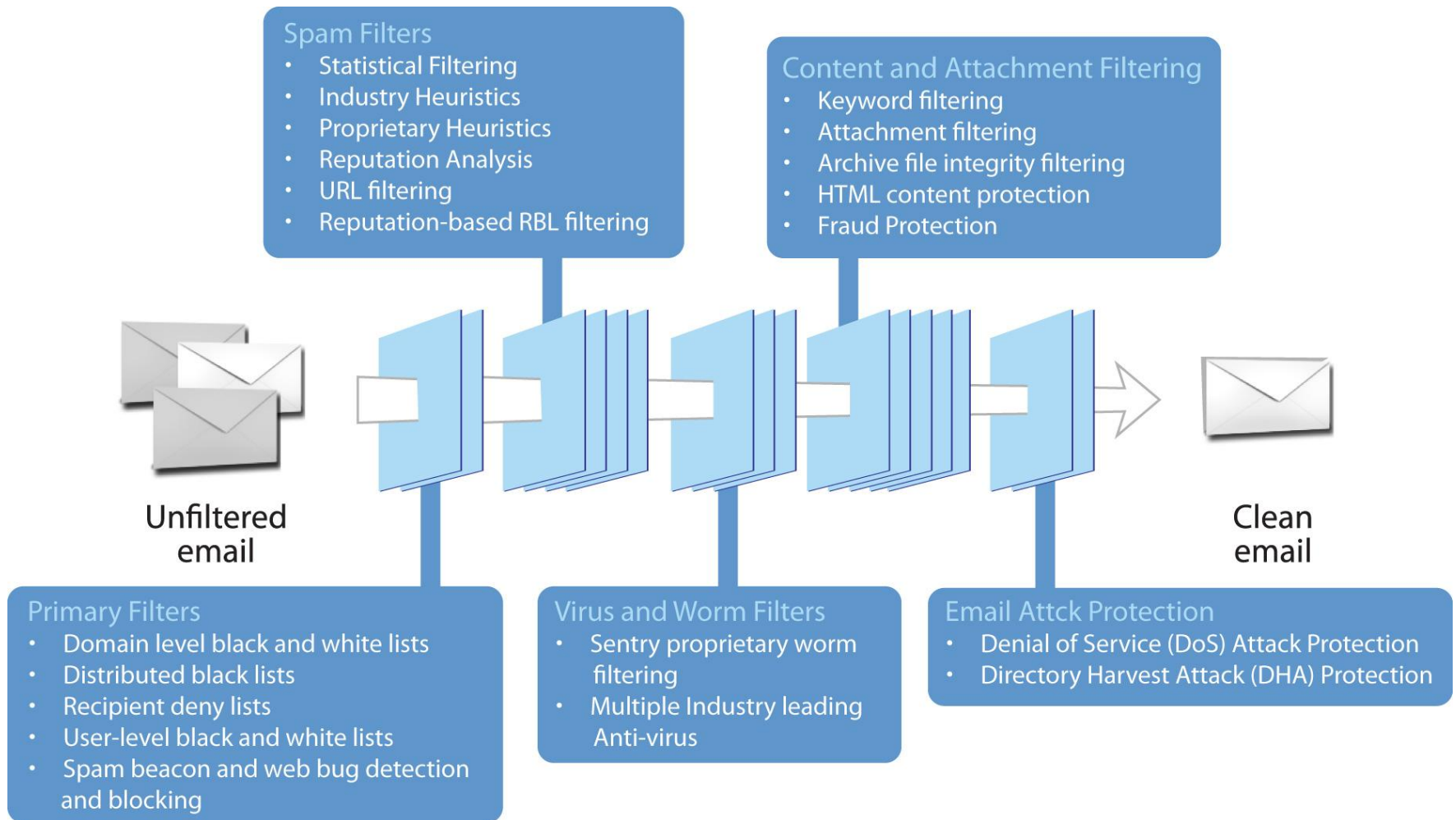Shun Hing Centre**

TTAsia Email Related Cloud Services

Total Email Solution

- Security
- Restore & Continuity
- Data Leakage Protection
- Outbound Filtering
- Hosting
- ActiveSync
- Groupware
- Archiving
- Intelligent Routing
- EDM
- Large Size File Transfer
- Domain Hosting
- TLS/SSL

