

Evolvability: Research directions

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Budapest University of Technology and Economics

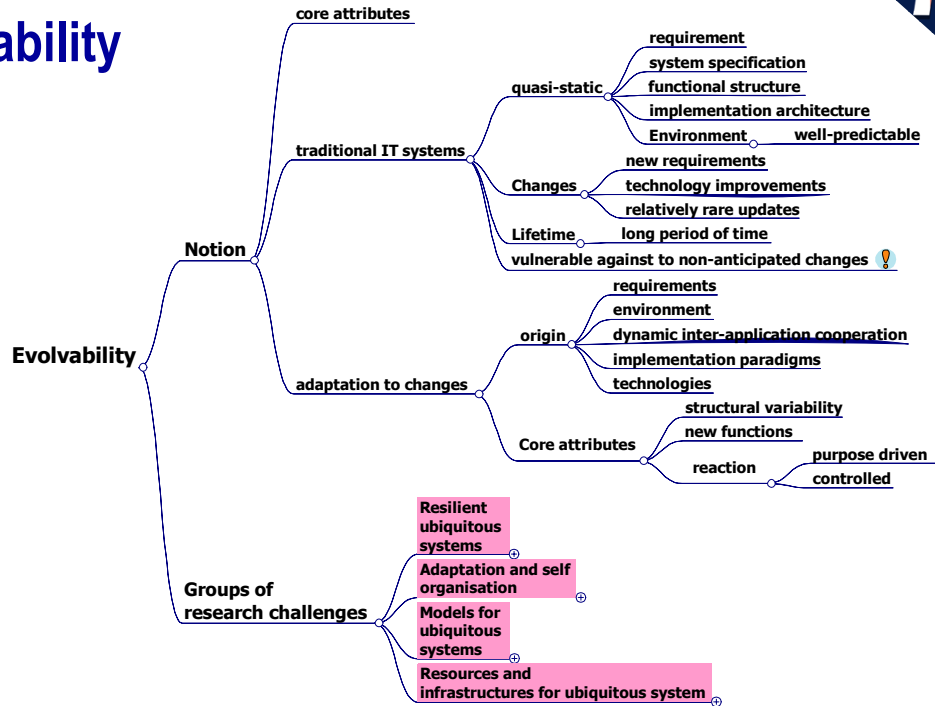
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Resist Second Open Workshop
Rome, October

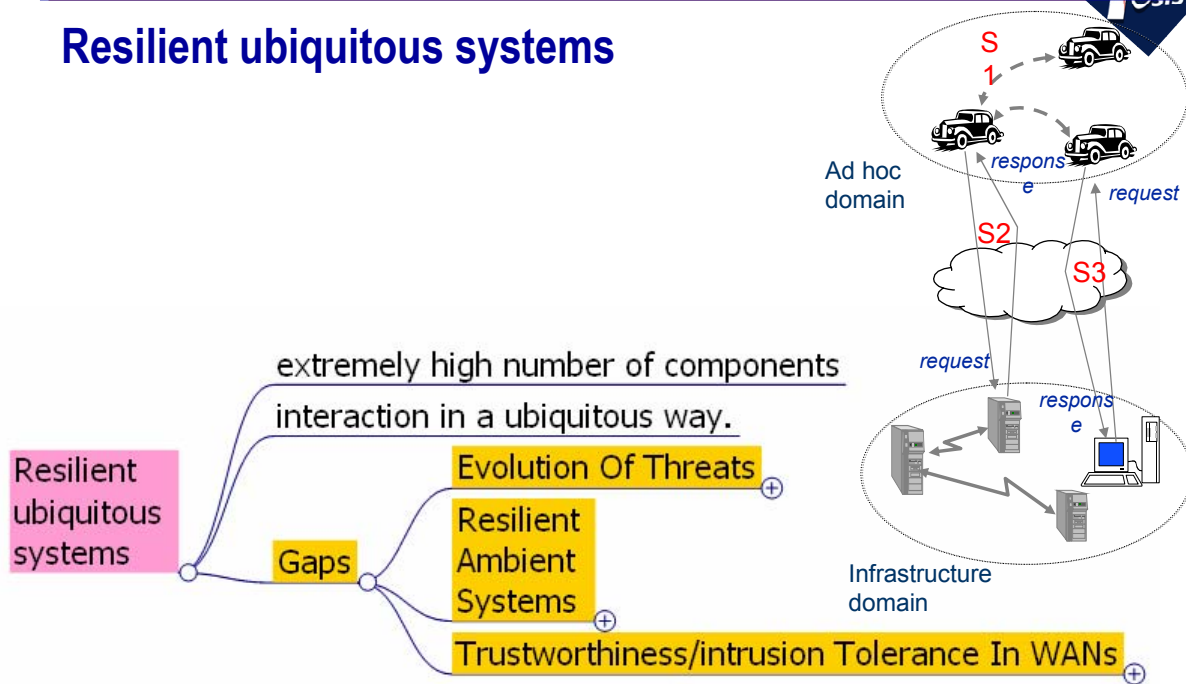


- András Kövi, Diola Abi Haidar, Roberto Baldoni, Sandra Basnyat, Christian Cachin, Miguel Correia, Marc Dacier, Jean-Charles Fabre, László Gönczy, Fabrizio Grandoni, Michael Harrison, Marc-Olivier Killijian, Chidung Lac, David Navarre, Nuno F. Neves, Péter Pásztor, Gergely Pintér, Petern Popov, David Powell, HariGovind Ramasamy, Michel Raynal, Yves Roudier, Matthieu Roy, Paulo Sousa, Mark-Alexander Sujan
- Review team
- University of Budapest, City University, LAAS-CNRS, University of Pisa, Eurecom, France Telecom, IBM, University of Roma, IRIT, University of Lisbon, University of Newcastle, IRISA, University of Warwick

