

NGSSQUIRREL FOR SQL SERVER



Protecting the security of enterprise database servers is of paramount importance. In an age of ever escalating threats ensuring that sensitive data remains confidential is a significant concern to many organisations.

Adequately ensuring that database security is maintained is a challenge that many organisations face. It is a challenge that must be met and overcome, if the risks posed by security threats are to be minimised. Microsoft SQL Server is a relational database management system that forms an integral part of the BackOffice family of servers. In an enterprise environment that demands factors of performance, scalability and reliability, SQL Server delivers. With sophisticated back office systems come a range of vulnerabilities and risk factors, which can lead to a decrease in productivity, lost revenues, and stolen data.

NGSSQuirreL is an innovative vulnerability assessment tool specifically developed to scan Microsoft SQL Server 7, 2000 and 2005. NGSSQuirreL allows system administrative staff to quickly and easily discover a range of vulnerabilities on their servers before attackers do. Unlike many of the conventional applications available, NGSSQuirreL allows user to generate bespoke solutions that can be applied to servers at the click of a button, ensuring the security of databases is maintained.

Product Overview

NGSSQuirreL forms part of NGSSoftware's suite of Intelligent Next Generation Security Assessment tools. NGSSQuirreL enables network administrators and security professionals to quickly audit the security of client SQL server infrastructures.

It allows systems administrators and security professionals to quickly and easily assess SQL Servers for a variety of security vulnerabilities and deficits. The application comprehensively scans SQL Servers for thousands of possible security threats. NGSSQuirreL allows users to quickly find the faults and their weaknesses in their database environment, before malicious attackers do. Unlike many other applications that only find 'holes' in security infrastructures, NGSSQuirreL allows systems professionals to quickly evaluate the level of risk they are exposed to, and if required, fix the majority of discovered vulnerabilities.

NGSSQuirreL is one of the fastest and most comprehensive SQL Server security-auditing tools currently available. Designed and developed by the worlds leading vulnerability researchers (who between them have discovered more vulnerabilities than any other company during 2002 and 2003), NGSSQuirreL is the best defence against threats to your database security.

Features and Benefits

NGSSQuirreL has a number of key benefits, these include:

Variable Audits

It permits users to conduct variable levels of audit, namely Quick, Normal and Full. During the course of a quick audit NGSSQuirreL will identify high severity security vulnerabilities. The Normal audit process includes high severity vulnerabilities as well as informational data (e.g. privileges etc.). The NGSSQuirreL Full audit includes high-risk vulnerabilities, informational data, as well as detailing a variety of other vulnerabilities that servers are not at present exposed to. The unique ability to adjust the depth at which NGSSQuirreL conducts audits allows system administrators to mould the application to their requirements with regard to time and security.

Reporting

NGSSQuirreL provides a range of output formats for scan results. Results can be returned in either plain text, HTML, dynamic HTML, rich text format, Microsoft Excel, or written to an SQL database for later evaluation and analysis.



Global leadership

NGS leads the world in a number of key areas, including:

- Enterprise level application vulnerability research, database security, the development of sophisticated security software and expert consulting services.
- The NGS Team includes internationally renowned security researchers and CHECK Team leaders.
- Our Research Team is constantly hard at work to combat the ever-growing and increasingly sophisticated threats to software security.
- Based in the United Kingdom we provide our services to some of the largest and most demanding organisations around the globe.
- NGS have published more advisories regarding high-level enterprise application vulnerabilities than any other security company.
- NGS are a trusted computer security partner for some of the largest companies in the world – and for many key government departments.

Always up to date

Because the security landscape is in a continual state of flux, it is vital that administrators gain access to the latest known vulnerabilities. NGSSQuirreL is supplied with an ongoing support contract that allows users to download updated vulnerability definitions for the application database as, and when, they become available. As well as assessing the security of SQL Servers based upon known vulnerabilities, it also routinely scans for as yet unpublished vulnerabilities that have been discovered by the security research team at NGSSoftware.

Comprehensive

NGSSQuirreL scans servers for thousands of potential security vulnerabilities. The application routinely checks for patch levels, objects and statement permissions, login and password authentication mechanisms, stored procedures and start up procedures. A team of globally recognised vulnerability researchers who have secured some of the largest enterprise environments worldwide supports the application. NGSSQuirreL is also fully compatible with Microsoft .NET (RC1) Server environments. Another feature of NGSSQuirreL is that it ships with NGSSQLCrack, a powerful password auditing application for SQL Servers.

Security Manager

The NGSSQuirreL for SQL Server Security Manager is a powerful utility that provides users with an easy way to resolve issues and vulnerabilities discovered by NGSSQuirreL for SQL Server during the course of a scan. Using this built in tool, it is possible to administer and manage logins, roles, databases & extended stored procedures (without needing third party software).

Security Browser

The NGSSQuirreL for SQL Server Security Browser is an integrated component that allows the user to browse and audit the security settings of the database or instance. The Security Browser also allows the user to create custom checks from any of the nodes displayed by the browser.

One Click Fix

An incredibly useful feature of NGSSQuirreL is the ability to generate SQL Lockdown Scripts. When NGSSQuirreL discovers vulnerabilities it generates lockdown scripts that can be employed to remedy any issues automatically. Should systems administrative staff choose to deploy these scripts, they can be used to patch the servers with a click of the mouse.

Other Features and Benefits

.NET compatibility and checks for start-up procedures, stored procedures and sysxlogs tables. NGSSQuirreL also checks for a wide variety of obscure backdoor vulnerabilities (such as BUILTIN\Administrator xstatus).

System Requirements

Microsoft Windows Server 2003/2008
 Microsoft Windows 2000
 Microsoft Windows XP
 Microsoft Windows Vista
 Microsoft Windows 7
 Hardware: 2 GHz Pentium Processor (minimum)
 Memory: 1 GB RAM (minimum)
 Disk space: 40MB free disk space
 Other Software Requirements: Microsoft SQL Server 7, 2000, 2005 and/or 2008 Databases to Scan
 Internet Browser

ACCREDITATIONS



CLAS

CESG Listed Adviser Scheme



CTAS

CESG Tailored Assurance Service



QUALIFIED SECURITY ASSESSOR



CHECK

IT Health Check Service

Our customers include:

- Comic Relief
- Microsoft
- Commerzbank
- McAfee
- Centennial Software
- Eracent



Why NGS?

NGSSoftware draws on both the insights of our world-beating research department and the highly practical expertise of our consultancy services; this helps ensure NGSSoftware's solutions are some of the most effective and up-to-date you can find.