



Living Security -

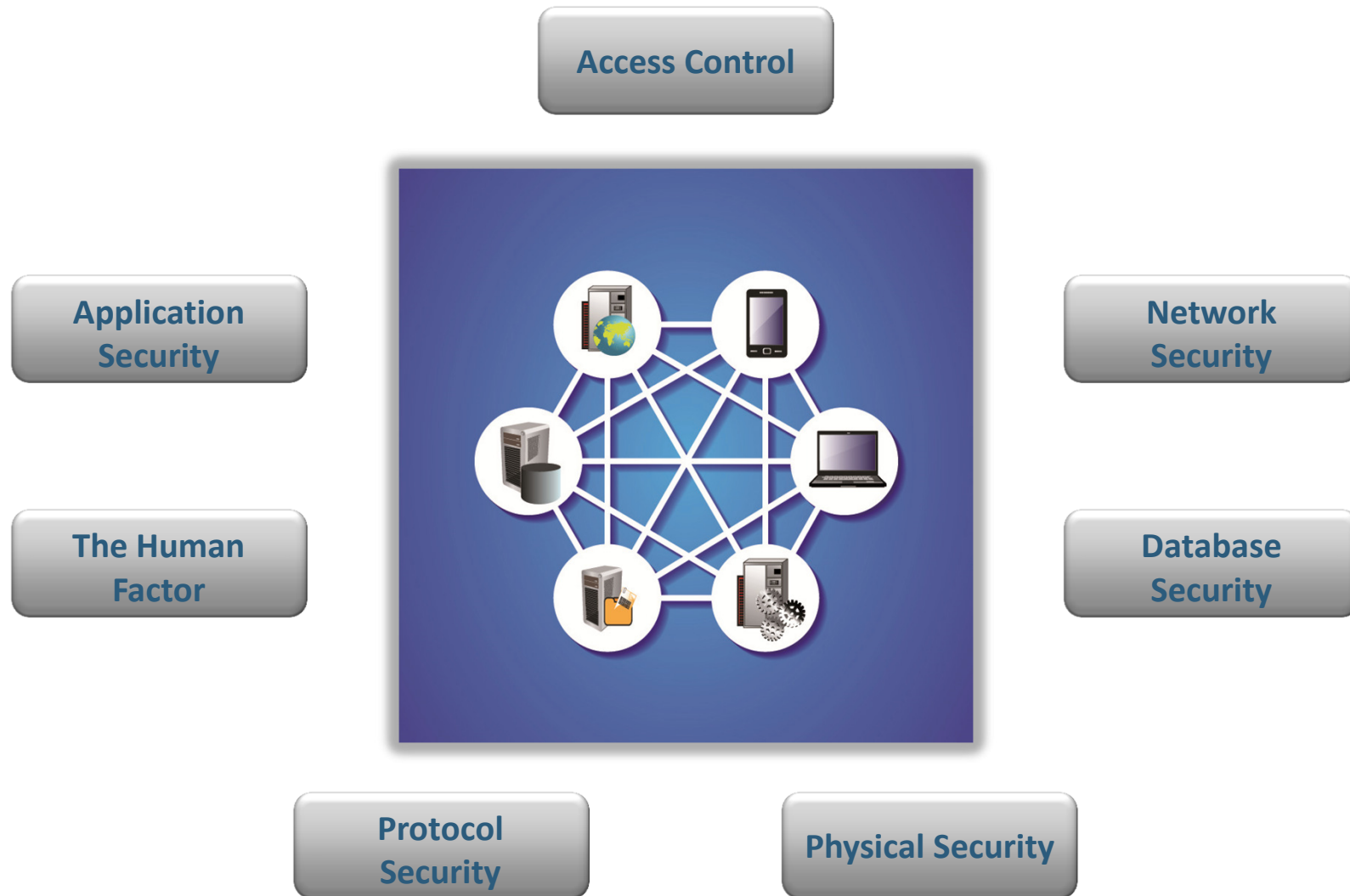
Managing Security in Large IT-Infrastructures

