



encription

IT Security and Forensic Services

EXTERNAL VULNERABILITY SCANNER PRODUCT DETAILS

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encription

IT Security and Forensic Services

EXTERNAL VULNERABILITY SCANNER

THE PROBLEM

External IT security breaches caused by malicious hackers, and others, 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 require 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 vulnerability assessment security scanner that will:

- + Regularly (daily/hourly – your choice) scan the external IT network for any changes; such changes may signify an attack or indicate 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

This vulnerability scanning service is already in use by several Councils. References are available on request.





EXTERNAL VULNERABILITY SCANNER

THE PRODUCT AND SERVICE

1. Encription will give the client secure access to one of its remote security scanners which is loaded with a Debian Linux based operating system. Alternatively Encription can run these scans on behalf of the client on an agreed regular basis.

The server is configured with Encription Limited modified vulnerability assessment tools including the Tenable Nessus vulnerability scanner (as recommended by CESG) and other GNU licensed security auditing tools including:

Nessus
Nmap
Ike-Scan
Nikto
Hping3
xprobe

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 has an easy to use web interface requiring no knowledge of the tools in use and will enable network administrators to schedule external 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 as required by GovConnects/CESG.





EXTERNAL VULNERABILITY SCANNER

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.





EXTERNAL VULNERABILITY SCANNER

OPTIONS

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

(NB. Support requires VPN access to your system)

PRODUCT	SUPPORTED	UN-SUPPORTED
Scanner Hardware	Supplied by Encription	Supplied by Encription
Set up 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