Email Filtering Gateway

EDS

Sender

Internet

Quarantine

- Spam filtered BEFORE it reaches your network
- Spam no longer consumes your bandwidth
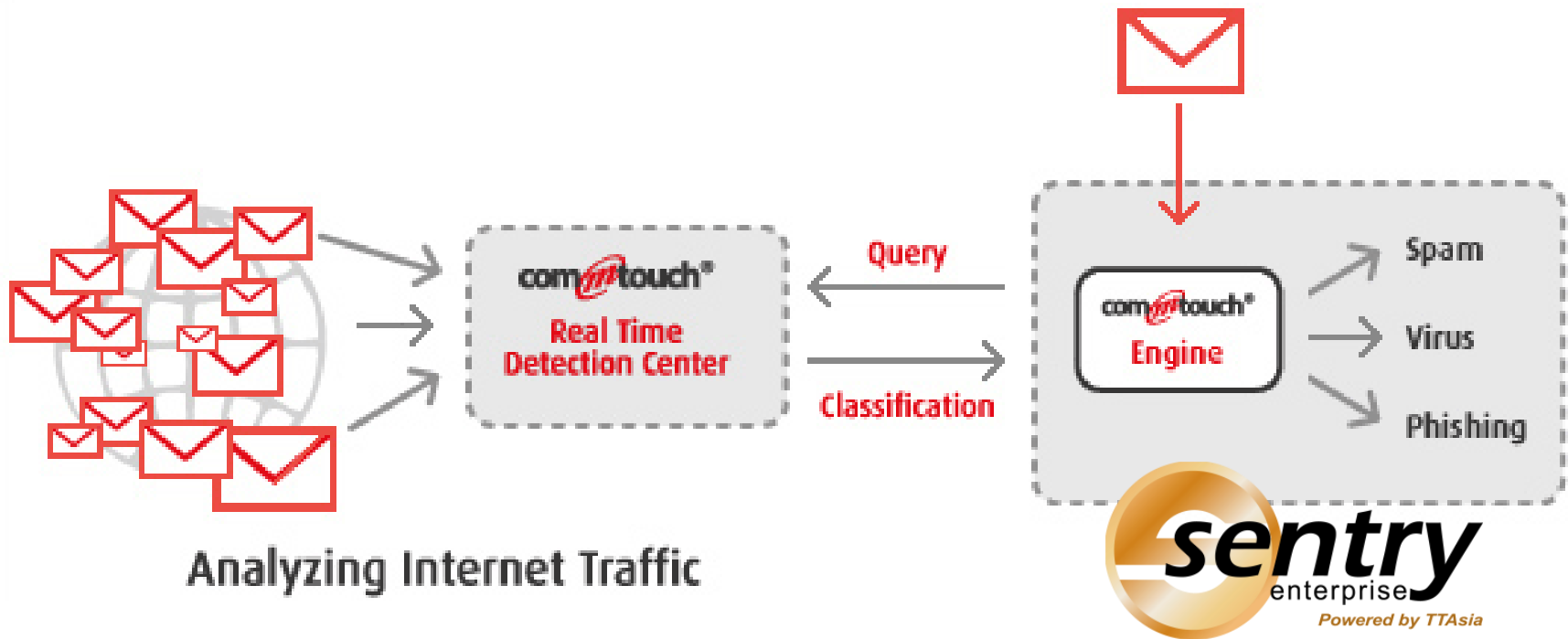- No hardware, maintenance or headaches
- Full Redundancy over multiple data centres

Recipients

Enterprise

Sentry EDS - Comprehensive Filtering

Spam Filters
- Statistical Filtering
- Industry Heuristics
- Proprietary Heuristics
- Reputation Analysis
- URL filtering
- Reputation-based RBL filtering

Content and Attachment Filtering
- Keyword filtering
- Attachment filtering
- Archive file integrity filtering
- HTML content protection
- Fraud Protection

Unfiltered email

Clean email

Primary Filters
- Domain level black and white lists
- Distributed black lists
- Recipient deny lists
- User-level black and white lists
- Spam beacon and web bug detection and blocking

Virus and Worm Filters
- Sentry proprietary worm filtering
- Multiple Industry leading Anti-virus

Email Attck Protection
- Denial of Service (DoS) Attack Protection
- Directory Harvest Attack (DHA) Protection