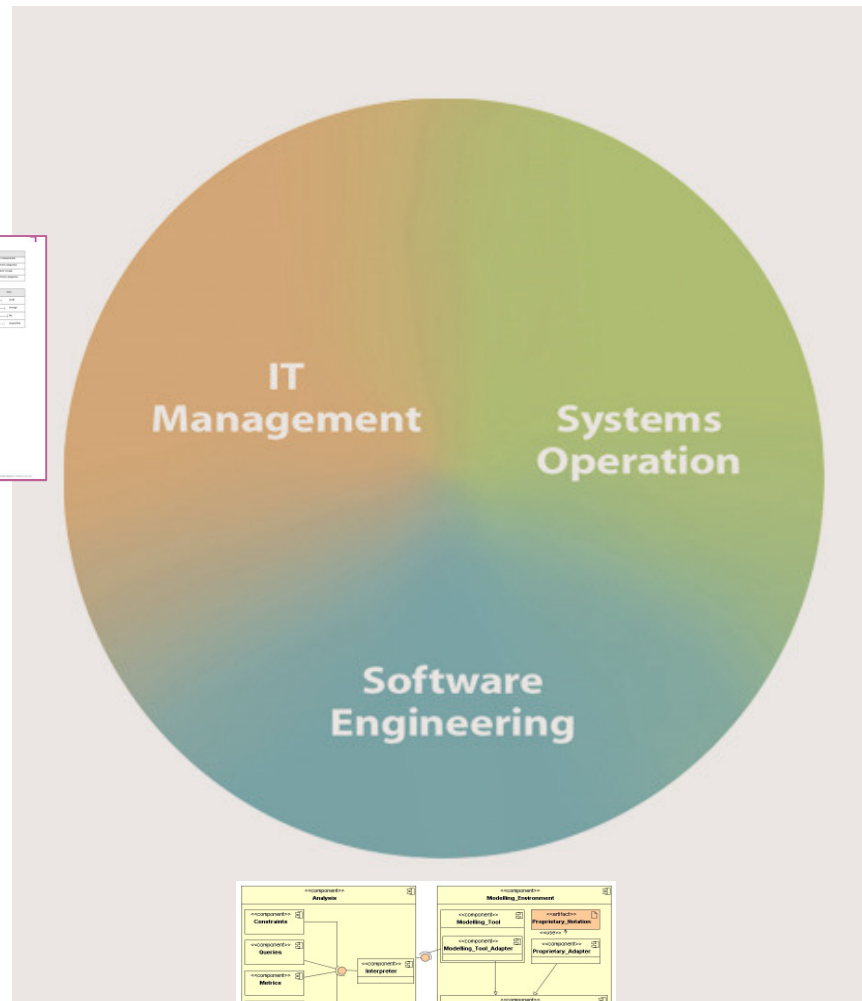
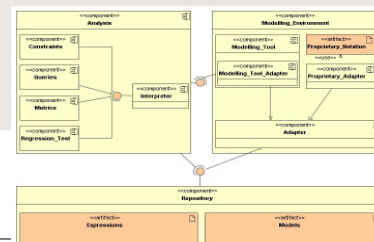
Ruth Breu
University of Innsbruck