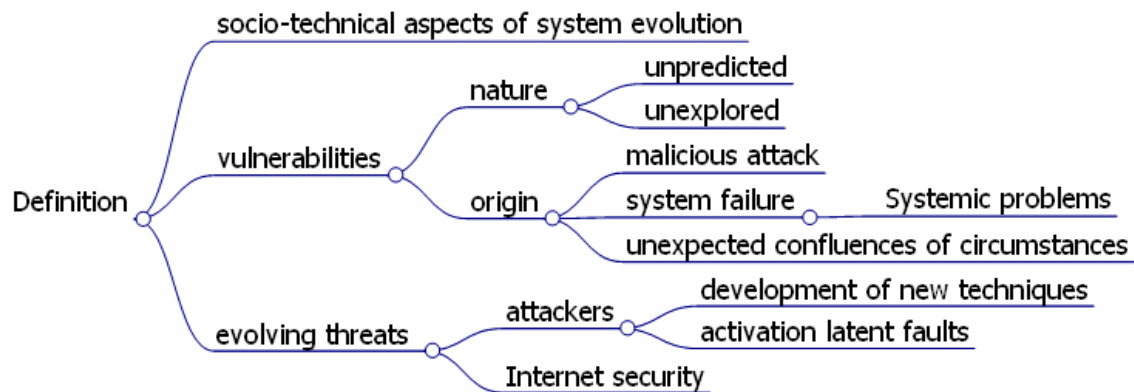
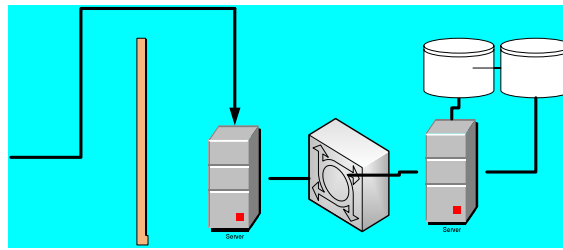
Evolvability



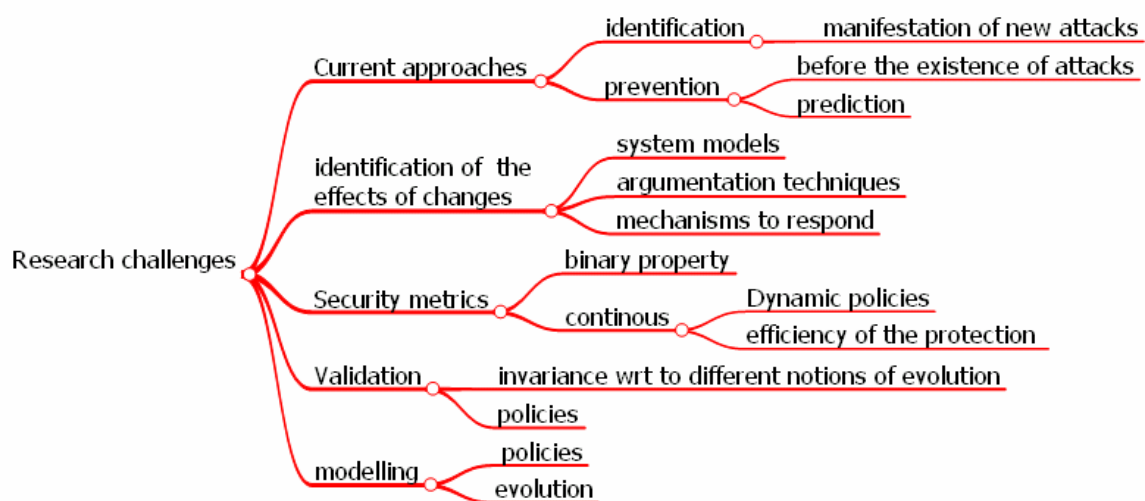
Resilient ubiquitous systems



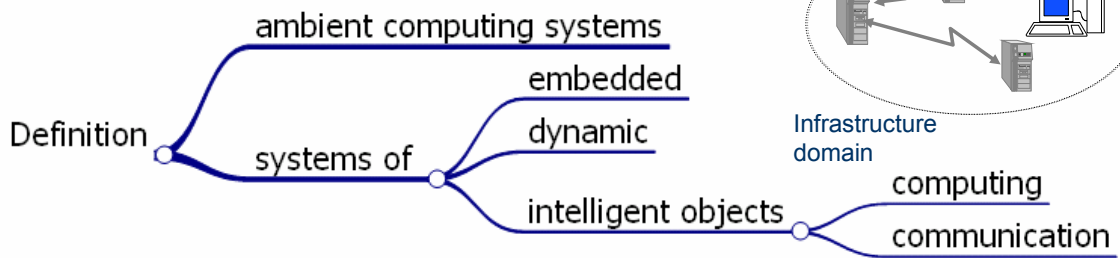
Evolution Of Threats



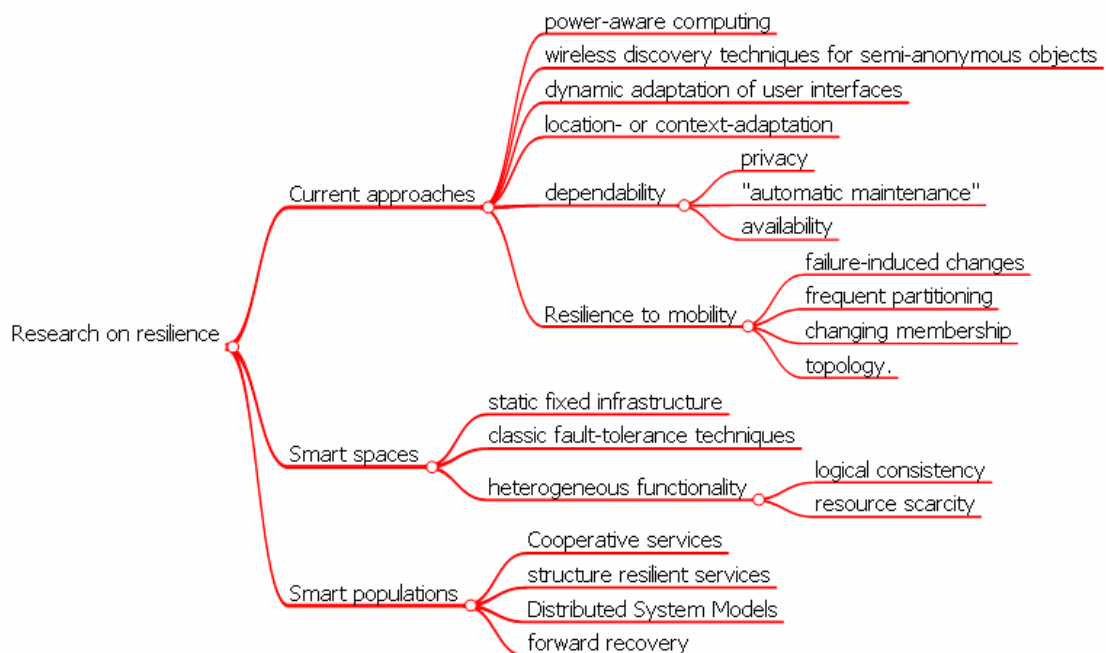
Evolution Of Threats - Research challenges



