



» SERVICES



THE QUEEN'S AWARDS
FOR ENTERPRISE:
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Category 'Best
Security Company'

Infrastructure
Assessment

Infrastructure Assessment

Information Systems security is of paramount importance to an ever-increasing number of organisations. NGSConsulting offers clients a unique range of infrastructure assessment services. By deploying our expert knowledge and advanced technical security skills we can help mitigate the risks to our clients' systems architecture presented by an escalating variety of threats.

The infrastructure assessment services offered by NGSConsulting extend beyond the remit and expertise of many consulting groups. Our consultants are acknowledged world leaders in application vulnerability research, and security assessment. The infrastructure assessment services provided by NGSConsulting allow our clients to secure their critical infrastructures, as well as gaining a detailed and comprehensive view of their current and future threat levels and exposure.

This document details the infrastructure assessment services offered by NGSConsulting, discusses the methodology that lies at the heart of all assessments, describes the benefits of selecting NGSSoftware as a service provider, and outlines the key deliverables of the infrastructure assessment process.

» Services

NGSConsulting provide a range of infrastructure assessment services. The services offered can be performed as separate assessments or for part of a comprehensive infrastructure assessment. The infrastructure assessment process is designed to identify all security vulnerabilities and departures from best practices that are likely to pose a threat to the integrity and confidentiality of our clients' digital information assets. Extended service offerings include:

- » **Firewall Assessment** - Specialised study of perimeter firewalls from both a host perspective and policy design efficiency.
- » **Wireless Network Assessment** - A range of leading wireless (WiFi and 802.x) discovery, evaluation and secure deployment services.
- » **Intrusion Detection Systems Assessment** - Evaluation of IDS / IPS deployment and effectiveness at detecting or blocking attacks.
- » **Workstation Security Assessment** - A selection of services designed to rapidly evaluate the security of large distributed workstation environments.
- » **Database Security Assessment** - A unique study and evaluation of the secure configuration of data structures and configuration of an organisations most important hosts

» Methodology

The Infrastructure assessment services offered by NGSConsulting are defined by a methodology that ensures that our clients can increase the security of their infrastructures, without impacting upon productivity. The elements that combine to create the methodological framework are:

» Initiation

During this phase, NGSSoftware's Consultants liaise with the client to determine the scope, limitations and timescales of the project. This ensures that from the inception of an engagement the client is fully informed as to what will and will not occur during the assessment.

» Review

The existing architecture of the client infrastructure is established during this stage of an assessment. During this stage of the assessment process NGSSoftware's Consultants will develop a detailed overview of the infrastructure, potential security vulnerabilities, and threat levels.

» Exploit

During this phase of an assessment, NGSSoftware's Consultants will work with the clients' technical staff and, in a controlled manner, exploit potential security vulnerabilities in the infrastructure. Additionally, this phase will see Consultants deploying their expert knowledge in defining bespoke vulnerabilities and the establishment of infrastructure security threat exposure.

» Recommend

Based upon the review of infrastructures and the exploitation of vulnerabilities, NGSSoftware's Consultants will offer remediation recommendations to the client. These recommendations are based upon the findings of the assessment process, current and future threat levels, and the requirements of the client.

» Document

During this phase, a detailed Final Report is created, containing the various findings and recommendation as a result of the infrastructure assessment.



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» Benefits

Selecting NGSConsulting as suppliers of Infrastructure Assessment services has a number of key benefits. These are:

- » Infrastructure assessments provided by NGSConsulting provide a detailed overview of existing security vulnerabilities with an infrastructure. As a result of our expert knowledge in the field of vulnerability research, our Consultants can provide insight into developing threats and as yet undisclosed vulnerabilities.
- » The infrastructure assessment process allows clients to develop a proactive digital defence strategy. By both focusing on specific elements within the infrastructure, or the overall infrastructure itself and creating a uniquely tailored approach.
- » The assessment services provided by NGSConsulting are conducted using a mix of proprietary software developed by NGSSoftware, best-of-breed commercial and underground tools, as well as our consultants' knowledge & experience.

» Deliverables

During the Infrastructure Assessment process, NGSSoftware's Consultants are available to discuss any results that may have been formulated, as well as outlining the processes involved.

The key deliverables throughout the assessment consist of:

- » Immediate notification to our clients of any high-risk vulnerabilities as and when they are discovered.
- » Delivery of interim reports detailing testing completed and findings at the end of each working day.
- » Scheduled conferences at the beginning of each day to discuss issues identified in previous daily reporting.
- » Consultants will be available at any point during the assessment process to discuss any issues that may arise.
- » A Final Report encompassing all activities and findings during the course of the assessment. This report is split into several key sections:
 - » **A Management Summary** listing areas of weakness within the installed infrastructure and their respective business impacts.
 - » **An Assessment Overview** detailing the scope and objectives of the project undertaken, and the methodology utilised by the Consultants.
 - » **Technical Findings** detailing any security vulnerabilities discovered during the testing process, and providing detailed explanations of all the security implications. Comprehensive remediation information will be supplied including alternatives should the preferable solution be impractical.
 - » **Conclusions** detailing managerial and technical recommendations to the client, with a view to mitigating short term risks, as well as long term strategic solutions.
 - » **Exploit Code** - Where applicable NGSConsulting will provide the unique service of providing clients with demonstration exploit code.
 - » **Additional Recommendations** - Where the client is unable to fix any affected elements, or the costs of doing so is prohibitive, NGSConsulting will provide a range of recommendations to mitigate any vulnerabilities discovered during the testing process.
- » A presentation to technical or management staff follows the delivery of the final report.

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