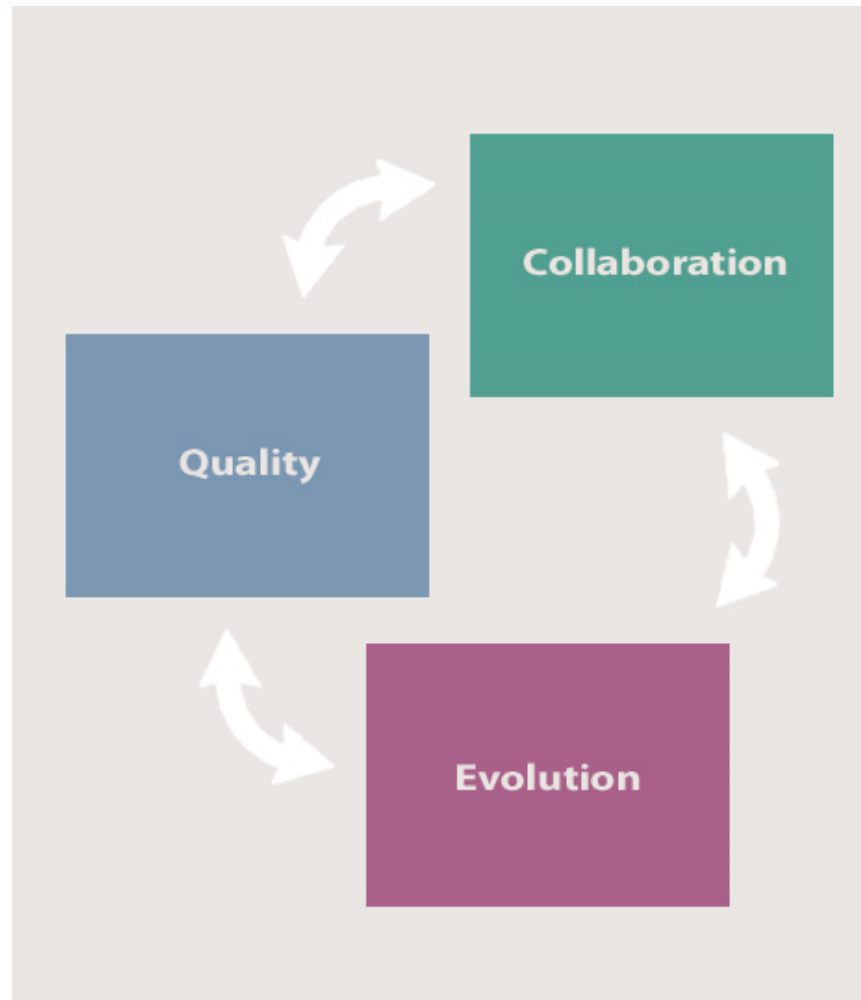


Challenges To Secure Large Infrastructures

Negative Requirements



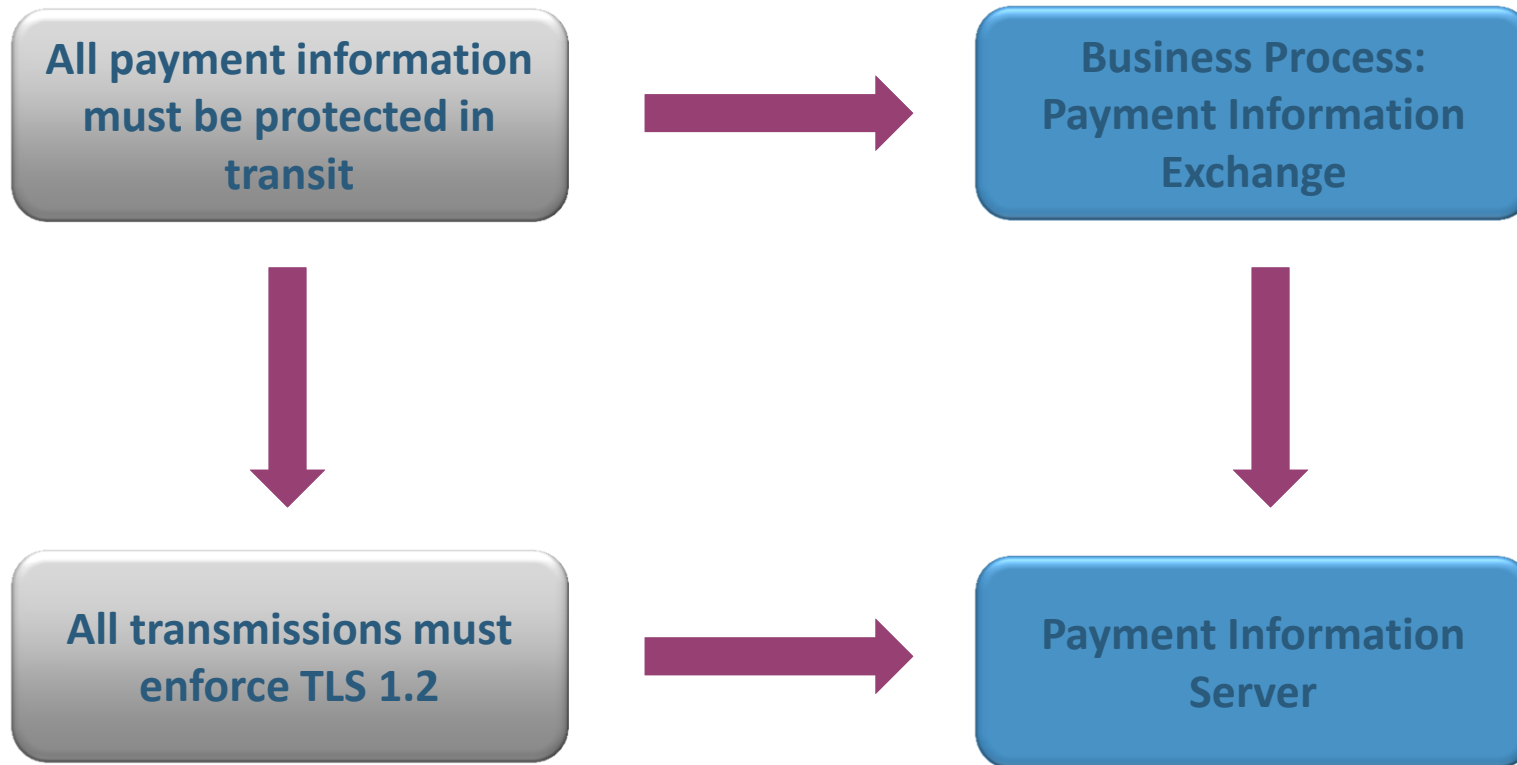




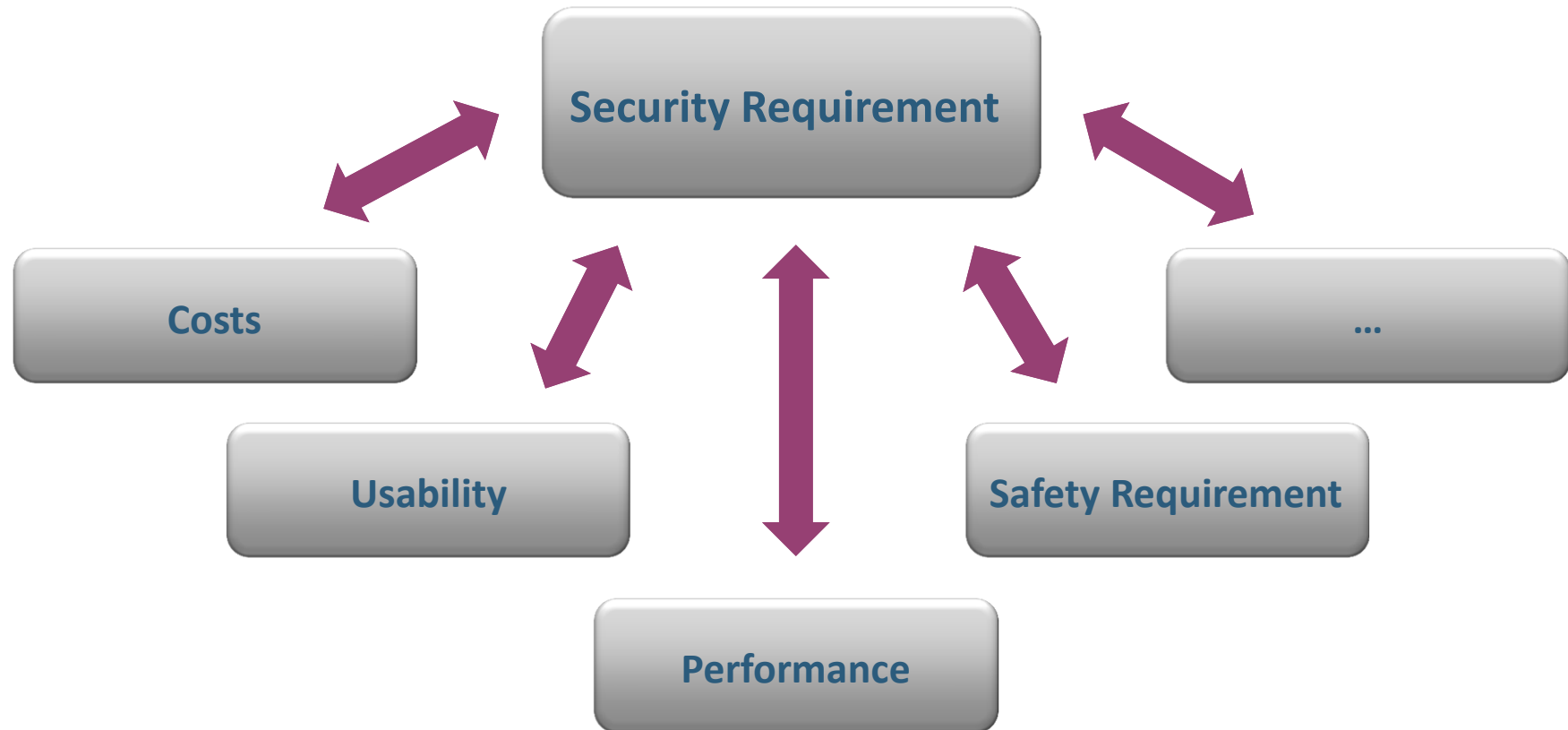
Cross-Organizational



Dependency on Assets



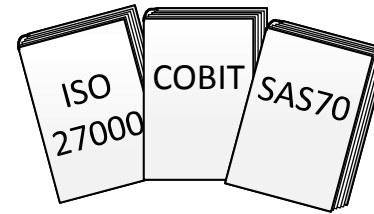
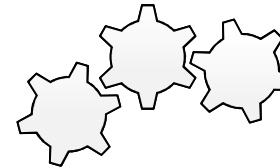
Strong Interdependencies



