

SQL Server Security Best Practices

Isolate Your Server



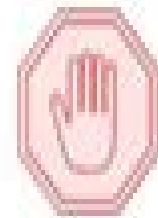
Keep It Lean



Update Regularly



Apply Restrictions



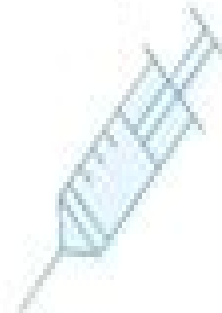
Manage Logins



Secure Backups



Protect Against Injection



Monitor Continuously



Sql Server Security

Thomas Glörfeld



Sql Server Security:

SQL Server Security Distilled Morris Lewis, 2004-04-05 SQL Server is the dominant relational database in the Windows market and data security is a huge and growing concern for all businesses Securing SQL Server is one of the most important responsibilities of the SQL Server professional SQL Server Distilled Second Edition is a very carefully researched clearly explained book on securing SQL Server by an author who knows SQL Server inside and out If you follow the practical guidelines that are clearly set out in this book then you stand a very good chance of making sure that the data stored in your database is secure and that the conversation between your applications and the database is secure preventing SQL injection attacks etc For example any database administrator who implemented the security precautions detailed in the book would not have been affected by the infamous Slammer virus This second edition offers practical advice on how to implement good practices that will ward off future viruses before they are even created and it contains new content that reflects all updates to SQL Server s security mechanisms

Securing SQL Server Denny Cherry, 2012-07-17 SQL server is the most widely used database platform in the world and a large percentage of these databases are not properly secured exposing sensitive customer and business data to attack In Securing SQL Server 2e readers learn about the potential attack vectors that can be used to break into SQL server databases as well as how to protect databases from these attacks In this book written by Denny Cherry a Microsoft SQL MVP and one of the biggest names in SQL server today readers learn how to properly secure a SQL server database from internal and external threats using best practices as well as specific tricks the authors employ in their roles as database administrators for some of the largest SQL server deployments in the world Denny Cherry is what would happen if Bill Gates and AC DC got together to create a sibling He s a bare knuckles no holds barred technologist and you can bet that if he tells you that something does or doesn t work he s speaking from experience Active in the community his passion is sharing You ll enjoy this book Buck Woody Senior Technology Specialist Microsoft Presents hands on techniques for protecting your SQL Server database from intrusion and attack Provides the most in depth coverage of all aspects of SQL Server database security including a wealth of new material on Microsoft SQL Server 2012 Denali Explains how to set up your database securely how to determine when someone tries to break in what the intruder has accessed or damaged and how to respond and mitigate damage if an intrusion occurs

SQL Server Security David Litchfield, 2003-10-15 Addresses SQL Server vulnerabilities and provides security solutions Covers installation administration and programming plus security issues such as authentication encryption intrusion detection and more Written for IT professionals administering or programming any SQL Server based application includes coverage of SQL Server 7 SQL Server 2000 and SQL Server Yukon

SQL Server Security Thomas Glörfeld, 2013-08-08 Alles Wissenswerte rund um Security mit SQL Datenbanken F r Datenbankentwickler Betriebswirte und Projektleiter Stand SQL Server 2012 Aus dem Inhalt Aufwand vs Sicherheit Was ist angemessen Sprich Freund und tritt ein Authentifizierung Benutzer und Rollen Rechte

Der Unterschied zwischen Wollen und Können Softwarearchitektur und Datenbank Sicherheit Rechteverteilung in der Anwendung SQL Injection Verschlüsselung mit Zertifikaten und asymmetrischen Schlüsseln Symmetrische Verschlüsselung Daten hashen und signieren Security Features rund um gespeicherte Prozeduren Auditing Andere bewährte Vorgehensweisen Umgang mit Meldungen bei Sicherheitslücken In diesem Buch geht es um typische Angriffe zu denen Schwächen und Sicherheitslücken in Datenbank Anwendungen miteglicheweise geradezu einladen Das Themenspektrum das in diesem Buch abgehandelt wird reicht von Einsteigerthemen wie die effektive Nutzung von Rechten Logins User und Gruppen bei den verschiedenen Verschlüsselungsmöglichkeiten der Daten bis hin zu Expertenthemen wie die Signierung von SQL Code Die bekannt gewordenen Angriffe der letzten Jahre zeigten zwar dass auch bei der Administration von IT Systemen eklatante Mängel vorkamen dass die wirklich gravierenden und entscheidenden Sicherheitsprobleme aber durch die Anwendungen selbst verursacht wurden Es geht also vorrangig darum die Möglichkeiten und Grenzen bei der Entwicklung von Datenbank Anwendungen aufzuzeigen zumal mit den Mitteln die SQL bereit stellt bereits viele Schwierigkeiten umschifft werden können Das Buch richtet sich vornehmlich an Software Entwickler darüber hinaus aber auch an Betriebswirte die verstehen wollen warum manche einfache Vorgaben einen immensen Aufwand verursachen sowie an Projektleiter die schon bei der grundlegenden Architektur der Anwendung Sicherheitsaspekte berücksichtigen wollen Sowohl Einsteiger die sich mit den Grundlagen der SQL Security vertraut machen wollen als auch Fortgeschrittene die tiefer in die Materie eintauchen möchten werden von diesem Buch profitieren Thomas Glärfeld studierte Informatik mit Schwerpunkt Datenbanksysteme Seit 1995 beschäftigt er sich als Berater mit der Sicherheit rund um SQL Datenbank Anwendungen seit der Version 4.21 für den Microsoft SQL Server inkl. Absteiger zum Sybase SQL Anywhere