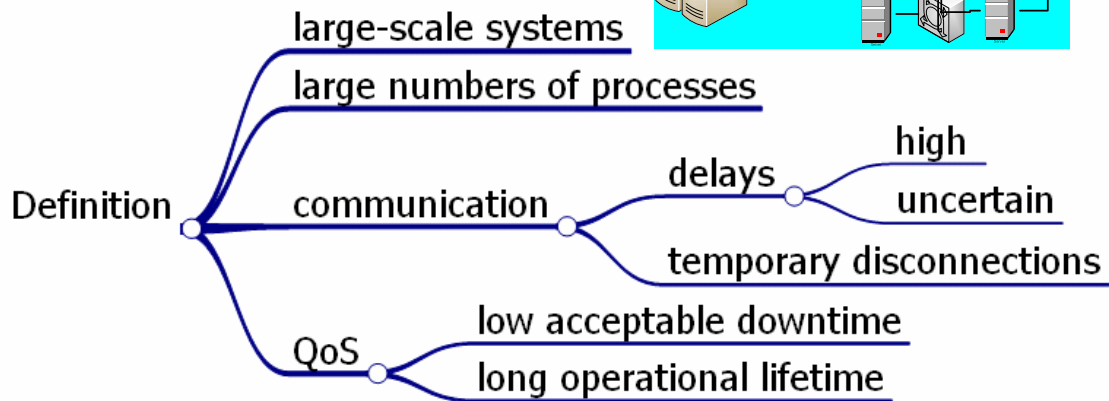
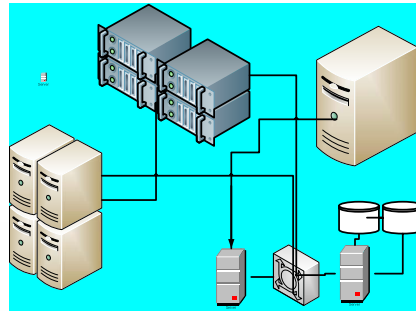
Resilient Ambient Systems



Resilient Ambient Systems - Research challenges

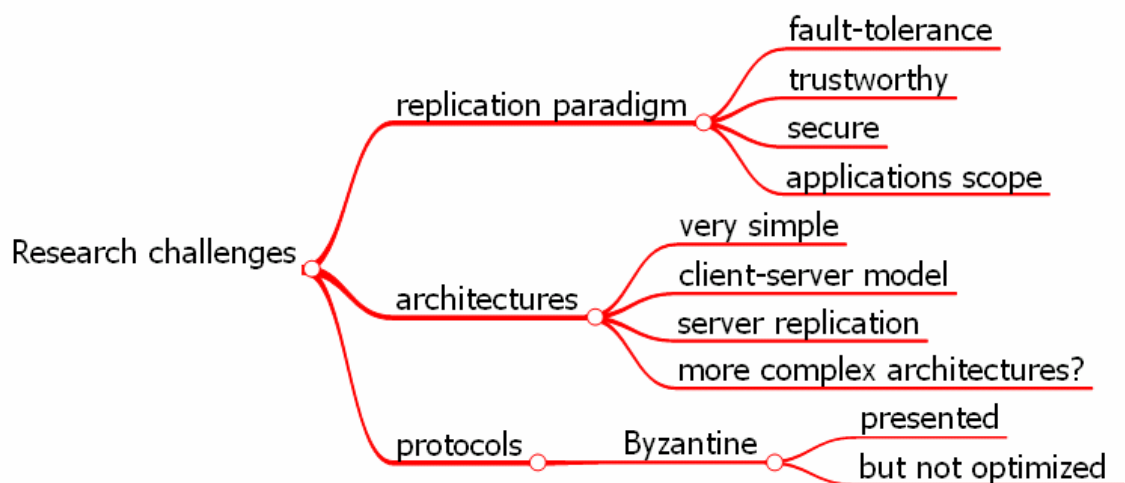


Trustworthiness/intrusion Tolerance in WANs

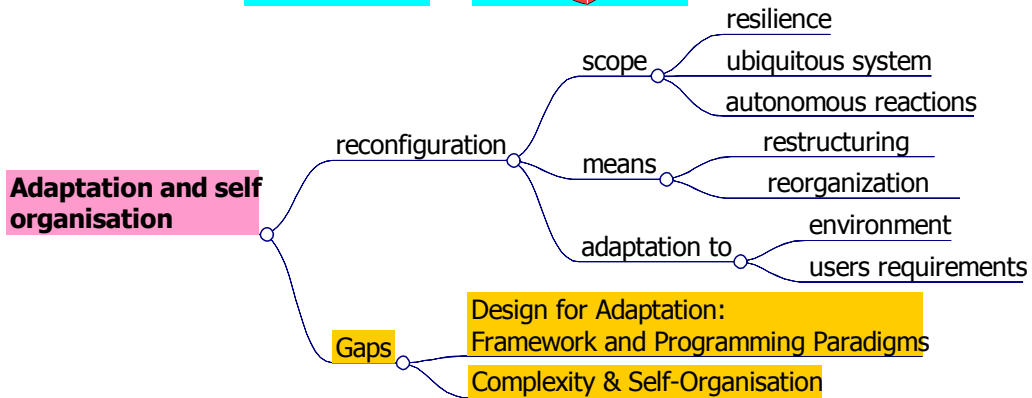
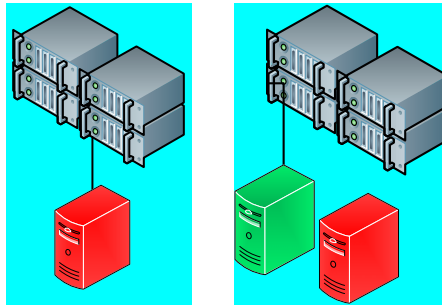