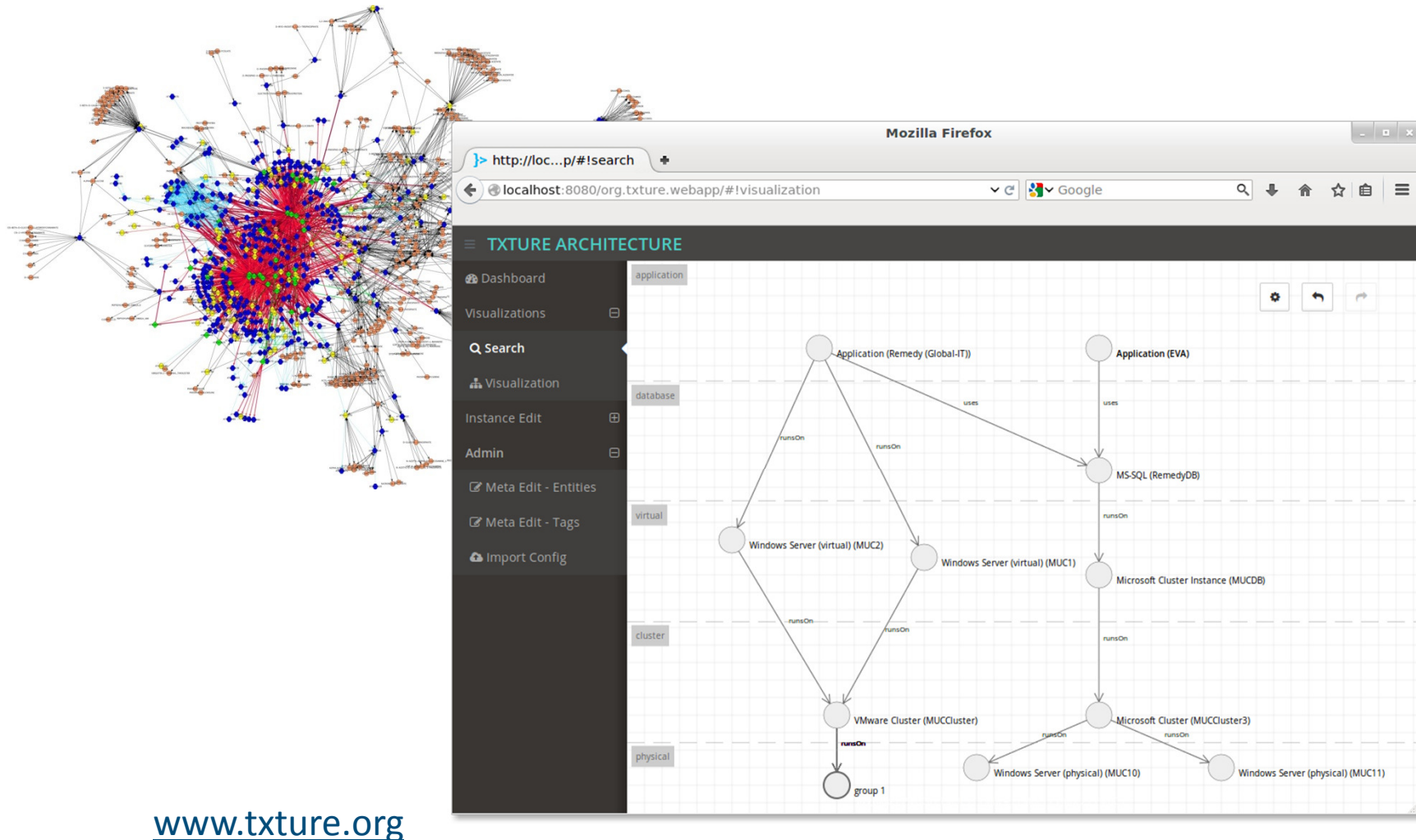
Compliance

SOX	FDA regulations	PCI-DSS	BSI Baseline
Basel III	201 CMR 17.00	Common Criteria	FCAPS
IFRS	IEC 60601	DO-178B	ISO/IEC 27002:2005

