



ALEPH TAV  
TECHNOLOGIES

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Security Testing at its best

Assess. Monitor. Analyze. Respond.





# Your Extended Security Team



Our vision:

To help people and enterprises embrace technology whilst being fully aware of the dangers it could pose to their credibility and business .

Established : Feb 2015

Current strength : 30+ and counting

Geography : Chennai, India

Customers : Regional and Global

Recognized by SiliconIndia among the **20 Most Promising Networking and Security Companies in 2016**

Partnerships : MSSP and Certified Implementation Partner for AlienVault  
Service Partners for multiple service providers in India, US and Europe

Service Portfolio : Aleph ( $\alpha$ ) to Tav ( $\omega$ ) of Security Testing

- ❖ 24/7 Managed Security Services
- ❖ Validation for Enterprise perimeters , Applications, Devices and Industrial Control Systems
- ❖ Compliance Monitoring and Reporting across HIPAA, PCI DSS, GLBA and EU DPR, ISO 27001
- ❖ Behavioral Analysis : Automated Asset Management / Simulated Phishing Attacks



# Security for the Enterprise

- Turning the flood lights on



## 24/7 Managed Security Service : Security Operations Center

- ❖ Security Incident and Event Management
- ❖ Log Management
- ❖ Intrusion Detection and Prevention
- ❖ Automated Asset Discovery
- ❖ File Integrity Monitoring
- ❖ Compliance Reporting
- ❖ Vulnerability Management
- ❖ On-Demand NoC



## On Demand Services

- ❖ Threat Modelling
- ❖ Vulnerability Assessment & Penetration Testing
- ❖ Security Assessment for Compliance
- ❖ BYOD Support
- ❖ User Profiling & Behavioral Analysis







# Security for the Application – Enterprise, Web and Mobile

- An open door beats a secure fence

Analyzing weak links and points of vulnerability that can compromise Integrity, Credibility and Trust

Tests covering:

- ❖ Software Development Life Cycle
- ❖ Application hosting platforms
- ❖ Content Management Systems
- ❖ Third-party integrations
- ❖ Business Logic
- ❖ Payment processing gateways
- ❖ Server-side misconfiguration
- ❖ Client scripting frameworks
- ❖ Intellectual Property theft
- ❖ Jailbroken, rooted devices
- ❖ Demographics & line of business
- ❖ Data privacy and availability
- ❖ Social Engineering Tests





# Managed and Ad-Hoc Compliance

- Its more fun with a process

24 / 7 Automated status monitoring for compliance-readiness

Ad-Hoc Support for Governance, Risk and Compliance

- ❖ PCI DSS
- ❖ HIPAA
- ❖ ISO 27001 / 27002
- ❖ EI3PA
- ❖ RFC 2196
- ❖ ETSI TC CYBER
- ❖ GPG 13
- ❖ GLBA / FFIEC Protective Monitoring
- ❖ IASME
- ❖ NERC CIP



# Security for the Internet of Things

- Envisioning privacy-by-design for devices, deployments and cloud services



## Enterprises and M2M Ecosystems

- ✓ Architecture and design
- ✓ Configuration, open ports
- ✓ Data lifecycle
- ✓ Device communication
- ✓ Authentication and Access control
- ✓ Logging, auditability and forensics
- ✓ ADHOC networks
- ✓ Damage Control and Breakdown Immunity

## Cloud Services

- ✓ Secure Implementation Flaws
- ✓ Securing API Keys , access tokens, resource URLs
- ✓ Securing container portals against storage enumeration
- ✓ Virtual networks and Shared Resources

## Device

- ✓ Embedded security controls hardening
- ✓ Secure interface design,
- ✓ Firmware, middleware vulnerabilities
- ✓ Cryptography constraints
- ✓ Backdoors and device cloning
- ✓ Device ecosystem and diversity

## Applications API/SDK

- ✓ Preventing interception and tampering of real-time data
- ✓ Preventing IP theft, reverse engineering and accessware
- ✓ Protection against Denial of Service attacks





# 2015-2016: A quick review

## Highlights

### Q1-Q2 2015

- **March 2015**
  - Company incepted, Commenced operation.
- **June 2015**
  - Opened to Clients.
  - Completed First Application Security Testing project for Web and Android.

### Q3 2015

- **July 2015**
  - Completed PoCs for custom-built web applications
  - Launched one of the most informative blog sites in this space  
<http://blogs.alephtavtech.com>
- **August 2015**
  - Started working with large online retailers
  - Implemented CSR Policy for Mobile App Start-ups.
- **September 2015**
  - Completed consulting assignment for database and content encryption for a leading document management system.

### Q4 2015

- **October 2015**
  - Partnership with AlienVault
  - Full capability service launch for IoT for Home Automation and Industrial Deployments.
- **November 2015**
  - Completed Enterprise security for a large life sciences corporation
  - Published a research paper on Industry-wide embracement of Cyber-security in India:  
<http://ow.ly/Wbz8t>
- **December 2015**
  - Successful partnerships in US and UK ( Channel and Service)
  - MoU with partners in Middle East, APAC and Africa.

### Q1 2016

- **January 2015**
  - Completed Security & Data Privacy Appraisal/Review Rating for 100 Android Applications on Google Play.
- **March 2015**
  - Rated as one among the 20 most promising networking and security companies in 2016 by SiliconIndia. <http://goo.gl/l3N5t9>



# Why us

We bring to you expertise , capability and capacity as an extended team



**Industry-specific**, pervasive knowledge of risks and attack vectors; 60+ years of combined experience



Growing organization **flexible** enough to adapt, listen and deliver



Effective Partnerships and Research investments to keep up with advancing cyber threats whilst always conforming to **globally-recognized standards ( SANS, NIST and OWASP)**



Strategic geography to attract best in class talent; Translates to best economies of cost for our customers (Certifications : CEH, CHFI, CPISI COMPTIA, OSCP, ECSA, CISSP)

## Domains



Web and Mobile Applications



Cloud, Big Data and IoT



Legacy Modernization



Enterprise Networks



SCADA, ICS and HMI systems



Specialized Services for Mergers and Acquisitions





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us**



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Thank You