

INTERNAL ON DEMAND VULNERABILITY SCANNER PRODUCT DETAILS

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THE PROBLEM

Internal IT security breaches caused by malicious hackers, own staff, viruses and trojans can occur at any time, but it may be several days before an organisation becomes aware of them, and by then it could be too late. PSN CoCo 2.7 and PCI DSS specify monitoring on a regular basis with retrievable output on-demand.

THE SOLUTION

To address this problem IT Security experts Encription Limited have developed a configurable internal vulnerability assessment security scanner that will:

- + Regularly (daily/hourly – your choice) scan the internal IT network for any changes including out of date server patching; such changes may signify an attack or indicate a security vulnerability.
- + Send a notification immediately of any changes found
- + Give a detailed resolution where appropriate.
- + Identify software that does not have the latest patch.
- + Provide a weekly/monthly/quarterly on-demand security analysis and trend report.

EXISTING USERS

The Scanner is in use at several Councils. References are available on request. .





INTERNAL VULNERABILITY SCANNER

THE PRODUCT AND SERVICE

1. Encription will load the client supplied security server (VM) with a Debian Linux based operating system. The server will be configured with Encription Limited modified vulnerability assessment tools specific to your requirements including the Tenable Nessus vulnerability scanner (as recommended by GCHQ CESG) and other GNU licensed security auditing tools including:

Nmap
Amap
Hping2
Xprobe
Nikto [Web server scanner]
Ike-scan [VPN Scanner]
Firewalk

ENCRPTION NSN TOOLS

SQLi Scanner
XSS Scanner
Defacement Detection

This will create a powerful, fast, flexible and cost effective security posture monitoring system.

2. The server will be installed with an easy to use web interface requiring no knowledge of the tools in use and will enable network administrators to schedule vulnerability scans.
3. Scan reports are available as HTML output or as PDF in easy to read format and contain fixes and links to further information where appropriate. The system provides vulnerability trend analysis and alerting should a new vulnerability be detected. The system may also be configured to provide a schedule PDF via email report to be sent daily, weekly, monthly to nominated recipients.
4. Results are retrievable on-demand.





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BENEFITS

- ✓ Earlier awareness of a potential attack or vulnerability
- ✓ Identification of out of date "patches"
- ✓ Your IT department will be able to deal with potential security problems more promptly and effectively
- ✓ Less time is spent by your IT staff on monitoring and more on being productive
- ✓ The risk and amount of any potential damage is considerably reduced
- ✓ It fulfils many IT audit requirements including PSN CoCo 2.7 quarterly scanning, PCI DSS (Payment Card Industry Data Security Standard), and the Data Protection Act
- ✓ Gives consistent and reliable verification to the audit process that regular internal IT security testing is taking place and allows historical results to be retrieved on demand.
- ✓ Telephone advice and guidance on the use and interpretation of all results produced.

NB. The tests are automated, it is still recommended that manual Penetration Testing of the system is performed at least annually.





INTERNAL VULNERABILITY SCANNER

OPTIONS

There are two options for the running of the Internal Security scanner, supported and un-supported, the choice depends on the amount of in-house IT security expertise the organisation has.

PRODUCT	SUPPORTED	UN-SUPPORTED
Scanner Hardware (Can be a virtual machine)	Supplied by client	Supplied by client
Install and configure scanner software	Included	Included
Nessus server Licence	Included	Included
Nessus ProfessionalFeed® Subscription	Included	Included
Encription software/tools Licence	Included	Included
Initial training	Included	Included
Telephone advice and guidance	Included	Not Included