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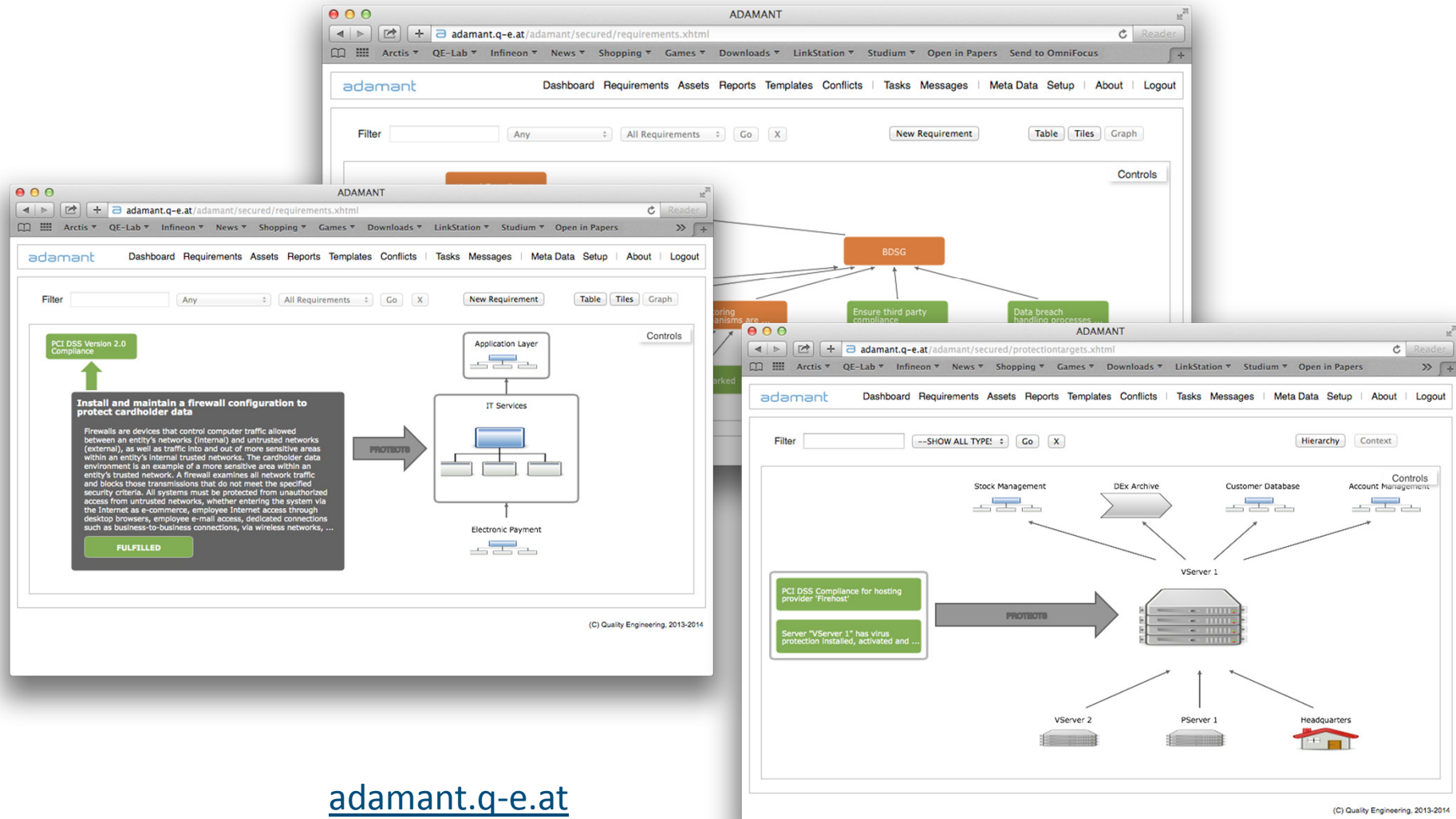
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Modeling of Assets and their Dependencies



