

# Validian™ Protect

## Application & Data Protection Platform Data Protection Module

**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 seamless protection of applications and of the transfer, storage and usage of data is the most effective form of protection.

With **Validian Protect**, protection of 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++, .NET, Java for Windows, Java for Linux, Apple Obj-C and Swift, and Android Java 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 application content protection, automated authentication and credentials management, and encryption, 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 of external content (service bulletins, advertisements, etc.) that can be scheduled for secure delivery to applications
- distributed architecture for both improved scalability and redundancy in large capacity application deployments

# Develop and deploy secure applications with control and confidence

## Features

- Integrated Management Console for configuring and controlling information policy independently of deployed applications
- Support for multiple application architectures
  - Client/Server, Server/Server, and Peer-to-Peer
- Highly-abstracted developer APIs for secure usage, secure message sending/receiving, in-memory and stored content encryption, exception notification, presence monitoring, alerts, tracking and more
- 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
  - 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

## System Requirements

### Validian™ Protect Server 3.1

- Windows Server 2003/2008 or Windows SBS 2003/2008, Windows Server 2012 or Windows 7
- 1 GB RAM, 40 MB disk space
- Intel Pentium 4 or equivalent (minimum)
- Dedicated firewall ports (3)

### Developer Installation: Validian™ Protect SDK 3.1

- Windows XP/Vista/7/8.1/10
- 1 GB RAM, 40 MB disk space
- Intel Pentium 4 or equivalent (minimum)
- Visual Studio 2005/2008/2010/2013/2015
- Mac OS 10.8 and higher
- Mac iOS 6 and higher
- Eclipse
- Xcode

### User Installation: Validian™ Protect Runtime 3.1

- Windows XP/Vista/7/8.1/10, Windows Server 2003/2008, Windows SBS 2003/2008, Windows 2012
- Mac OS 10.8 and higher
- Mac iOS 6 and higher
- Android 4.0.3 and higher
- 512 MB RAM, 20 MB disk space
- Intel Pentium 4 or equivalent (minimum)

## 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](http://www.validian.com) for more information about

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