Sentry EDS – Using Commtouch RPD technology

Sentry EDS – Commtouch OEM partners

Sentry EDS – Comparison

Comparison of Leading Anti-Spam Solutions
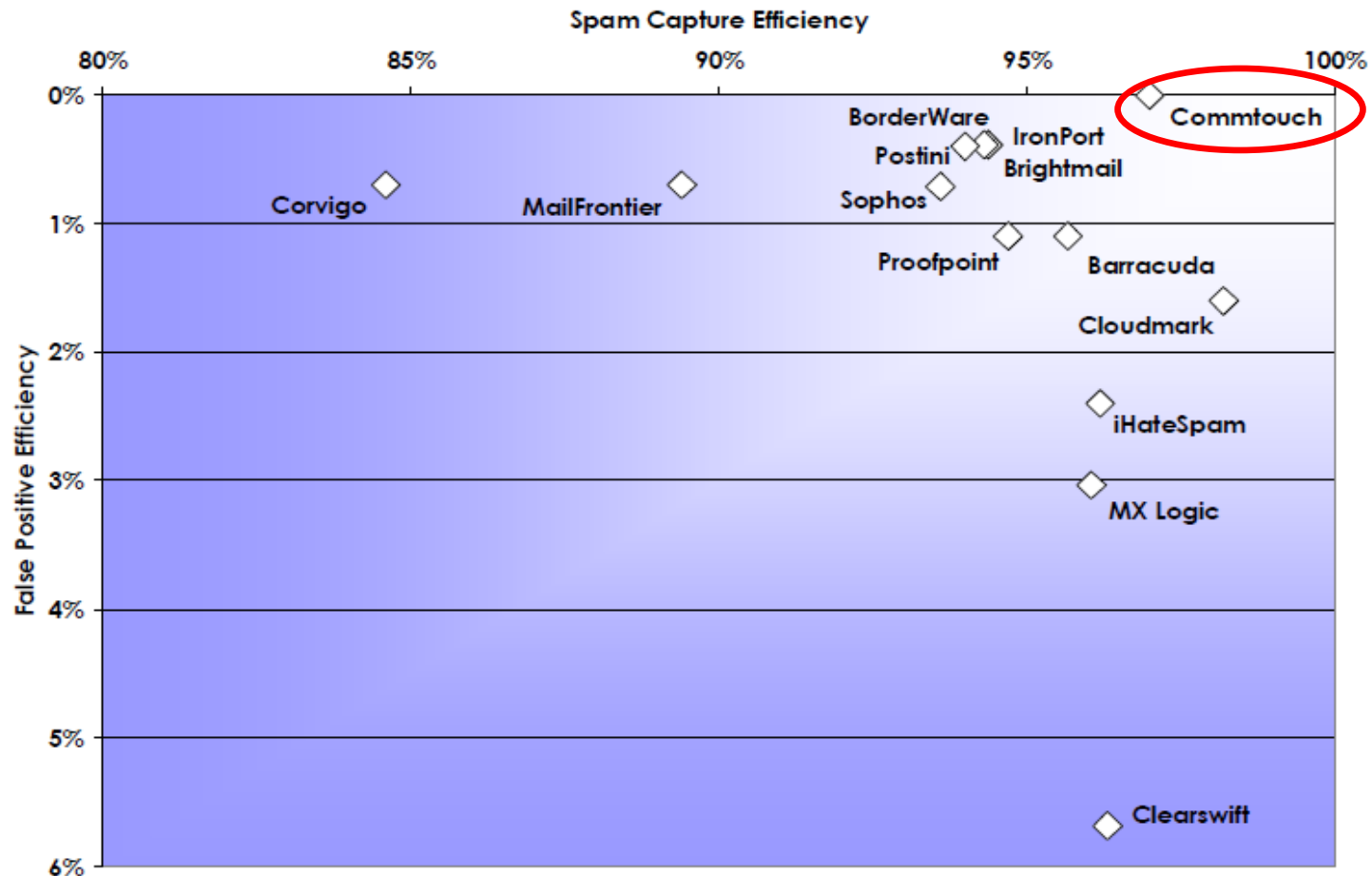
Source: A Comparative Analysis of Leading Anti-Spam Solutions, Osterman Research.