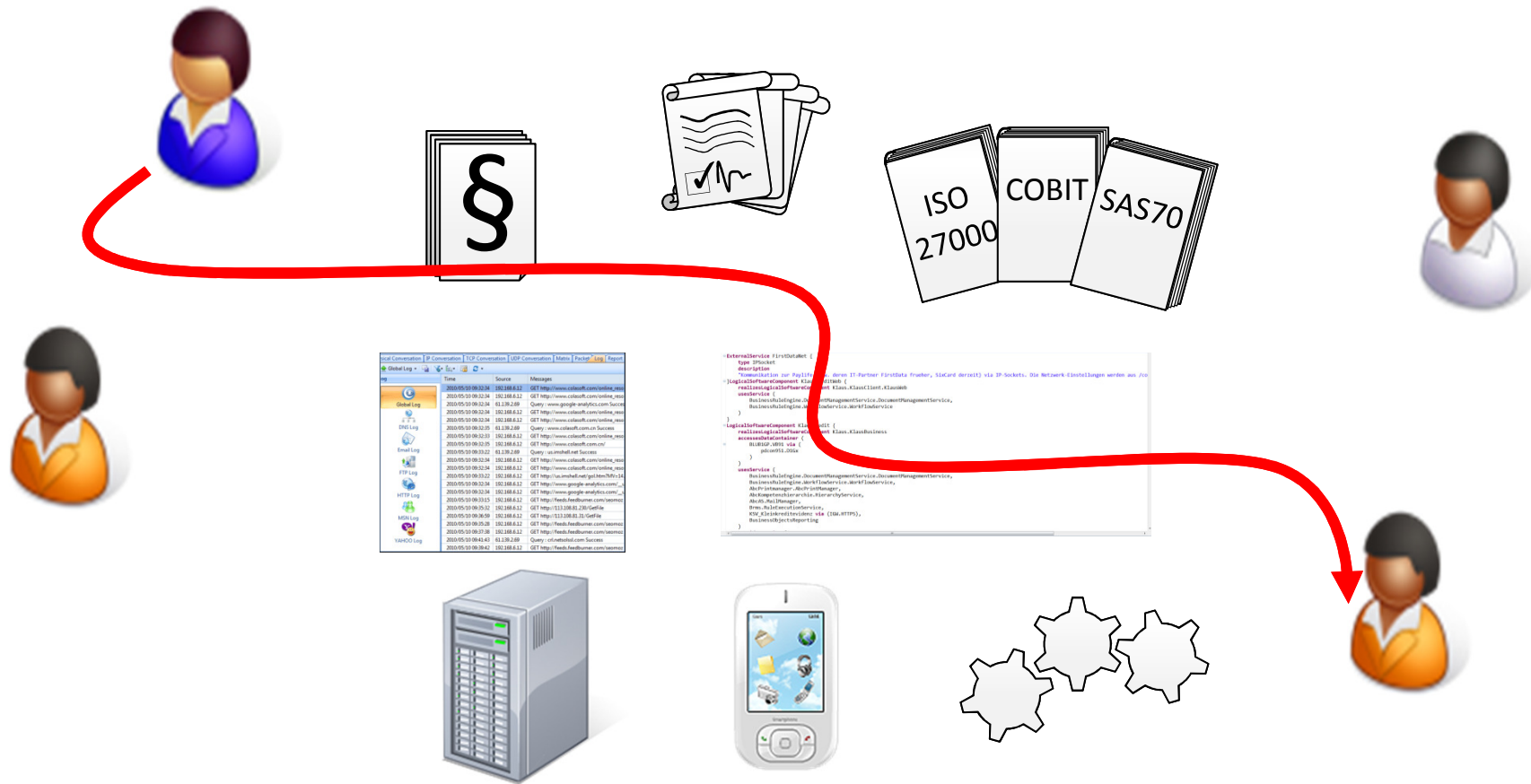
www.texture.org

End-to-End Security Requirements Management



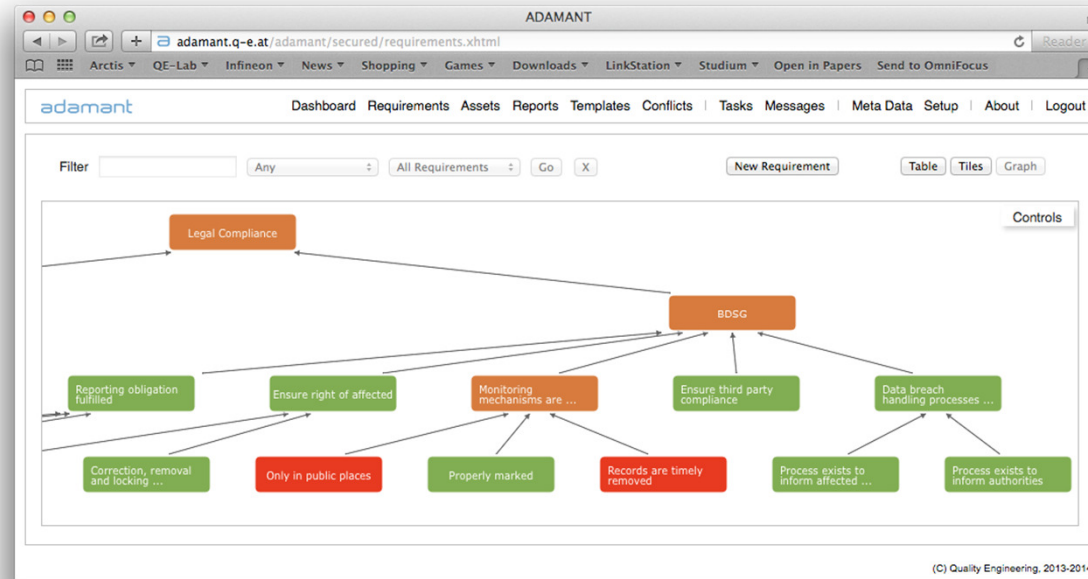
adamant.q-e.at

Collaborative Process Support

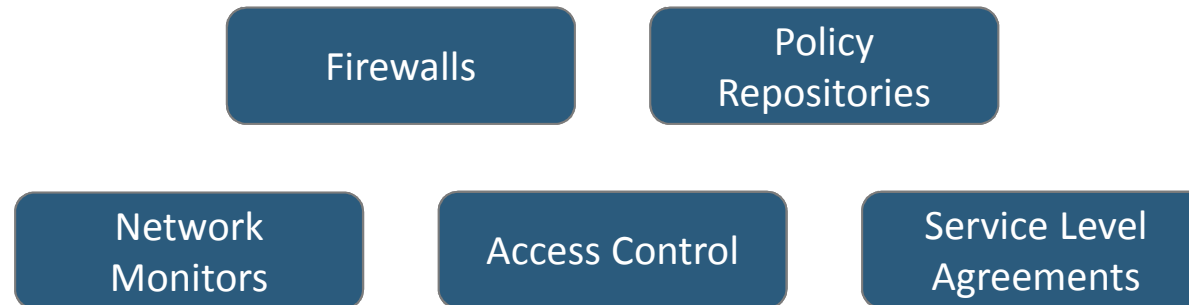


Automation

Requirements

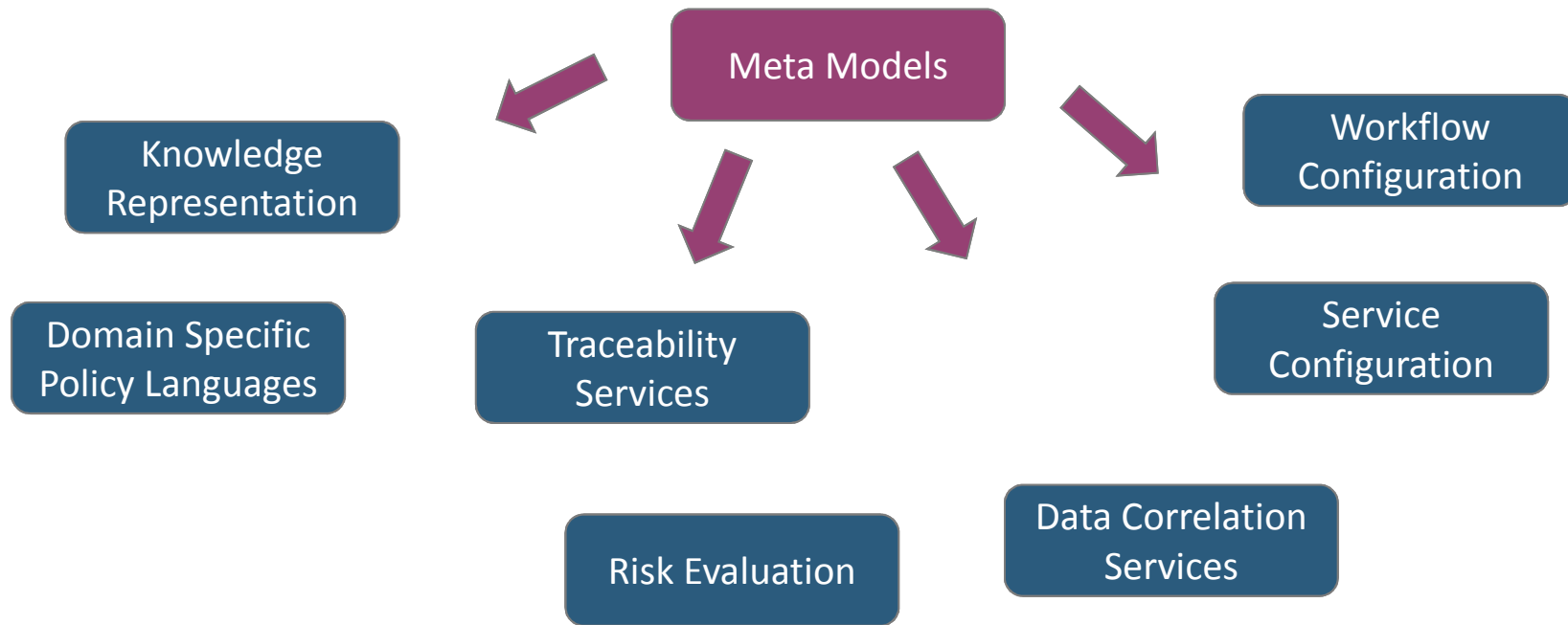


Enforcement