FAULT-TOLERANCE SYSTEMS
RESEARCH CENTER

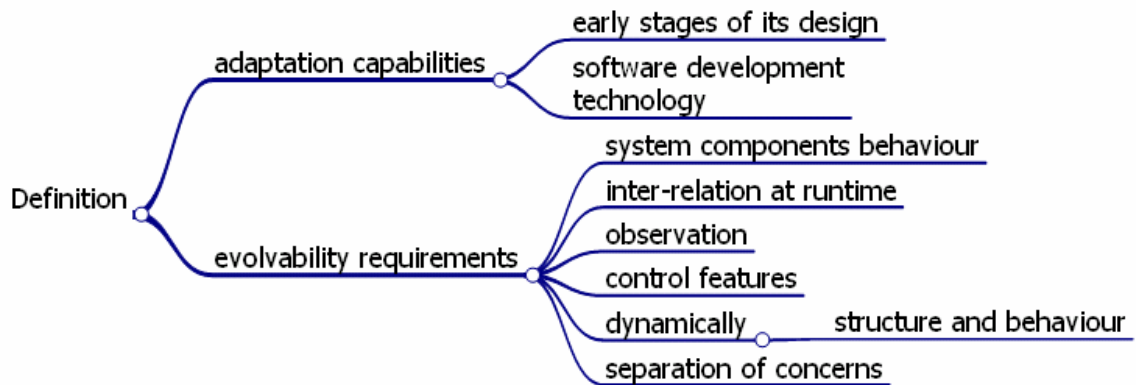
Trustworthiness/intrusion Tolerance in WANs – Research challenges