**Compared with other 31 AV products in the market.
Commtouch Command AV placed 1st**

99.98% Commtouch
Antivirus Detection
Rate

| 58.74%
Minimum
Detection
Rate | 96.68%
Average
Detection
Rate | 99.28%
Median
Detection
Rate | Maximum
Detection
Rate |

58% 92% 93% 94% 95% 96% 97% 98% 99% 100%
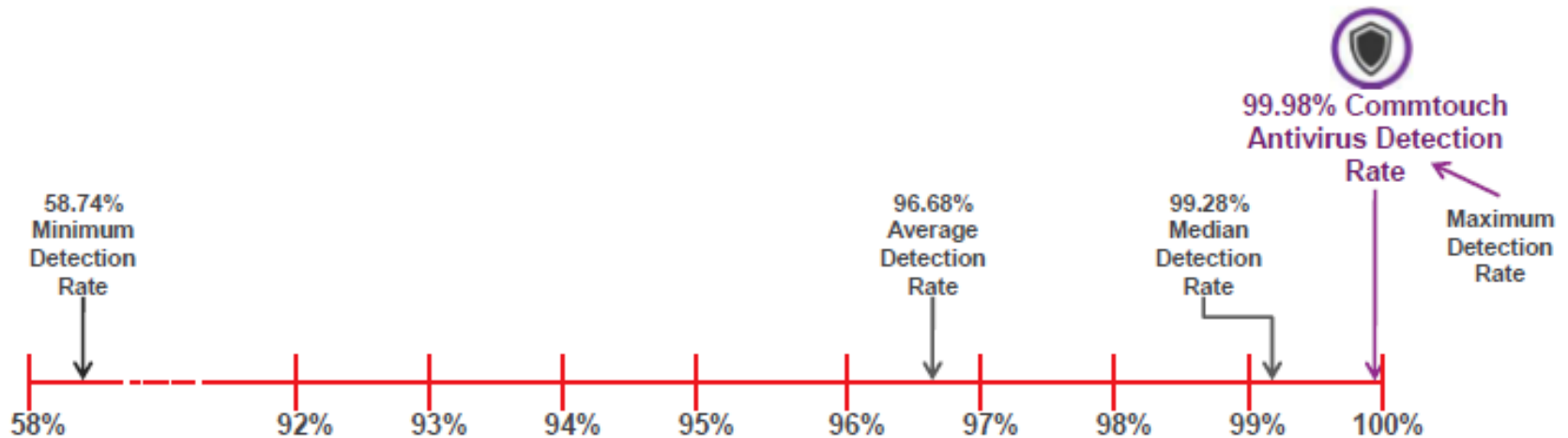
ABOUT AV-TEST

The testing was performed by AV-Test GmbH, a leading service provider for IT security testing and consultancy services operating worldwide. AV-Test has more than 15 years of experience in the area of antivirus research and data security. Each year AV-Test GmbH performs more than 2,500 product tests of anti-virus, anti-spyware, personal firewalls and related products on behalf of vendors, integrators (OEM), corporate users and magazines.

AVTEST

Zero-Hour Protection

Protects in the first moments of outbreak

comm*touch*® (0:00)

Volume of a Single Variant of Trojan-Downloader Outbreak

virus variant checksum
9b4a8b6d019dd25a70b118b739eb18b

AV Engine 2 (+14:07)

AV Engine 3 (+18:46)

AV Engine 1 (+5:46)

AV Engine 4 (+16:40)

AV Engine 5 (+26:40)

AV Engine 6 (+40:36)

AV Engine 7 (+68:12)

