

## Press Release – ObjectSecurity released OpenPMF tools to auto-generate security policies

(Cambridge/UK – 06 September 2006) – ObjectSecurity, the leading solutions provider for middleware security in mission-critical industries such as air traffic control, announced today that it offers software tools that can automatically generate security policies for its *OpenPMF* security policy management framework. The benefits of this unique, highly innovative *OpenPMF* auto-generation tool are:

- Significant cost and time savings for IT security because policies do not have to be manually generated by security specialists anymore. Instead they can quickly be generated from the application software models.
- Improved security because auto-generated policies not as error-prone as manually specified policies. They are consistent, and cover the entire distributed system with all its interactions

The policies are automatically produced from the information stored in Unified Modelling Language (UML) models of the application. These graphical models are specified by the application developers as part of the Model Driven Architecture (MDA) software development process. Model driven software engineering simplifies software specification and reduces human errors during software development. The CORBA Components (CCM) middleware platform (developed jointly by ObjectSecurity and Fraunhofer Fokus) includes a full MDA tool chain that allows developers to automatically generate applications from the UML models.

The generated policies can be fine-tuned in ObjectSecurity's *OpenPMF*, a central policy management framework that allows expressive security and QoS policies to be specified in a unified representation from within a central management console. *OpenPMF*'s local policy enforcement points (PEPs) automatically enforce the policies on the underlying systems.

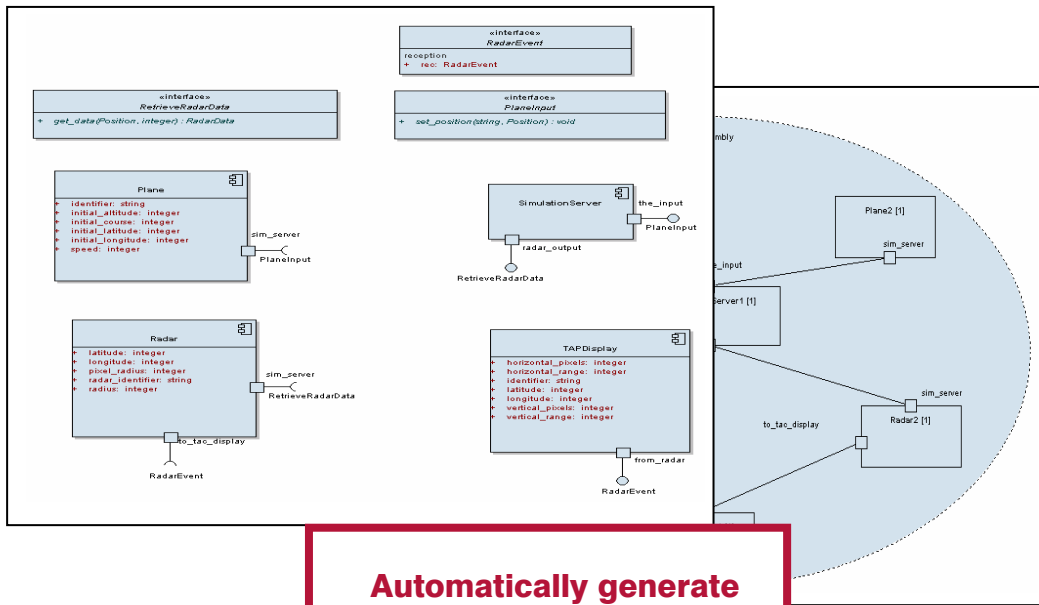
*OpenPMF* reduces the complexity of security administration and improves security effectiveness. Through its innovative modular plug-in model, practically any networked IT system to be protected (e.g. applications, middleware, operating systems, databases, firewalls). *OpenPMF* also protects against insider attacks because security can be controlled down to a very fine granularity and down to very small software entities (e.g. components) both at domain boundaries and directly at the applications.

The full security policy auto-generation process is illustrated on the back of this flyer.

This tool is a critical building block for ObjectSecurity's *Framework Architecture*, which includes the *OpenPMF* security policy management framework, the *ObjectWall* IIOP firewall, the *SecureMiddleware* CORBA Components platform, and the *SecureMICO* CORBA middleware.

To learn more and get started, we invite you to talk with us about the solution that works for your needs and environment.

Please contact us at: [info@objectsecurity.com](mailto:info@objectsecurity.com).  
[www.objectsecurity.com](http://www.objectsecurity.com)



**Automatically generate security policy from SecureMiddleware MDA UML models**

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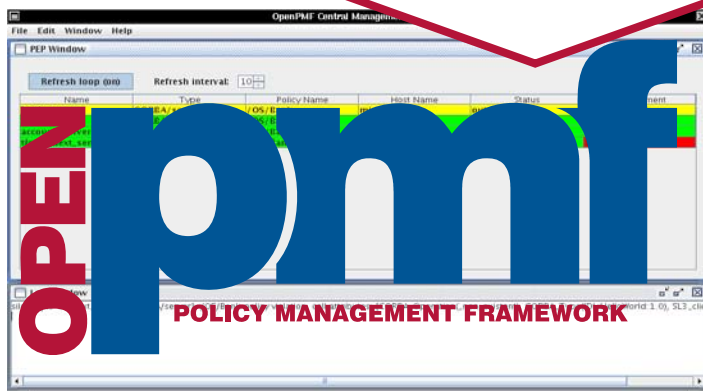
policy /OS [*,*]
{
// ROLES DEFINITIONS:
// ----- OpenPMF and QEDO ROLES -----

role /OS/QCS_generic [*,*] {
(operation.name == remove_home )&(target.type == IDL:omg.org/Components/Deployment/Container:1.0 );
(operation.name == remove )&(target.type == IDL:omg.org/Components/Deployment/Container:1.0 );
(operation.name == remove )&(target.type == IDL:Qedo_Components/Deployment/ComponentServer:1.0 );
(operation.name == create_container )&(target.type == IDL:omg.org/Components/Deployment/Container:1.0 );
(operation.name == install_home )&(target.type == IDL:omg.org/Components/Deployment/Container:1.0 );
(operation.name == remove )&(target.type == IDL:omg.org/Components/Deployment/Container:1.0 );
(operation.name == create_container )&(target.type == IDL:Qedo_Components/Deployment/ComponentServer:1.0 );
(operation.name == remove )&(target.type == IDL:omg.org/Components/Deployment/ComponentServer:1.0 );
(operation.name == is_a )&(target.type == IDL:Qedo_Components/Deployment/ComponentServer:1.0 );
};

role /OS/OpenPMF/CPM [*,*]

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**Fine-tune, enforce, and monitor security policy within OpenPMF central management console**



SecureMiddleware is jointly developed with our project partner



**Fraunhofer** Institute for Open Communication Systems