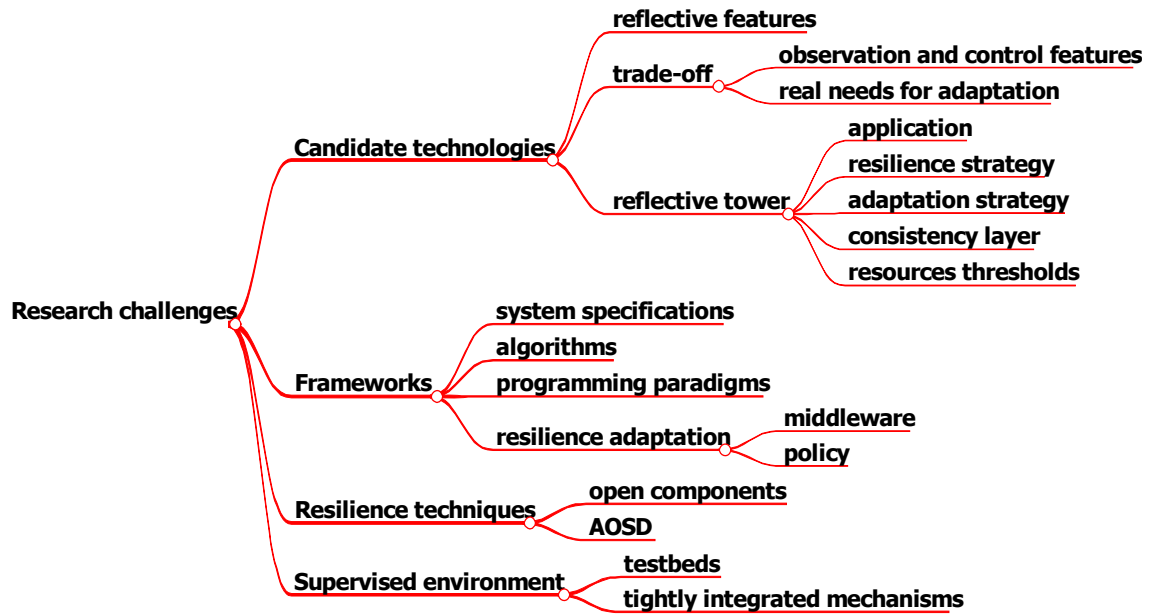
Adaptation



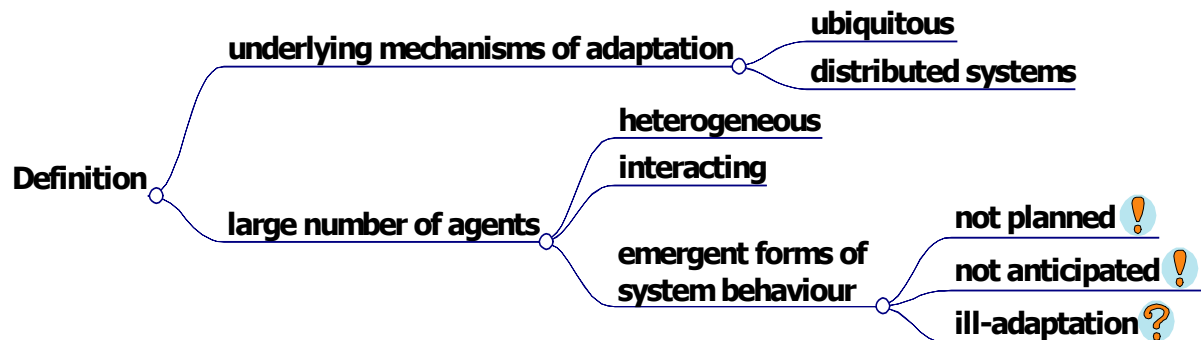
Design for Adaptation



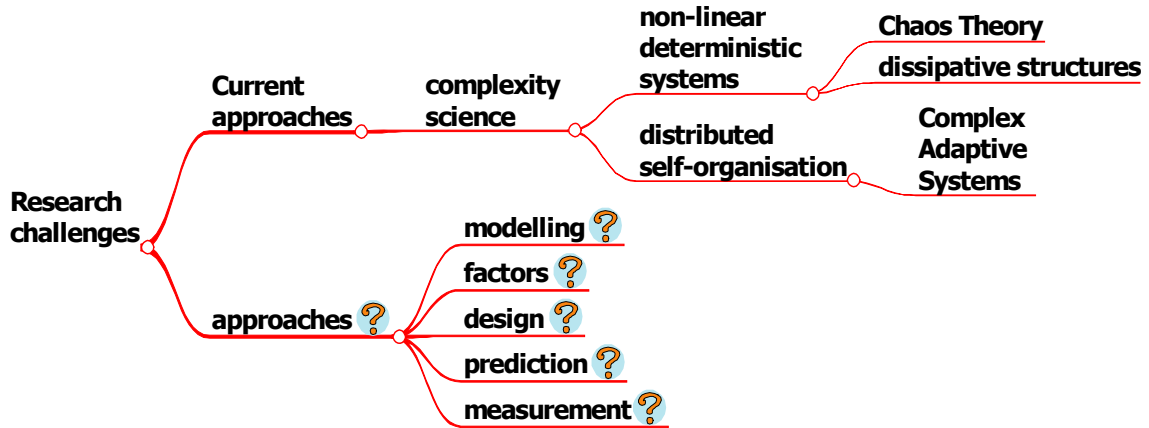
Design for Adaptation – Research challenges



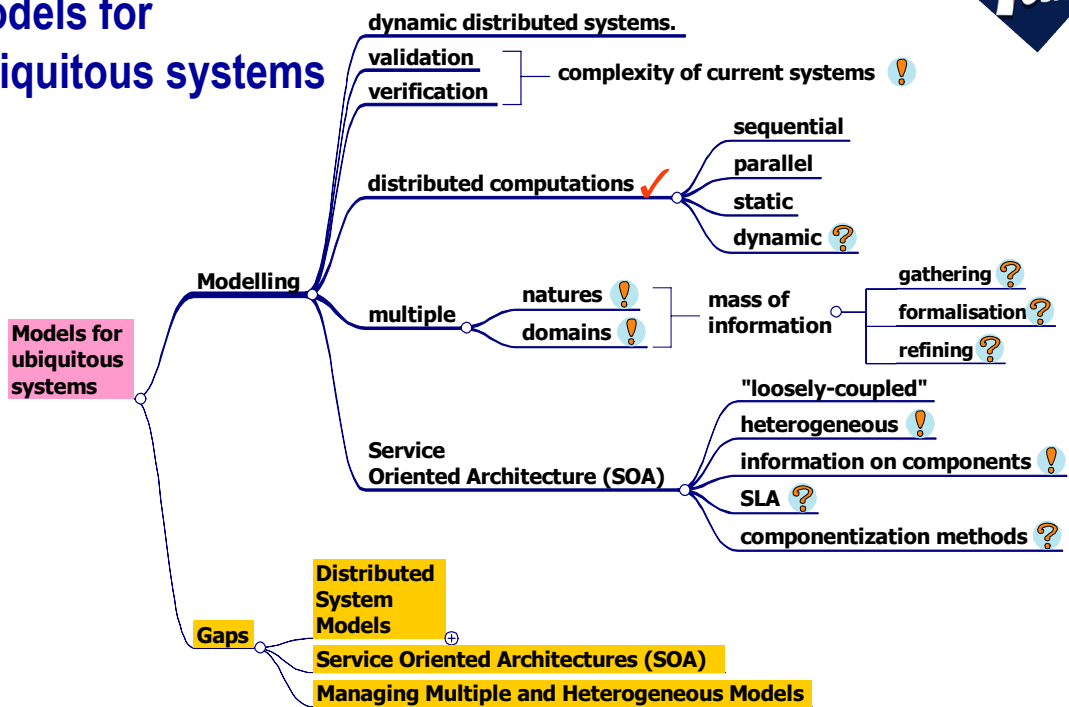
Complexity & Self-organization



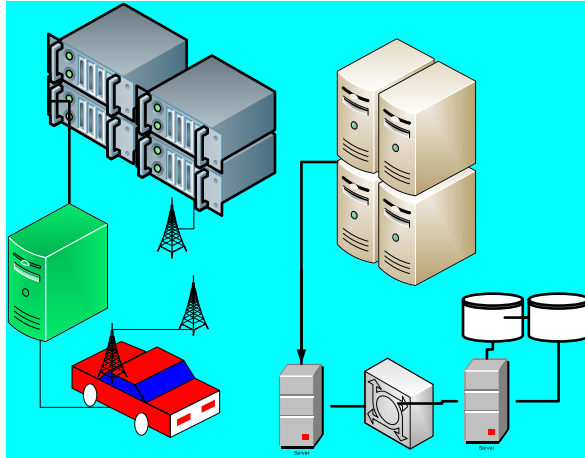
Complexity & Self-organization – Research challenges



