



» SERVICES



THE QUEEN'S AWARDS
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Security Company'

Security Design Services

NGSConsulting offers a thorough range of security design services. The services offered include: network security architecture design, system hardening, intrusion detection system (IDS) design, as well as solutions deployment strategies and design. The security design services offered by NGSConsulting affords our clients the ability to construct a well-conceived posture with regard to defending against an increasing range of network security threats and application vulnerabilities.

Retaining an advantage over would be digital intruders (both external and internal) can be a time intensive and costly process. While protecting an enterprise network environment can be a daunting task thanks to the ever escalating nature of threat; by selecting NGSSoftware's security design services, our clients can significantly reduce the cost and time burdens, and thus attain a quicker return on investment.

- » **Network Security Architecture Design** - The network security architecture design services offered by NGSConsulting assists clients in developing a secure, customised architecture designed to address the current and future needs of the enterprise. NGSSoftware's Consultants conduct a collaborative review of existing network architecture and define client led security requirements. Consultants are able to draw upon a pool of the worlds top security researchers and consultants to provide cutting-edge security advice. This experience ensures that our clients receive leading advice to combat today's threats - helping to ensure that all solutions are secure, manageable, flexible, and capable of combatting future security threats.
- » **System Hardening** - A vital element in ensuring that a client's business applications and data remain secure is through systems hardening. During the systems hardening process Consultants assess the business and technical requirements as well as the limitations of each client server and system in place. Following an initial analysis phase, Consultants work in tandem with the client to develop hardening scripts and secure configurations for applications within the environment. The system hardening process is conducted according to "best-practice" principles - ensuring operability is not lost and an assertive security posture.
- » **Intrusion Detection System Design** - Intrusion detection systems can help reduce enterprise risk dramatically. However, this is only the case if the IDS solution in place has a governing set of principles with regard to both policy and procedure. The IDS design service offered by NGSConsulting allows clients to fully understand the limitations and advantages of both anomaly detection and signature based IDS, as well as helping to define policies and procedures that mitigate their risk exposure.
- » **Solutions Deployment Strategies** - The solutions deployment strategies service offered by NGSConsulting allows clients to determine and design highly relevant security infrastructures. NGSConsulting provides vendor neutral advice, ensuring that any guidance given as part of this process is bereft of marketing hyperbole. Expert Consultants assist clients in defining the best location, installation and choice of security products to suit their enterprise needs. NGSConsulting also assists clients by developing a detailed overview of the ongoing management and maintenance of selected solutions, and their impacts upon the overall security posture of the enterprise.

» Methodology

The Security Design Services offered by NGSConsulting are defined by a methodology that ensures our clients can increase security without reducing productivity. The elements that combine to create the methodology are:

- » **Initiation** - During this phase Consultants liaise with the client to determine the scope, expectations, limitations and timescales of the project. This ensures that from the inception of a project the client is fully informed of what is, will and will not occur throughout the duration of the engagement.
- » **Review** - The existing architecture of the client networks, systems and solutions is established during this phase of an engagement. By working closely with client staff, Consultants can assist in a detailed overview of the current security levels, and their implications.
- » **Recommend** - NGSConsulting will offer their recommendations during this stage, based upon a thorough understanding of a client's current levels of security and detailed review process. These recommendations are based upon knowledge of existing solutions, current and future threats, as well as the security expectations of the client.
- » **Document** - During this phase a detailed Final Report is created, containing the various findings and recommendations of the NGSConsulting process. Additionally, policies and procedures for risk mitigation, network diagrams and solution recommendations are included - dependant upon the nature of the engagement.

» Benefits

Selecting NGSConsulting as suppliers of Security Design services has a number of key benefits. These are:

- » NGSSoftware's Consultants are internationally recognised as being world leaders within applications vulnerability research, secure coding, and cutting-edge security knowledge. Our unique expertise allows our clients to leverage industry leading security know-how.
- » The services offered by NGSConsulting are bespoke and client led. This ensures that the services are customised to meet business, and security requirements or pressures.



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- » The security design services offered by NGSConsulting maximise both the personnel and technological assets of our clients.
- » A well-established methodology and thorough documentation allow NGSConsulting to offer clients not only a secure solution to their enterprise needs, but a solution that can be reactive enough and comprehended in sufficient detail to ensure that future deployment and development initiatives are conducted with ease.

» Deliverables

Although there are a number of deliverables built into the Security Design services process (e.g. client requirements, deployment notes etc.) and these deliverables are pre-defined by the client requirement, in most instances the key deliverable is the Final Report. The Final Report allows NGSConsulting's clients to assess all actions that have been carried out and any recommendations made. Other deliverables during the security design services process include:

- » 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, findings and recommendations during the course of the Security Design services process. The Final Report is divided into several key sections:
 - » **A Management Summary** listing areas of weakness with the installed applications and existing infrastructures and their respective enterprise impacts.
 - » **Security Design Service Overview** detailing the scope and objectives of the project undertaken, and the methodology utilised by NGSConsulting in fulfilling client requirements.
 - » **Technical Findings** detailing any security vulnerabilities discovered during the service process, and providing detailed explanations of all the security implications. Comprehensive remediation strategies and recommendations are made as required according to requirements.
 - » **Conclusions** detailing managerial and technical recommendations to the client, with a view to mitigating short term risks, as well as long term strategic solutions.
 - » **Additional Recommendations** - Where the client is unable to patch any affected products, install software, or the costs of doing so is prohibitive, NGSConsulting will provide a range of recommendations to mitigate risk factors.
- » A presentation to technical or management staff follows the delivery of the final report.

» Contact Details

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