Web Application Scanning

We can provide you with a fully managed, automated service that is designed to significantly reduce the risk of an external or internal breach by introducing regular scanning of an application. Combining the latest scanning technologies and expert advice, our automated Web Application Scanning service provides you with peace of mind that your external and internal applications are scanned on an on-going basis with the best tools available.

How it works

Define parameters: We begin by defining the range of applications to be scanned, the frequency and the reporting. You will be allocated a Technical Account Manager (TAM) who will manage proactive alerting to pre-defined communication levels, contract and service level agreements and be available on tap for expertise and advice on remediation.

Scan: Scanning frequency will depend on your requirements and will ensure that you are covered throughout the year in between your regular annual penetration test. Scanning can be conducted daily with our daily delta scanning service, or monthly or quarterly for an in depth vulnerability scan. We recommend you consider a vulnerability assessment that works with your release, deployment and change process.

Analyse: The scan will provide full details of any vulnerabilities and the level of risk that they pose on an application. Our team will analyse the systems criticality and threat landscape after removing all the false positives.

Alert: We provide a tailored alerting service based on your risk profile and business use. These are defined from the parameters you set out at the beginning of the project.

Report: Regular application reports are provided, highlighting vulnerabilities that have been discovered, along with recommendations on how to remediate. Depending on the level of assessed threat, all identified vulnerabilities are assigned a risk rating of HIGH, MEDIUM or LOW - providing you with immediate and accurate remediation advice.

NCC Group also have Advanced Application Security Testing service and a Static Application Security Testing service.

Key Benefits

- **Mitigated risk:** Whilst penetration testing is necessary to give you an in-depth understanding of your weaknesses, NCC Group's service notifies you of new vulnerabilities on a much more frequent basis.
- **Improved change control:** If new hosts are added to your network or your network configuration is changed, NCC Group will alert you. This means that infrastructure changes will not happen under the radar.
- **Increased time for higher value activity:** If you are currently running vulnerability scanning tools then you know first-hand how much time and effort is required to conduct this repetitive task. NCC Group provides this as part of the managed service which frees you from this onerous activity and allows you to focus on higher-value activity.
- **Reduced costs:** As the service is provided by NCC Group's dedicated security monitoring team it can be provided cost effectively; often at a fraction of the price of if you were to carry out the task yourself.
- **Improved security posture:** NCC Group continually evaluates the tools in the vulnerability scanning market to ensure that the most appropriate and effective technologies available are used to scan your network infrastructure.

FAQs

1. What sort of vulnerabilities will the scan detect?

Our scanners will attempt to identify common web application vulnerabilities that can be detected by an automated process. These will include Injection attacks (SQL Injection, Command Injection etc.), Cross Site Scripting, Cookie Security, Data Exposure and Invalidated Redirects/Forwards. In addition to these, our scans will also perform an assessment of the underlying web server for issues relating to:

- Unpatched operating systems and externally facing software;
- Insecure configuration of externally facing services;
- Unnecessary externally facing services.

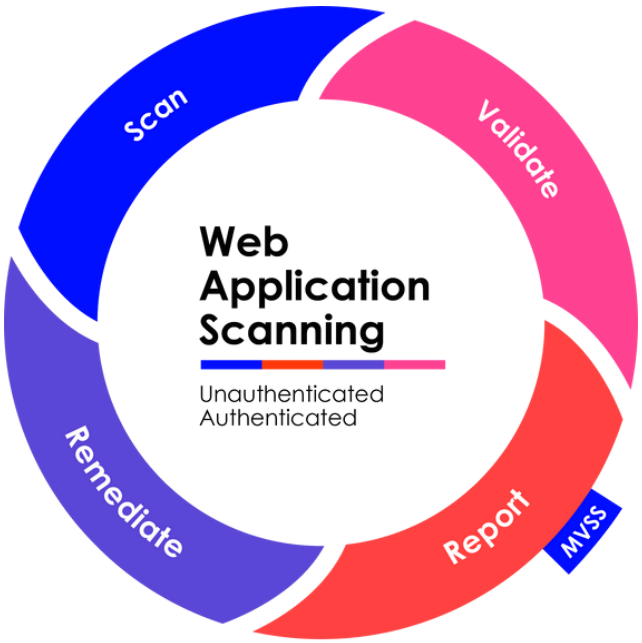
2. How much of the service being provided is automated and how much is manual?

The scanning we deliver is done entirely using automated commercial vulnerability scanners. This means that we will always conduct a fully automated vulnerability scan against the target application as the first step of the exercise. As part of the Managed Service being delivered, the second stage of the assessment is the manual validation of the results that have been returned by the scanner. This is done in two steps:

- A manual validation of the scanner findings to remove any false positives from the report
- A manual review of the scanner findings to add any false negatives to the report Doing these two steps should ensure accuracy and consistency in the results being presented to you following a scan from NCC Group.

3. Do you require credentials for the web application?

Our standard web application scanning service is conducted from an unauthenticated perspective, so no credentials are required. However, we can deliver authenticated assessment of web applications if required.



About NCC Group

NCC Group is a full-spectrum cyber security specialist delivering the expertise and solutions to research and mitigate threats and vulnerabilities and secure citizen services from initial design right through to day-to-day operation.

In the UK, the nation's digital infrastructure and public services are now central to how citizens live, work, learn and play. They are also core to the UK's national security and international success. Which is why we've made it our mission to create a safer, more resilient United Kingdom.

NCC Group partners with public sector organisations to help develop resilient digital solutions where security is an enabler, not a barrier.

We'll help you turn your strategy into real-world services that balance high-trust, proven security measures with intuitive ease of use for citizens. We'll support you with world-class experts who will test and refine your security, systems and infrastructure against both existing and emerging threats.

Ultimately, we provide continuous assurance that the systems, services and infrastructure the country relies upon, are resilient in the face of today's sophisticated cyber security threats. Whether it's national security programmes, digital transformation initiatives or the delivery of local services, we help secure the UK's citizens in the digital world.

NCC Group's Unmatched Capabilities in Public Sector Protection

NCC Group has a number of distinct advantages in the public sector market.

We understand public sector objectives and the challenges in accomplishing them — so we can tailor our solutions to help customers make tangible real-world progress towards their most important outcomes.

We have both depth and breadth of technical capability — from managed detection and response to threat intelligence and cloud services, we NCC Group has a number of distinct advantages in the public sector market.

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