Models for ubiquitous systems



Distributed System Models



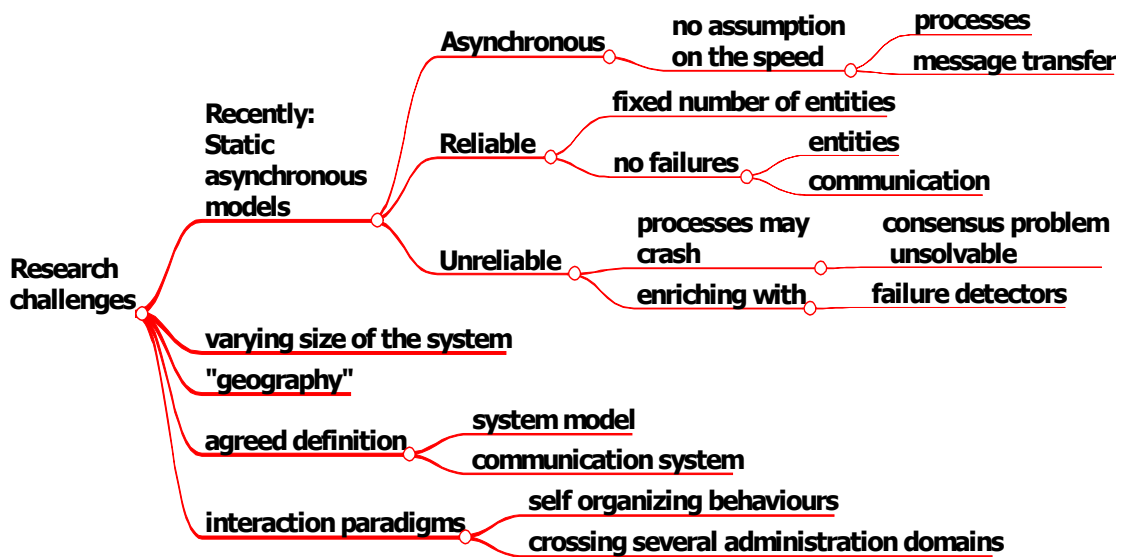
Definition

Full decentralization

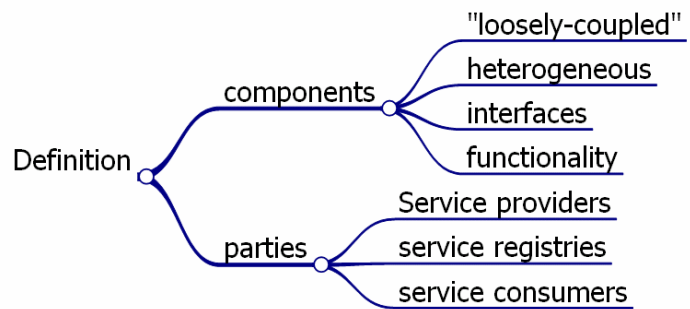
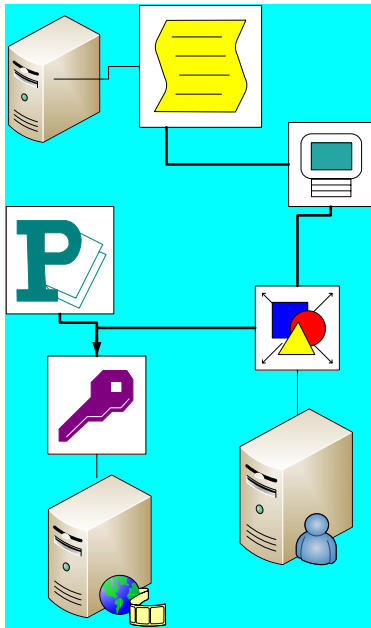
Dynamicity

Locality

Distributed System Models - Research challenges

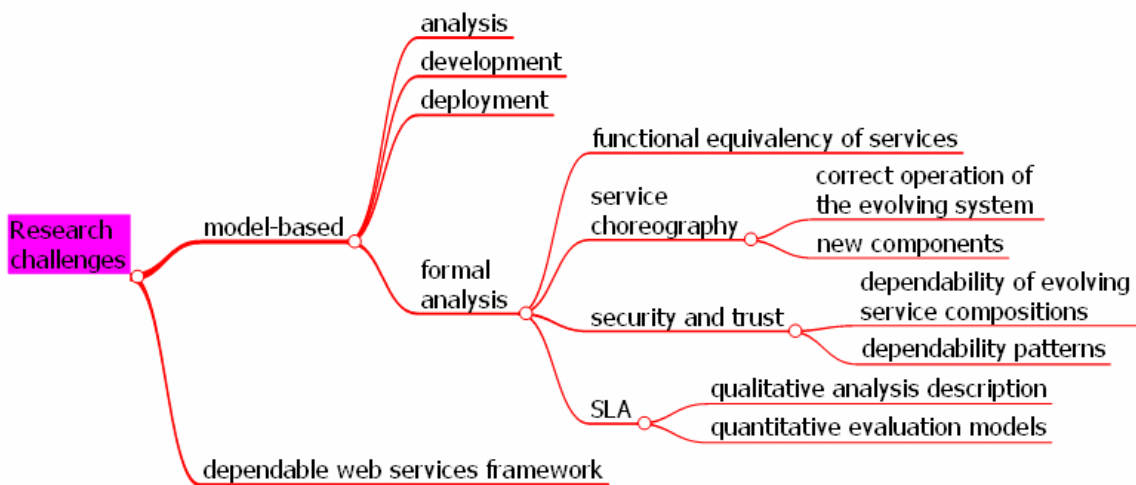


SOA



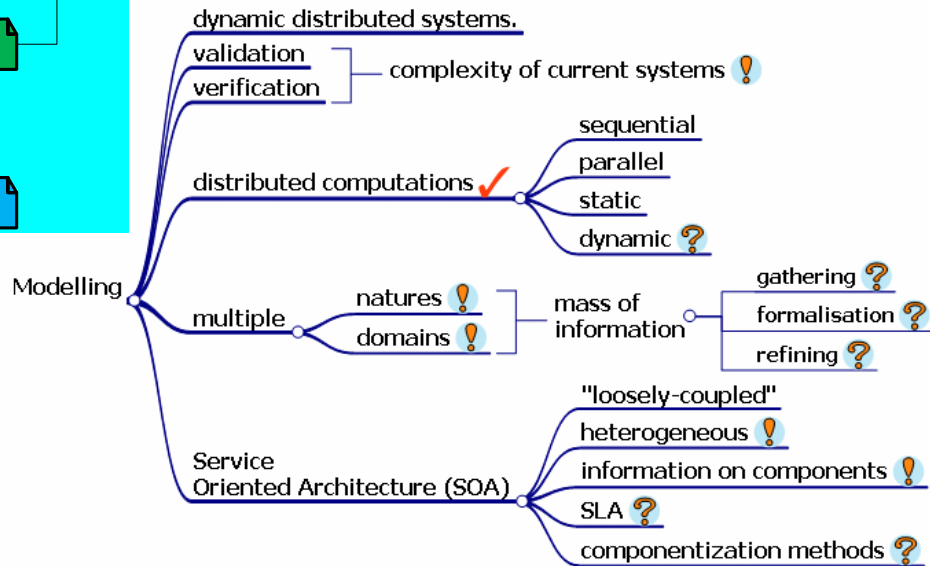
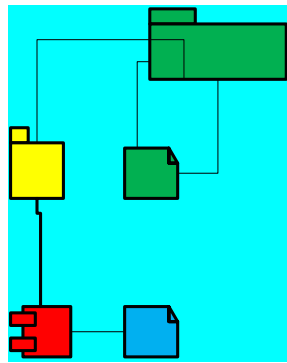
Resist Second Open Workshop
Rome, October

