PANDA

Keeping digital assets under your control

You wouldn't leave the doors to you business unlocked, so why leave your digital assets unlocked. Businesses today need to ensure that their digital communications and assets are always under their control. Malicious access can cost businesses considerable fines and reputational damage. PANDA is a cloud hosted solution that integrates into existing business IT systems and presents a highly intuitive means to control who can access digital resources, while ensuring compliance to security regulations.

Background

PANDA is a technology that makes it easier for businesses to specify complex access control policies in a tailor user interface. Policies can define who can access a digital resource considering time of day, location, persons role and more, giving very fine grained control to the business. The technology, for example, can be used to ensure there are no insider trading over company instant messaging channels, to ensuring that only the right amount of data is shared between an IoT enabled enterprise and a pro-active energy management company.

The Technology

The uniqueness to PANDA lies in how it processes and managed individual policies. The technology based on a fast policy processing engine that can be scaled and hosted in a cloud computing environment. The solution also exhibits fast response times even when under heavy loads. It is suitable for centralising an entire organization's access control policies. Features include:

- Powerful policy based access control, compliant to XACML v3
- Cloud hosted or on premise solutions
- Integrates into existing IT business solutions (e.g. Instant Messaging)
- Intuitive policy authoring wizard UI
- Multi-tenanted for large enterprises or managed security providers
- Centralises all your business policies

Benefits

Businesses can now quickly adopt a standards based, highly performant access control solution to ensure that their digital assets are always under control. They no longer require highly expensive advice from security consultancies to manage and change their policy sets, due to the intuitive wizard driven UI for policy editing. Business can quickly define sets of well defined policies to ensure that are either compliant to regulations on data sharing, data protection or to ensure business operations are prescribed through policies.

Technology Status

Technology is currently available to license from Waterford Institute of Technology.

Researcher Contact

Dr. Steven Davy
sdavy@tssg.org

TTO Contact

Dr. James O'Sullivan
Technology Transfer Manager
josullivan@wit.ie
+353 51 845592