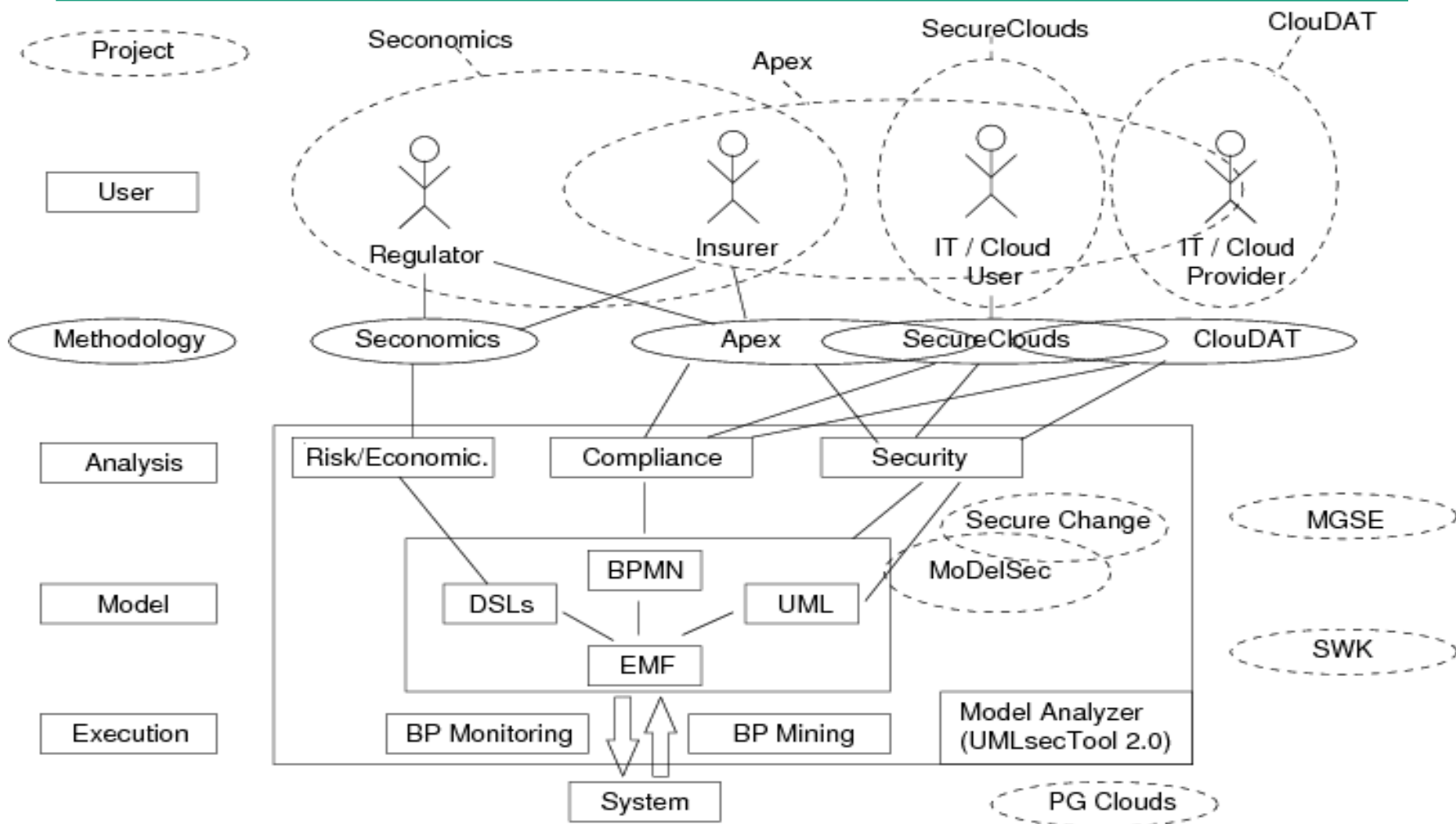

Hot Topics in Model-based Security

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Our Current Research Landscape



Hot Topics in Model-based Security

Short term:

- Evolution scenario of software migration into **clouds**
- Model-based compliance for users / providers of **cloud services**
- **Workflow based** compliance management
- **Economic aspects in security management**
- **Knowledge-based management** of compliance requirements using ontologies
- Integrated **risk / performance management**

Medium term:

- **Secure processing of health-care data in a cloud**
- Applications to **embedded** and **ubiquitous** systems (e.g. smart-cards, automotive)
- Applications to finance IT
- Partially automated process for **implementation of compliance rules**