

Validian™ Protect Security middleware

Develop and deploy
secure applications
with **control** and
confidence

Introduction

In today's interconnected world, protecting your sensitive information and valuable content is not just important, it's critical.

With vulnerabilities existing throughout the paths of communication that link your employees, partners and customers, implementing end-to-end safeguards is the most effective form of protection.

With **Validian Protect**, protection against information is seamlessly and efficiently embedded directly within your critical applications, sealing the gaps in the networks and host systems that weaken your overall information security profile.

Validian Protect's unique approach of utilizing a responsive configurable security facility within the application allows your development staff to rapidly develop secure applications and your IT staff to enjoy unparalleled visibility and control over security configuration and communication activity.

The result: a cohesive, un-compromised solution for the security of your information, a near-perfect alignment to corporate security goals, and peace of mind that your data is provided with the level of protection it deserves.



Overview

- intuitive C++ or .NET APIs that accelerate the development and ease the integration of collaboration-oriented capability directly within applications
- comprehensive set of runtime services that deliver robust security facilities for automated authentication, encryption, and credentials management, and flexible communications functions such as endpoint presence management and address resolution, connection and network error management out-of-the-box
- centralized policy administration that allows modification of security policies such as encryption algorithm, key length, or credential lifetime, and control communication parameters such as authentication modes and data compression levels dynamically, and in real-time and deploy without having to re-develop or re-install applications
- centralized management for the application security environment and automatic, transparent distribution of credentials and policy updates
- distributed architecture for both improved scalability and redundancy in large capacity application deployments

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Features

- Support for multiple application architectures
 - Client/Server, Server/Server, and Peer-to-Peer
- Highly-abstracted developer API (12 classes) for simplified secure message sending/receiving and exception notification
- Self-paced, tutorial applications for easy developer ramp-up and enhanced productivity
- Flexible logging facility allowing selected events to be saved in various target formats
- Ten (10) levels of data compression
- Self-generated and automatically managed application and service point credentials (no need for third-party certificates)
- Three (3) modes of authentication
 - no authentication, server-side only, or mutual authentication
- Three (3) policy update frequencies
 - at application initialization, on fixed schedule, or prior to each message send.
- Twenty-six (26) encryption algorithms (Enterprise Edition)
 - AES, Blowfish, Camellia, CAST128, CAST256, DES, DES_EDE2, DES_EDE3, DES_XEX3, GOST, IDEA, MARS, RC2, RC5, RC6, Rijndael, SAFER_K, SAFER_SK, Serpent, Shark, Skipjack, Square, TEA, Threeway, Twofish, XTEA
 - Plug-in crypto architecture for adding customer-specific encryption algorithms
- Seven (7) encryption algorithms (FIPS Edition)
 - AES, DES, DES_EDE2, DES_EDE3, DES_XEX3, Rijndael, Skipjack
 - Plug-in crypto architecture for adding customer-specific encryption algorithms

System Requirements

Validian™ Protect Server 2.0

- Windows Server 2003 or Windows Server 2008
- 1 GB RAM
- 40 MB disk space
- Intel Pentium 4 or equivalent
- Static IP address and dedicated firewall port

Validian™ Protect SDK 2.0

- Windows XP or Windows Vista
- 1 GB RAM
- 40 MB disk space
- Intel Pentium 4 or equivalent
- Visual Studio 2005

Validian™ Protect Runtime 2.0

- Windows XP, Windows Vista, Windows Server 2003 or Windows Server 2008
- 512 MB RAM
- 20 MB disk space
- Intel Pentium 4 or equivalent

About Validian

Validian Corporation provides comprehensive solutions for the protection of digital assets such as corporate information, creative properties, and private records. Through innovative technology, Validian ensures the authenticity and integrity of customer data end-to-end, and while in transit or at rest. A U.S. corporation, Validian has offices in the U.S and Canada.

Please visit www.validian.com for more information about Validian or contact us directly at:

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