Mail-SeCure™
Zero-Hour™ Virus Protection

Whitepaper

Challenges in current day Virus protection

Virus distribution has significantly evolved throughout the years. Nowadays virus behavior is completely different than it was few years ago. New age viruses are distributed via Zombies (botnets) in short span (yet aggressive) attacks of 3-7 hours.

Most major anti-virus brands are developing a signature (immunity) for their clients in approximately ten hours from the new virus's release.
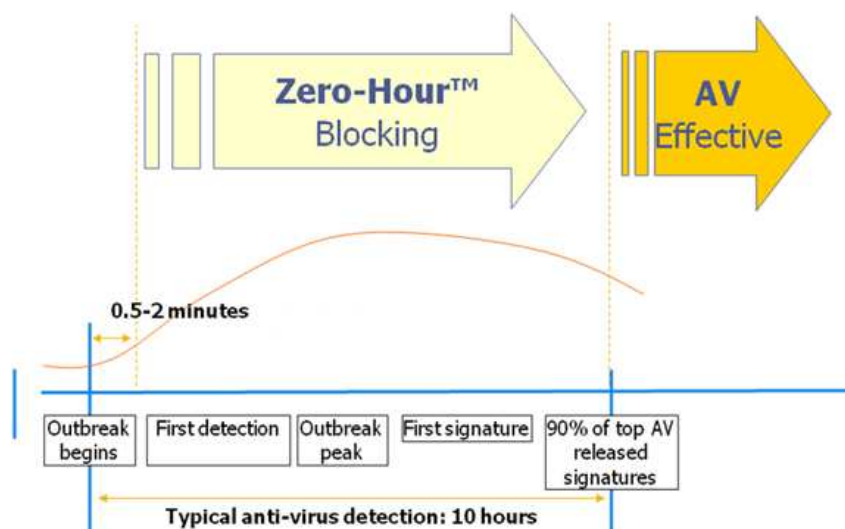
Thus, an unacceptable time-gap is created, during which customer is completely unprotected against new virus outbreaks. By the time the customer is protected from the virus, the previous virus is long gone, whereas a new attack, containing a different variant of the old virus is taking place, and the customer's Anti-Virus is yet again inefficient.

User protection in those crucial early hours is the most pressing challenge facing the AV industry nowadays. While large Virus outbreaks peak rapidly, signature-based AV can take hours to provide protection, leaving subscribers vulnerable for long periods of time. PineApp complements its Mail-SeCure solution with a powerful real-time protection from new Viruses.

PineApp's Zero-Hour Solution is based on RPD™ (Recurrent Pattern Detection) technology. RPD technology identifies Viruses based on their unique distribution patterns, with no need for time-consuming signatures to identify suspected messages.
With the Zero-Hour solution, PineApp adds a new revenue source while improving customer value.
• Zero-Hour Delivers Real-Time Virus Outbreak Protection and assists in blocking or delaying suspected messages <u>hours</u> before commercial signatures are available.
• Zero-Hour shortens the signature-making process, thanks to immediate alerts of new Viruses within minutes of their introduction into the Internet.
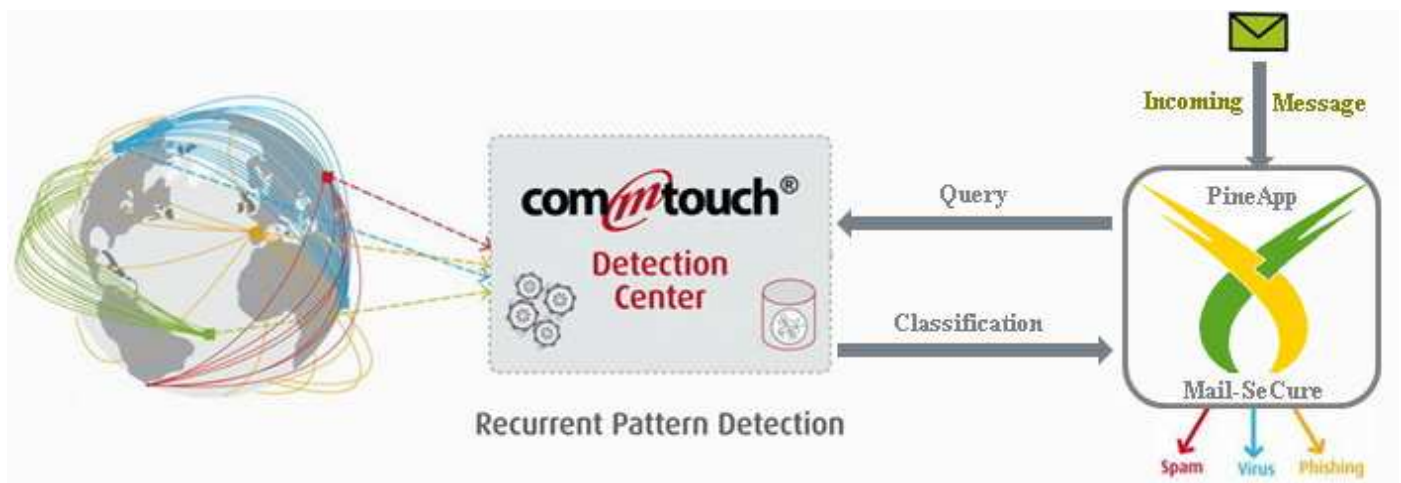
Performance and Integration
•Smallest Footprint: Single object integration
•Inherent flexibility: Zero-Hour fits into the vast majority of network architectures
•Zero-Hour maintains an amazing procession rate of Hundreds of messages per second
•Zero-Hour requires a very low CPU & memory to operate , since most threats are eliminated at the preliminary SMTP session phase.

Recurrent Pattern Detection™ (RPD) – How it Works

PineApp Mail-SeCure analyzes enormous amounts of real email traffic. By identifying recurrent patterns, it detects massive email outbreaks within minutes of their introduction into the Internet.

Zero-Hour Key Benefits:
•Best answer available for real-time virus protection
•Zero-Hour provides the quickest approach to respond to new outbreaks
•Zero-hour is based on proven RPD technology
•Fully automated solution, no customer configuration is required.
•Deterministic solution not heuristic, no guesswork)