Outbreak began

5:00

10:00

15:00
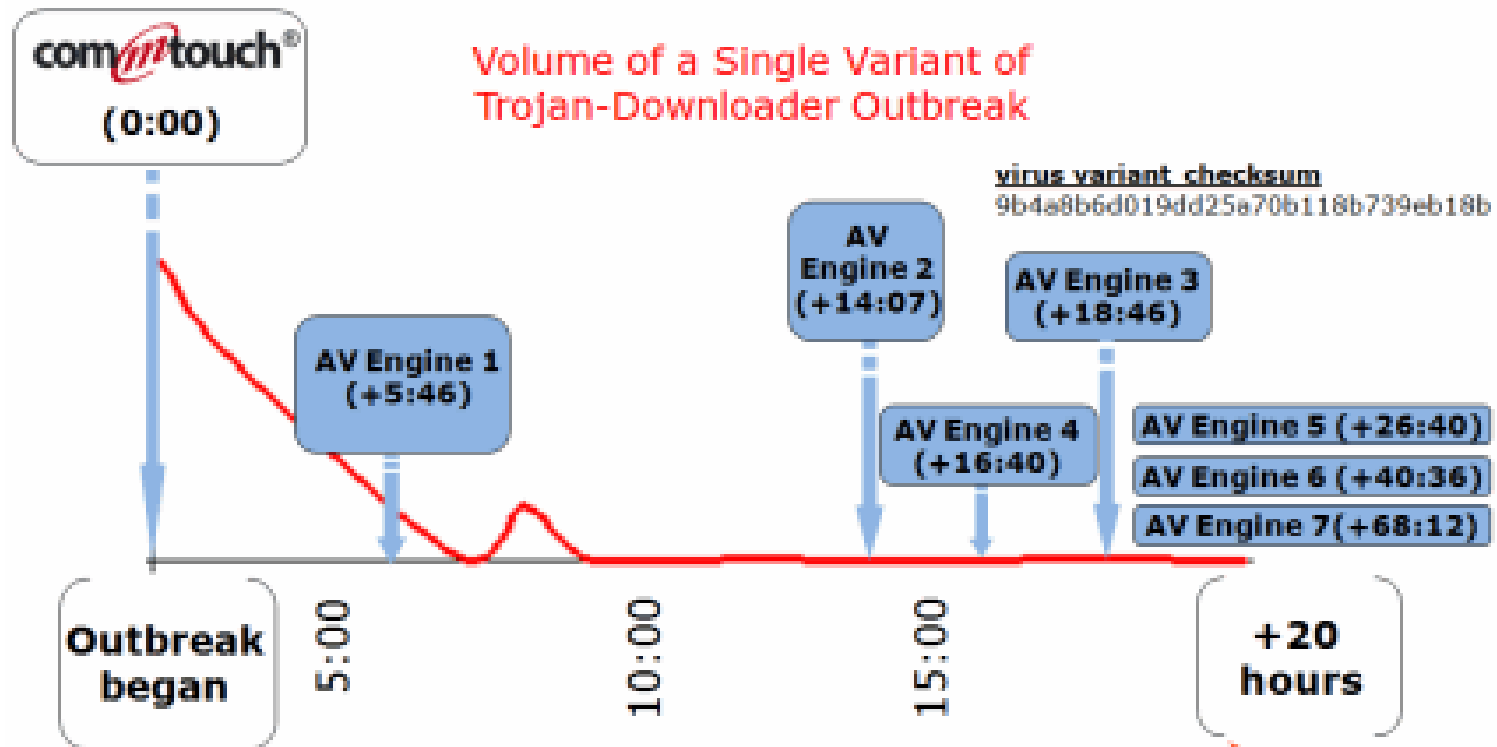
+20 hours

First 20 hours of variant outbreak

Sentry EDS – Other Key Features

❑ Unique **Policy-Based Engine** is introduced in Sentry EDS 4th generation system. It provides high flexibility to tackle threats for your company.

❑ **Real Time Message Tracking** allows IT Administrator to trace all mails that go through the gateway. SMTP transaction log is available.

❑ Scanning **Report Card** enables IT Administrator to effectively review scanning results

❑ Powerful **Real Time Graphical Reports**

❑ **Mail Restore** service, storing your incoming email in the event of your email server mail serve failure

Sentry EDS – Other Key Features

- **Mail Continuity** service act as a stand-by webmail in the event of mail server down

- **Outbound Email Filtering** prevents sending of virus, spam or unwanted email from your mail server

- **Email Archiving** allows company to safeguard all company emails at affordable price

- **China Email Intelligent Routing** effectively eliminates issues on email communication between China and overseas

Key Features

- Anywhere access of email through Outlook, Outlook Web Access (OWA) and mobile devices

- Global Address and Distribution List

- Shared Contacts and Calendar

- Push Email, Calendar, Contact, Tasks and Calendar with GAL integration

- Mobile Security – remote wipe, password policy

- Centralized Web based access for administration

- Active Directory Integration

- **Customizable Portal**

- **End-to-End service (planning, provisioning, migration and support) by TTAsia's Exchange Specialist**

Perfect Companion to Outlook 2010

- Manage Multiple email accounts to check and send email for other Exchange accounts, Hotmail, Gmail and more with Outlook

- Contact Lists with the option of viewing recent email, attachment and scheduled meeting.