Securing SQL Server Peter A. Carter, 2016-10-21

Protect your data from attack by using SQL Server technologies to implement a defense in depth strategy performing threat analysis and encrypting sensitive data as a last line of defense against compromise The multi layered approach in this book helps ensure that a single breach doesn't lead to loss or compromise of your data that is confidential and important to the business Database professionals in today's world deal increasingly often with repeated data attacks against high profile organizations and sensitive data It is more important than ever to keep your company's data secure Securing SQL Server demonstrates how administrators and developers can both play their part in the protection of a SQL Server environment This book provides a comprehensive technical guide to the security model and to encryption within SQL Server including coverage of the latest security technologies such as Always Encrypted Dynamic Data Masking and Row Level Security Most importantly the book gives practical advice and engaging examples on how to defend your data and ultimately your job against attack and compromise Covers the latest security technologies including Always Encrypted Dynamic Data Masking and Row Level Security Promotes security best practice and strategies for defense in depth of business critical database assets Gives advice on performing threat analysis and reducing the attack surface that your database presents to the outside

world What You Will Learn Perform threat analysis Implement access level control and data encryption Avoid non reputability by implementing comprehensive auditing Use security metadata to ensure your security policies are enforced Apply the latest SQL Server technologies to increase data security Mitigate the risk of credentials being stolen Who This Book Is For SQL Server database administrators who need to understand and counteract the threat of attacks against their company s data The book is also of interest to database administrators of other platforms as several of the attack techniques are easily generalized beyond SQL Server and to other database brands [SQL Server: Security, Encryption, and Masking](#) ,2018 Learn how to build more secure applications using the advanced security features in SQL Server 2017 row level security data encryption and data masking **Mastering SQL Server 2000 Security** Mike Young,Curtis W. Young,2003-06-17 Learn how to protect corporate information by properly designing managing and maintaining security at the database level Security is a primary concern in all aspects of development and IT administration While locking down networks and erecting firewalls will always be necessary so much more can be done to protect a corporation s most valuable intangible assets accounting records customer lists and inventories Microsoft SQL Server 2000 has proven itself to be the fastest and most reliable product available for protecting corporate data No other book covers as thoroughly the subject of security design and implementation strategies Mastering SQL Server 2000 Security fills that gap in literature with practical hands on advice Packed with indispensable design information that can make a tightly secured database faster and easier to use this book is essential reading for both administrators and developers of databases The authors explain just how much more is possible in the task of protecting corporate information by properly designing managing and maintaining security at the database level From this book you will Learn the ins and outs of SQL Server 2000 Security design Understand the implementation differences between SQL Server Authentication and Windows Authentication Understand the security options in SQL Server 2000 for Internet applications Integrate the security of Windows 2000 Kerberos into your SQL Server deployment Master the security requirements for distributed data environments such as DTS replication linked servers and data warehousing [SQL Server Security](#) David Litchfield,2003-08-22 Addresses SQL Server vulnerabilities and provides security solutions Covers installation administration and programming plus security issues such as authentication encryption intrusion detection and more Written for IT professionals administering or programming any SQL Server based application includes coverage of SQL Server 7 SQL Server 2000 and SQL Server Yukon **SQL Server: Security, Encryption, and Masking** Joey D'Antoni,2018 **Mastering SQL Server 2008** Michael Lee,Gentry Bieker,2009-01-16 As Microsoft s bestselling database manager SQL Server is highly flexible and customizable and has excellent support the 2008 version offers several significant new capabilities This book offers accurate and expert coverage on the updates to SQL Server 2008 such as its enhanced security the ability to encrypt an entire database data files and log files without the need for application changes a scalable infrastructure that can manage reports and analysis of any size and complexity and its extensive

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