

Security for Application Developers

Model-Driven Security: Out-of-the-Box Application Security for BPM / SOA / Embedded & More

Application Security – A Critical Requirement

While most IT security technology spending is currently focused on protecting the network layer, most attacks today are targeted at applications. Good application security is therefore a critical requirement in today's opened-up, interconnected IT world, often built on complex platforms with extremely rich functionality (such as Service Oriented Architecture (SOA), Business Process Management (BPM), Cloud / SaaS, Web2.0). More and more applications are interconnected across the Internet, which makes them vulnerable to a plethora of attacks.

Time Pressure

However, due to lack of time and resources, developers are often too busy building the actual application logic to provision for good security policy management, enforcement, and monitoring functionality in their applications. As a consequence, administrators find it hard to manage IT security effectively.

Application Complexity

Software applications today are getting more and more complex and interconnected (e.g. SOA, SaaS, Cloud, Web 2.0). Good security is often a critical prerequisite to enable those applications and services, because access to sensitive information and functionality has to be controlled. As a consequence, there is a growing need to manage more complex and contextual security policies. This is often unmanageable, there are simply too many policy rules to specify and maintain. There is also a need to ensure that IT security enforcement matches with intended security requirements. Using today's other vendors' tools, developers and administrators have to manually manage a large number of complex technical security policy rules, using many overlapping, decentralized and siloed products across large, complex, interconnected, rapidly evolving ("agile") IT landscapes. The resulting high effort, complexity, and cost is directly affecting development and deployment times, and also security enforcement effectiveness.

Secure Your Applications Out-of-the-Box

OpenPMF is a unique, market-leading product that significantly simplifies IT security policy administration.

Instead of requiring administrators to manually manage a large number of complex, fine-grained technical policy rules, its innovative "model-driven security" feature generates them automatically from intuitive, easy-to-select security policies. It is also possible to customize policies. Based on the generated security rules, OpenPMF automatically enforces the policy on each protected system so you do not have to deal with that complexity. The OpenPMF is best used within or alongside model-driven, process-led application development tools. If you have not adopted model-driven, process-led approaches yet, you can use OpenPMF a flexible authorization (entitlement) management product, and upgrade to model-driven security later when you adopt model-driven, process-led development tools and methods. In addition to this out-of-the box product (for Intalio BPMS & Eclipse), OpenPMF is also available as a complete, fully supported turn-key solution.



ObjectSecurity OpenPMF lets you intuitively select business-centric security & compliance policies, which are then automatically enforced across your IT landscape (using a "model-driven security" approach). You can conveniently manage your policies at run-time, and even change your software applications and workflows without extra administration. OpenPMF reduces costs, improves security, and enables agility. Available as a packaged product and as an integrated turn-key solution.

Products & Services

- OpenPMF (packaged product & turn-key solution)
- SimulateWorld 4D synthetic environment toolkit
- SecureMiddleware: secure open source middleware
- Services: security policy management, Web 2.0 / SOA / Cloud / SaaS Security, middleware security, training workshop, tech. support, R&D
- Studies: in-depth documents about hot topics in security, e.g. model-driven security & SOA

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