

Security Tools for Systems Integrators

Helping Systems Integrators & Outsourcers Deliver Improved Security Policy Management

Complex Interconnected IT Landscapes

Systems integration projects are challenging on many levels. Many systems integration projects have to deal with a plethora of different and incompatible types of software and hardware platforms and applications, many of which are considered legacy systems and applications. Also, the project aim is often to open up applications and compose them into interconnected applications and services that deliver consolidated information at the push of a button (e.g. Business Intelligence).

Security Plays A Critical Role

Because of legal and commercial requirements, most systems integration projects today also include security aspects (e.g. security architecture, risk assessment, compliance audits, security implementation, security operations / administration). While good tools are available today to protect the network layer and a number of other important systems (e.g. databases), application layer security often does not get the same level of attention (although 90% of attacks are targeted at the application layer, according to Gartner). Particular security challenges systems integrators frequently face today are:

- **Fill the policy management gap** Implementing security policy management needs to be cost-effective, meet business requirements, be manageable across security silos, and be reliable.
- **Align business & IT security** It is important to extend business-led compliance & security requirements with operational technical IT security enforcement and incident monitoring. Checklist audits can be ineffective because they often do not extend to actual runtime IT security.
- **Enable dynamic changes** Implement security policy management in a way that supports dynamic changes (agility) of the IT landscape (e.g. based on business processes (BPM, BSM, EA) or service/cloud/SaaS/Web2.0 based architectures).
- **Meet assurance requirements** Assurance is also often a requirement for certification & accreditation reasons (esp. for government projects). The challenge is that current accreditation methodologies do not sufficiently support dynamic changes.

Effective Security Policy Management

A critical piece of any security architecture is security policy management. However, traditional Identity & Access Management (IAM) products are too coarse-grained and unmanageable for today's complex content exchange and networked interactions. ObjectSecurity's OpenPMF security policy management uniquely enables administrators to define security requirements closer to the thinking of the business, which is more manageable for humans than defining detailed technical policy rules the used software platform supports. Using "model-driven security", the OpenPMF solution automatically turns these business policies traceably into technical security policy rules that are enforced across the IT landscape at run-time. It also monitors for incidents. OpenPMF can protect many standard technology platforms based on service-centric, data-centric, publish-subscribe-centric, invocation-centric architectures. Proprietary technologies can also easily be supported.



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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