

## Security for Processes & Architectures (EA, BPM, BSM)

### Manage Security With Business Processes & Architectures, Frameworks, Best Practices

#### Processes & Architectures

Businesses use a number of related methodologies to model, manage, and improve processes, including:

- **Business Process Modeling (BPM)** Part of most methodologies, it involves the activity of representing processes of an enterprise in models, expressed in models (e.g. using Business Process Modeling Notation, BPMN).
- **Business Process Management (BPM)** focuses on aligning organizations with the wants and needs of clients. It is a holistic, continuous process optimization approach that promotes effectiveness and efficiency while striving for innovation, flexibility and integration with technology. This involves analyzing the current processes to find improvements in future. Since both Business Process Modeling and Business Process Management share the same acronym (BPM), these activities are sometimes confused with each other.
- **Enterprise Architecture (EA)** BPM addresses the process aspects of an Enterprise Architecture (EA): EA helps organize business processes and IT infrastructure, and making structures explicit in abstract architecture descriptions, often using the tools, process models, and guidance provided by enterprise architecture frameworks (e.g. TOGAF, DODAF, MODAF) and quality management frameworks (e.g. Six Sigma). The goal is to analyze, optimize, and plan enterprise changes (referred to as Business Process Reengineering, BPR).
- **Business Service Management (BSM) & Best Practice Frameworks (e.g. ITIL)** Business Service Management (BSM) is a methodology for monitoring, measuring, consolidating, and optimizing IT services – rather than IT systems – from a business perspective. It enables prioritization of efforts and service improvement, often based on best-practice guidelines such as Information Technology Infrastructure Library (ITIL).

#### Aligning IT with Processes & Architectures

If sufficiently well-specified by modeling specialists, BPM models can be fully executable today, e.g. in the form of BPM-driven Service Oriented Architecture (SOA).

#### Managing Security within Processes & Architectures

In line with this approach, managing business-led security requirements also in models alongside business process models and at the same business-centric level of abstraction helps achieve more manageable, understandable, and agile enterprise security.

ObjectSecurity's modeling experts can help you model your processes in a formalized manner so that you can achieve automatic IT security and workflow execution.

ObjectSecurity OpenPMF's unique "model-driven security" product (& turn-key solution) allows you to manage security requirements in models alongside BPM. Most importantly, OpenPMF can align security enforcement & reporting across your running IT landscape with BPM. OpenPMF achieves this "closed loop" by automatically generating the corresponding operational technical security enforcement from your security requirements models, and by monitoring security incidents of your running IT landscape.



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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