SOA – Research challenges



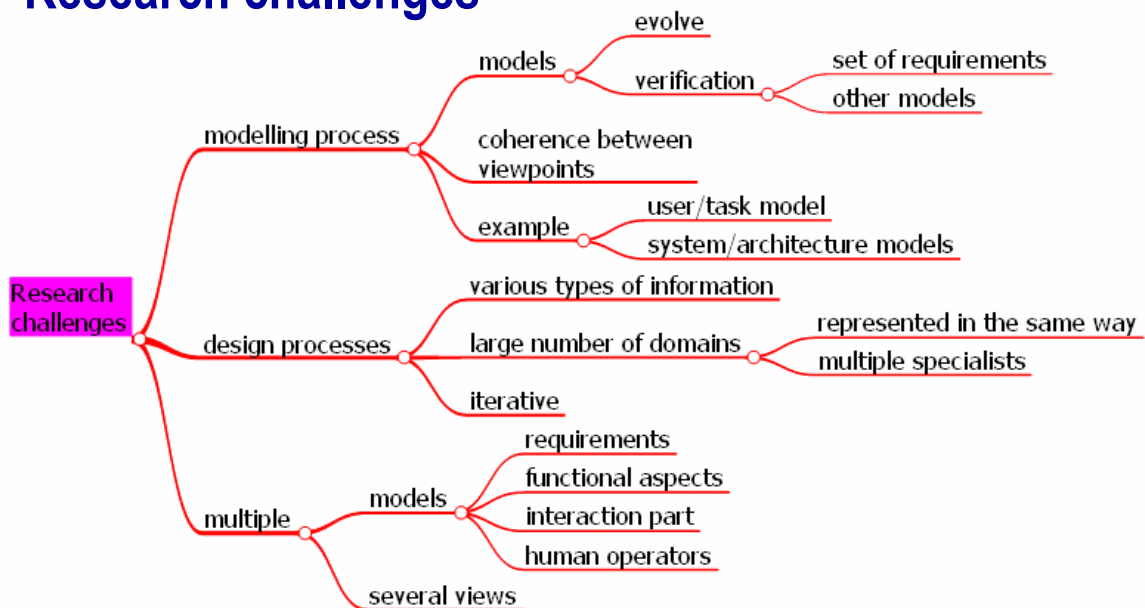
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Managing Multiple and Heterogeneous Models



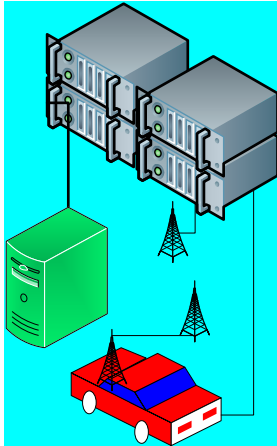
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Managing Multiple and Heterogeneous Models – Research challenges

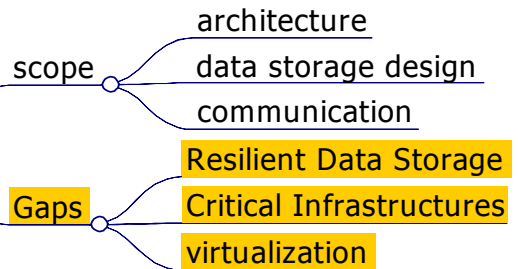


Rome, October

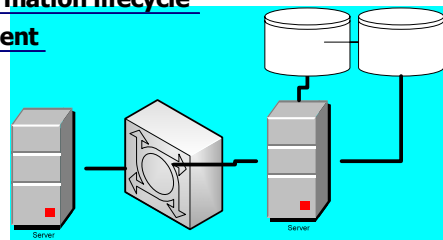
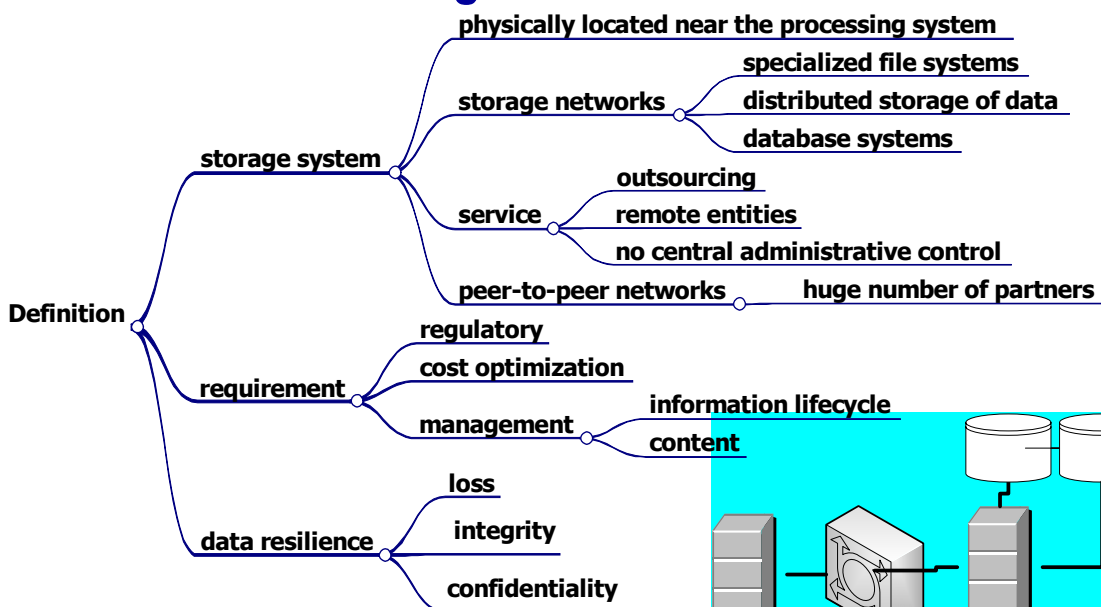
Resources & infrastructures for ubiquitous systems