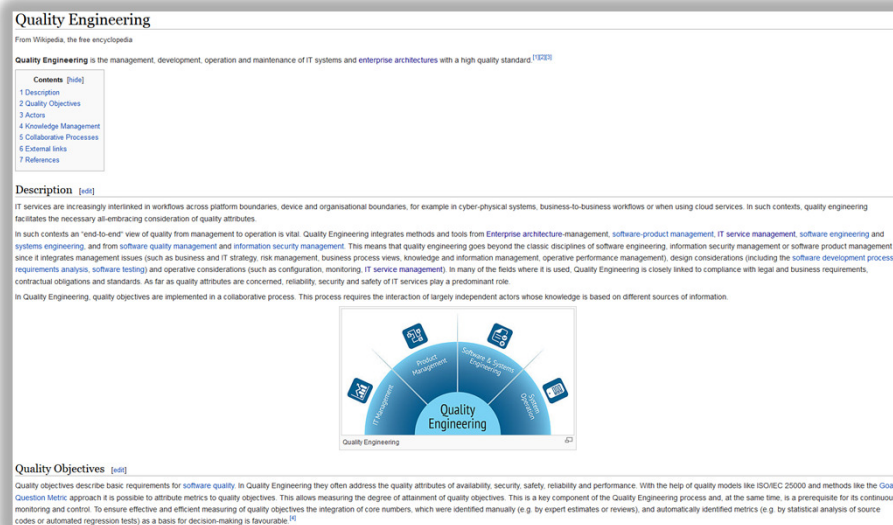
The Power of Models

- Baseline: Model-Driven Security



... read more?

- Quality Engineering in Wikipedia
- R. Breu, A. Kuntzmann-Combelles, M. Felderer: New Perspectives on Software Quality
  - IEEE Software, January/February 2014



Thank you for your attention!