- Conversation view lets you see all related sent or received emails with the same subject line so you can track a conversation from start to finish with one click

- At-a-glace viewing of free/busy time, shared calendars and calendar delegation make scheduling meetings and resources easier than ever.

- View attachments even if you don't have the installed software with web-ready document viewing

- MailTips informative messages displayed to user when composing message

Hosted Exchange - OWA

Hosted Exchange - Activesync
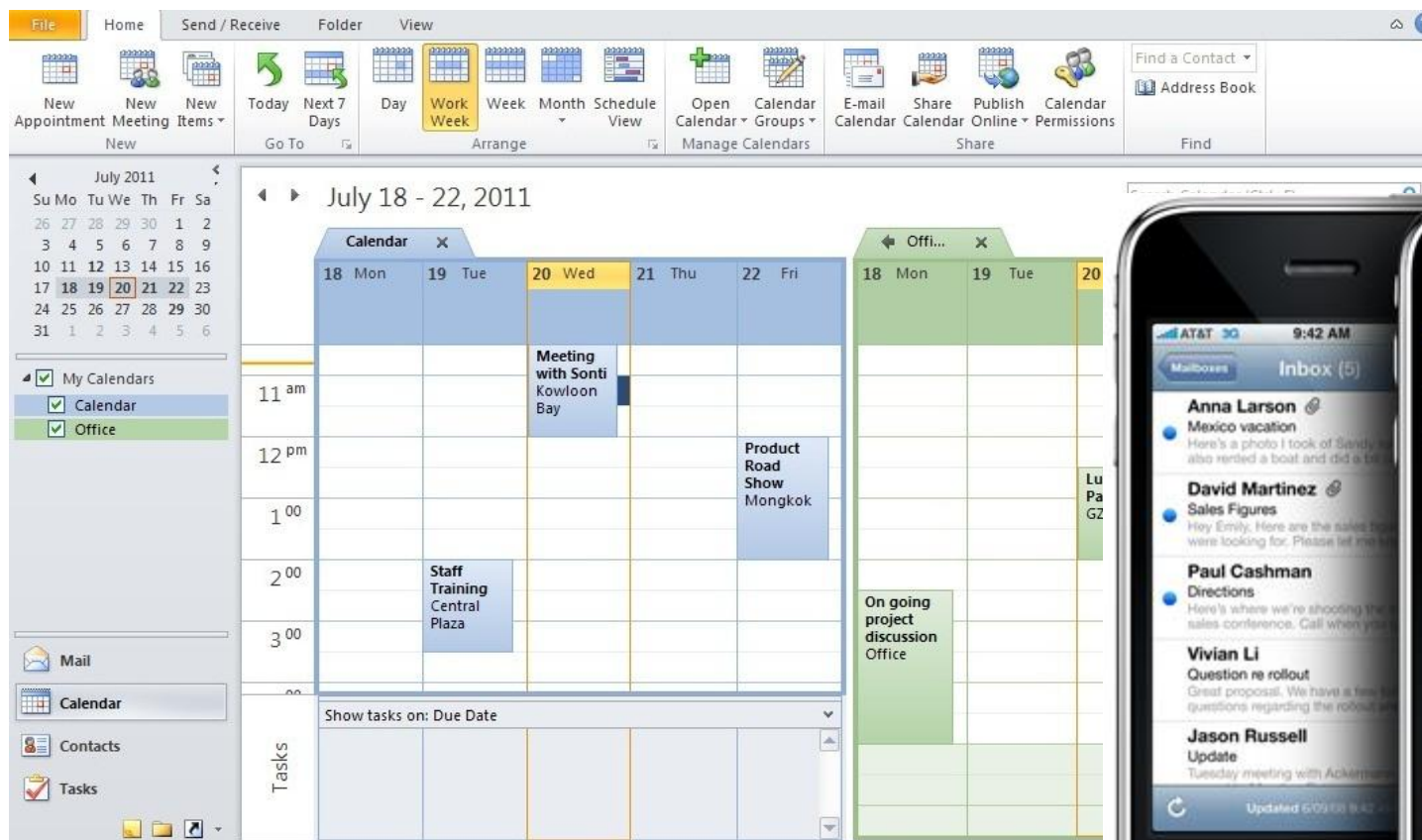
Hosted Exchange - Mobile Policy

Wireless Synchronization

SyncMail

WebMail

Mobile Device

Computer

SyncMail - Groupware

GROUPWARE

SyncMail – Ajax WebMail

SyncMail – Feature-Rich User Setting

SyncMail – ActiveSync

SyncMail - Auto Migration

Old Email Server
(Support IMAP)

