MIMOS Authorisation and Resource Management Component (Mi-ARMC)

Enterprise identity management has become a core component in any organisation. MIMOS Mi-ARMC provides a centralised management platform for entitlements and authorisation policies to business applications and its users. It is designed for large scale queries environment and targets to reduce performance penalties associated with multiple requests on a centralised architecture.

Overview

MIMOS Mi-ARMC is an XACML compliant authorisation platform. It provides a platform for the solution providers to design fine-grained authorisation control applications.

Organisations adopting these applications will have full control of the policies on all applications. This includes tailor-made entitlements to match the dynamic change of organisational policies and abilities to provide flexible policy models for all staff.

Features

Mi-ARMC comprises the following features:

- **Open and Neutral Architecture**
  Mi-ARMC is fully compliant with industrial standard XACML protocol. The platform is built on open source software thereby reducing the total cost of ownership via cost-effective licensing.
- **Seamless Integration with other MIMOS Patented Platforms**
  Mi-ARMC can serve as an independent platform but best deployed with other MIMOS platforms for full advantage of enterprise solutions such as SSO mechanism (Mi-UAP), info sharing on ESB (Mi-ESB) and other MIMOS patented intelligent data management modules.
- **Low Development and Maintenance Cost**
  Mi-ARMC takes over identity management from the applications; eliminating lengthy development and test cycles on every turn of major corporate policies change.

Technology Benefits

The main impacts of Mi-ARMC are:

- **Configurable Policies on Scalable Architecture**
  Mi-ARMC architecture is scalable with load balancing to meet customer's budget and needs.
- **Intelligent Monitoring and Policy Usage Analytics**
  Mi-ARMC provides options to highlight potential misassignment of privileged policy. Runtime authorisation decisions are logged and fed into platform's analytics engine for auditing and advanced analysis. This enables fast response to policy security breaches.
- **Flexible Meta Grouping of Policies**
  Mi-ARMC supports typical policy inheritance, delegations, one-many/many-one relationship and unlimited hierarchical level of resource management.
- **Authorisation as a Service with Faster Return Call**
  The platform provides a simplified interface and takes over the complexity of full XACML implementation. Mi-ARMC interface also provides faster return call due to runtime pre-processing and optimisations of policy in the repository.

Technology Summary

Mi-ARMC

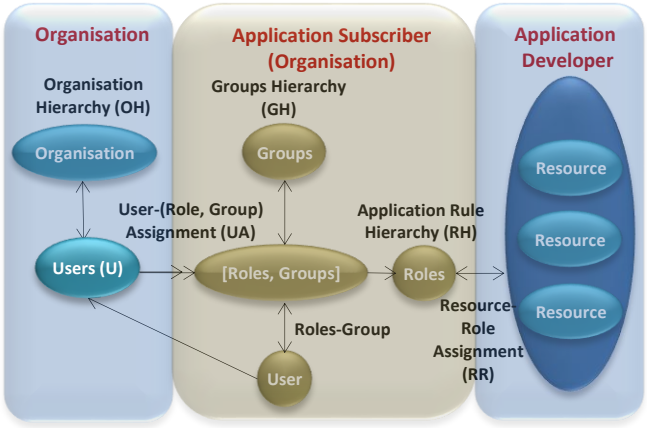
An authorisation and resource management platform that offers a one-stop centre for organisation-related policies.
Industries: Enterprise, Government

Features

- Open and neutral architecture
- Seamless integration with other MIMOS patented platforms
- Low development and maintenance cost

Technology Benefits

- Configurable policies on scalable architecture
- Intelligent monitoring and policy usage analytics
- Flexible meta grouping of policies
- Authorisation as a Service with faster return call



MIMOS Mi-ARMC system architecture

System Requirements

Mi-ARMC	
Virtual Machine Requirements	
Processor	AMD/Intel® Dual-Core Processor, X86-64, 2GHz or higher (1 VM)
Virtual Machines	Minimum 3 VMs
Memory	Minimum 4GB of RAM (1 VM)
Disk Storage	Minimum 30GB of hard disk space (1 VM)
Network	1x Gigabit network interface card (1 VM)
Software Requirements	
Operating System	Linux® CentOS 5.6
Database	MySQL® 5.5 (local) or Oracle® (centralised DB environment)
Applications	Tomcat 7, JDK 7, Apache 2.2.23

© 2013 MIMOS Berhad. All rights reserved. All intellectual properties not limited to patents, trademarks, industrial designs, copyrights, know-how including layout of images and contents contained herein belong to MIMOS Berhad. Any reproduction without prior written consent is prohibited.

002-1210A