

Security Solutions & Services

Professional Solutions and Training from Leading Security Experts

ObjectSecurity's internationally reputed security experts offer a range of reliable professional services. Our successful track record with many large blue-chip companies and government organizations underscores our strong expertise and our ability to handle complex security requirements in very demanding IT environments. Our in-depth security expertise includes model-driven security, authorization/entitlement management, business & software architectures, middleware security & middleware implementation, security infrastructure etc. We also cover the broader area of information security, including risk analysis, security policy, security architecture, security implementation, compliance / best practice, and technical support.

Business-Driven Compliance Management™

Specifying and enforcing security policies for complex, large IT environments based on standards, regulations, and frameworks is a challenge most organizations are facing today. The problems are particularly pressing for today's more agile, interconnected IT environments, e.g. Service Oriented Architecture (SOA), Cloud, SaaS, Web 2.0.

ObjectSecurity's Business Driven Compliance Management (BDCM) solution tackles exactly that problem using OpenPMF Model Driven Security. It closes the loop between business and IT security by aligning business security compliance requirements with IT security enforcement.

Model Driven Security BDCM uses a technology approach called Model Driven Security (MDS) as a core technology approach to achieve this. MDS helps manage security policies cost-effectively and with minimal effort, even in the face of changes to the IT landscape. ObjectSecurity's unique OpenPMF Model Driven Security (OpenPMF-MDS) product allows the automatic generation of security policies from application workflow or application models and intuitive security requirements. Benefits include: Aligns business and IT, enables IT agility, reduces costs and complexity, improves security effectiveness, enables consistent cross-platform

enforcement, integrates with application development tools and processes, and enables 3rd party & legacy product integration.

ObjectSecurity offers a complete turn-key solution for your organization that consistently enforces your particular security requirements cross-platform, aligns business and IT, enables IT agility & reuse, reduces costs and complexity, improve security effectiveness. The solution ideally ties in with model-driven, process-led approaches close to enterprise architecture and business service management, and can protect most IT applications and systems.

To align business security compliance requirements with IT security enforcement, ObjectSecurity's specialists will carry out the following tasks:

1. Requirements Analysis We will involve your organization's business decision makers because purely IT-led adoption is likely to not meet overall business requirements, and is likely to be siloed. Together with our partners, we guide you through the major business-led security and compliance related regulations and best practices. Examples include enterprise architecture frameworks, and security management processes such as ITIL v3/ISO27000 series, Sarbanes-Oxley, HIPAA, PCI DSS, German BSI Grundschutzhandbuch, Assistance with Common Criteria

certification for agile SOA, Business Service Management (BSM), Enterprise Architecture (EA) frameworks, Business Process Management (BPM), SOA architectures, frameworks, transformation/modernization roadmaps etc.

2. Requirements Modeling Our specialists then helps you model your requirements in a model-driven tool. We are specialists in Eclipse based modeling and toolchain integration. This will typically involve the reuse of intuitive, pre-existing policy modules. Our team differs from competitors because we have these rare skills and tools to map out your high-level framework, architecture, and process requirements in a modeling tool in a formalized way that we can then turn into concrete IT security enforcement using OpenPMF Model Driven Security.

3. OpenPMF Model Driven Security We then deploy our patent-pending OpenPMF Model Driven Security technology to automatically and traceably transform the requirements to concrete enforcement rules. Our approach is unique because it closes the loop between the regulatory requirements and the actual run-time IT enforcement and monitoring. Automation is necessary because security needs to also be preventive at run-time, not only reactive.

4. Runtime Protection & Monitoring Your security team can then conveniently manage compliance at run-time, and even change your software applications and workflows without extra administrative effort, e.g. for Business Process Modeling (BPM) and Service Oriented Architecture (SOA).

OpenPMF is optionally also available as a shrink-wrapped product for Intalio BPMS & Eclipse. Reference deployments include US Navy, US Air Force, and an EU air traffic management training system.

Web 2.0 / SOA / Cloud / SaaS Security

Our reputed specialists can help you achieve the crucial protection in today's interconnected, ever-changing, ever-more complex IT world. Security for Service Oriented Architectures (SOA), Web 2.0, Cloud, SaaS etc. is an important enabler for businesses. We can ensure that you have a future-proof, robust, interoperable technical security architecture that can securely extend across organizational boundaries. Many security architectures today have to support agility (e.g. agile SOA using process-led, model-driven workflow orchestration). We can help you develop a Web 2.0 / SOA / Cloud / SaaS security architecture and implementation that meets your requirements, and that is built using best-of-breed technologies.

Middleware Security

ObjectSecurity is a leading specialist for middleware security. Our expert team has many years of experience in designing and implementing a security architecture that meets the particular

requirements of the customer. Middleware security can give you better flexibility and reuse, because the security functionality resides outside the application. Also, the same consistent security mechanisms scale up more easily. We can help you secure most middleware platform technologies and deployments, such as –

- Web Services, Service Oriented Architecture (SOA), Enterprise Service Bus (ESB), Cloud, SaaS, Web 2.0
- Distributed Java EE applications
- Common Object Request Broker Architecture (CORBA)
- CORBA Component Model (CCM)
- Data Distribution Services (DDS)
- Pub-sub, message-oriented, or event driven middleware
- Model-driven middleware
- Middleware for embedded systems, for specific industry, and proprietary middleware

Security Training Workshops

Our workshops help you build up expertise and keep the gained knowledge in-house. We offer the following workshops and additional custom courses upon request:

- Business Driven Compliance Management
- Model Driven Security
- Basic CORBA Application Engineering
- Advanced CORBA Application Engineering
- CORBA Programming with MICO
- Advanced CORBA Components (CCM) Application Engineering
- Secure and Robust Distributed Application Design

A brochure with course details is located in the services section of our website.

Middleware Technical Support

ObjectSecurity's highly skilled & experienced middleware specialists provide technical support, development and consulting, e.g. for the Secure MICO CORBA open source implementation, the SecureMiddleware CCM open source middleware, and other. ObjectSecurity is the official MICO open source project maintainer. Details are located in the products section of our website.

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