SyncMail

Email & Password

User Login
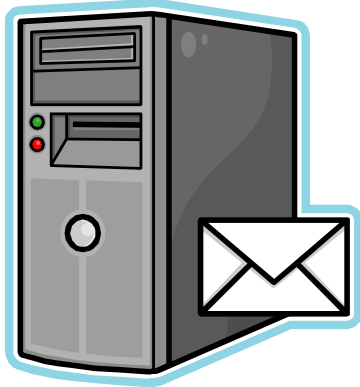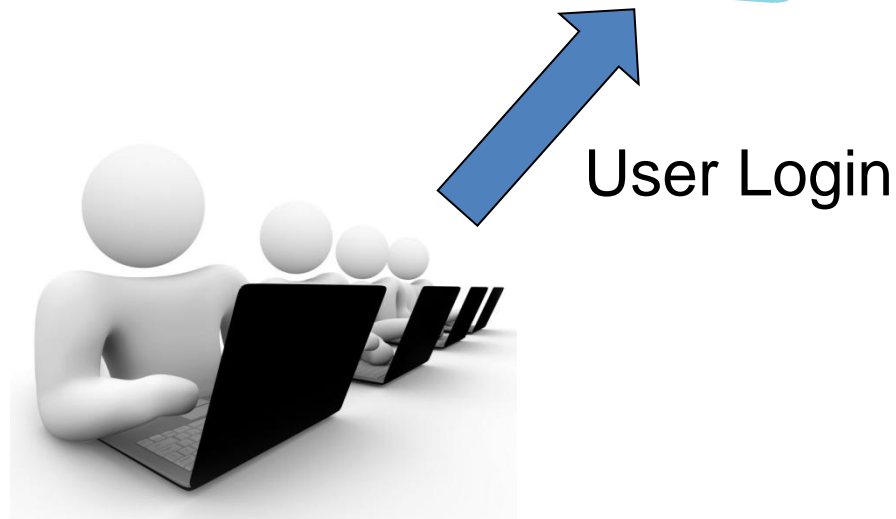
SyncMail – Other Features

- Multi-language User Interface
- Remote POP
- Import and Export Contact List
- Support iCal access
- Contact search
- Context search
- Distribution List
- Automatic Mail Forwarding & Email Rule
- Vacation message
- Auto reply
- Support SSL
- Support SMTP Special Port

Service Level Agreement

Industry-Leading Protection Guaranteed by SLA

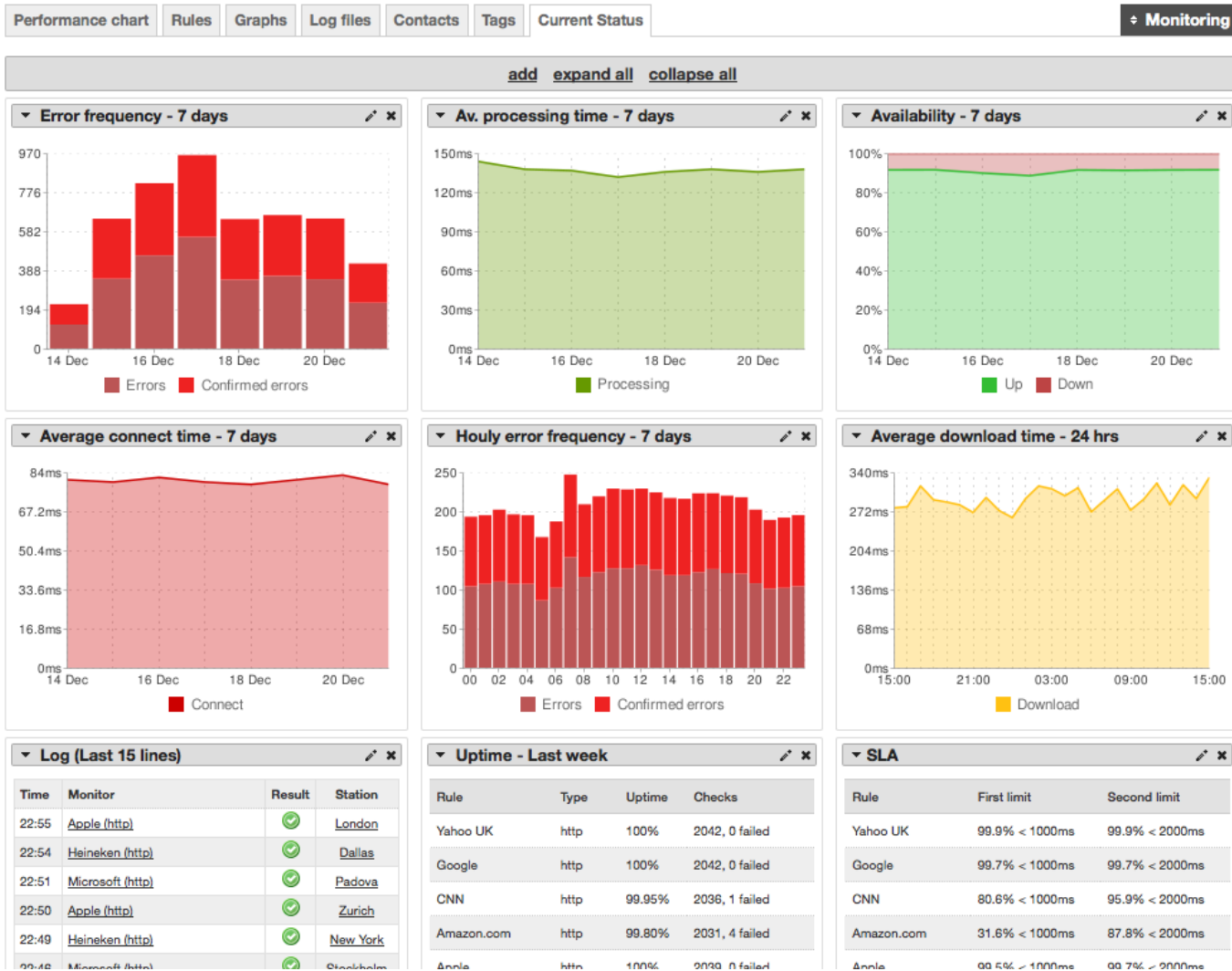| 98.5% Spam | 100% Virus | 1/300000 False Positive | 99.99% Availability |

Other Cloud Solutions

WebBasic - Company Portal

Nimsoft – Network Monitoring

Other Managed Services

- ❑ Web Hosting
- ❑ Domain Hosting
- ❑ VPS
- ❑ Microsoft Lync 2010
- ❑ IVRS Service
- ❑ Collocation/Dedicated Server
- ❑ Dedicated Leased Line
- ❑ Network Maintenance and Management
- ❑ 7x24 Support Centre

Government, Swire & Hotels

Industrial & Retail
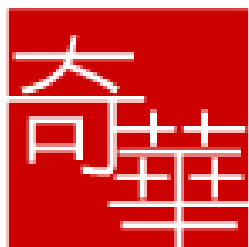
Service & China

Non-Profit & Education

Channel Partners

Case Study

- ❑ Customization of Sentry EDS Login Page, Console and SQR with Airport Authority logo and links

- ❑ Using TTAsia's Hosted Exchange 2010 platform to provide Good For Enterprise Mobile Device Management solution

Case Study

NEW WORLD
HOTELS

❑ Using Sentry EDS to route emails with the same domain name to different mail servers worldwide

LEOCH
理士電池
Leoch Battery

(HKSE: 842)

❑ Migrate 1,000+ mail boxes from legacy mail server to SyncMail in just one weekend

Why TTAsia – We Focus on Service

Expert in Email
- Shun Hing has over 55 years in providing customer services and TTAsia has been in email business for over 10 years
- Well connected with major email providers and anti-spam associations in the world

HK Based Service
- Located in 3 Data Centres in HK
- 7 x 24 Local Support by Phone or Email in HK

Customizable Solution
- Customizable Portal – Your Logo, Your Link, etc.
- Customizable Email Policy
- Customizable Implementation Plan

One-Stop Service
- End-to-End Service from planning, provisioning, migration to support by a dedicated email specialist
- Total Email Solution – EDM, Domain Hosting, Routing, Archiving, Encryption, Large Size File Transfer, etc.

Sentry EDS
- Advanced Email Filtering Gateway with Highly Flexible Email Policy, Real-time SMTP Log/Report and Email Routing Engine
- Industry-leading SLA (including Chinese spam)

Q&A

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