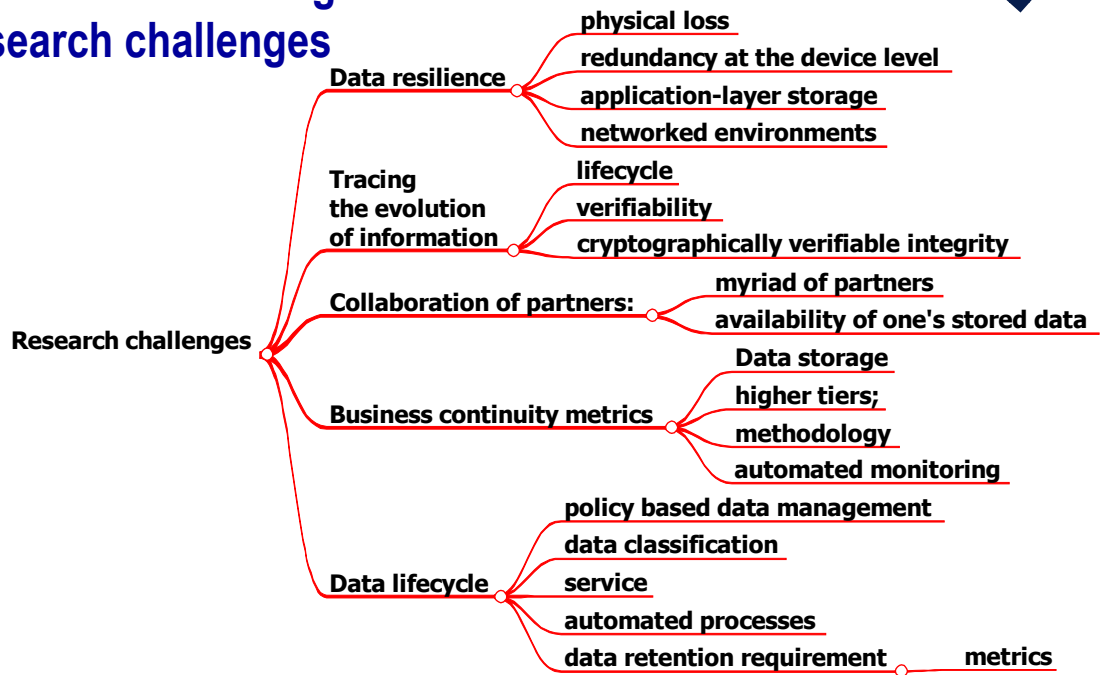
Resources and infrastructures for ubiquitous system



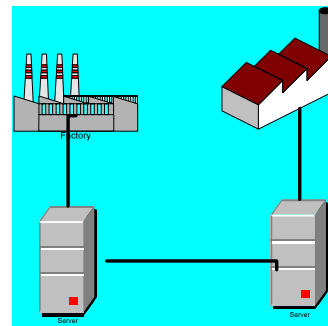
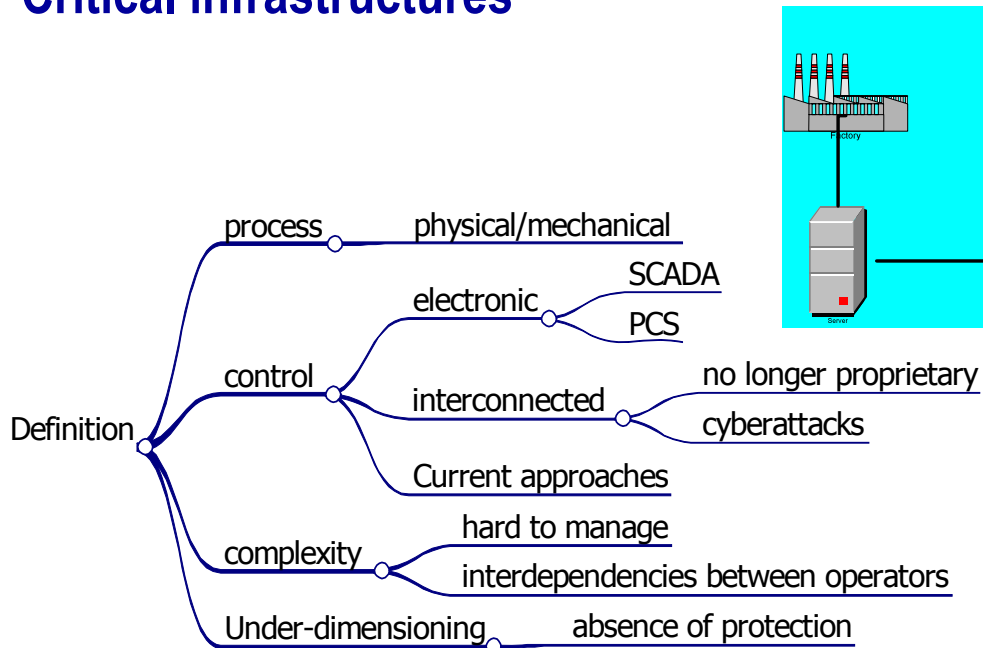
Resilient Data Storage



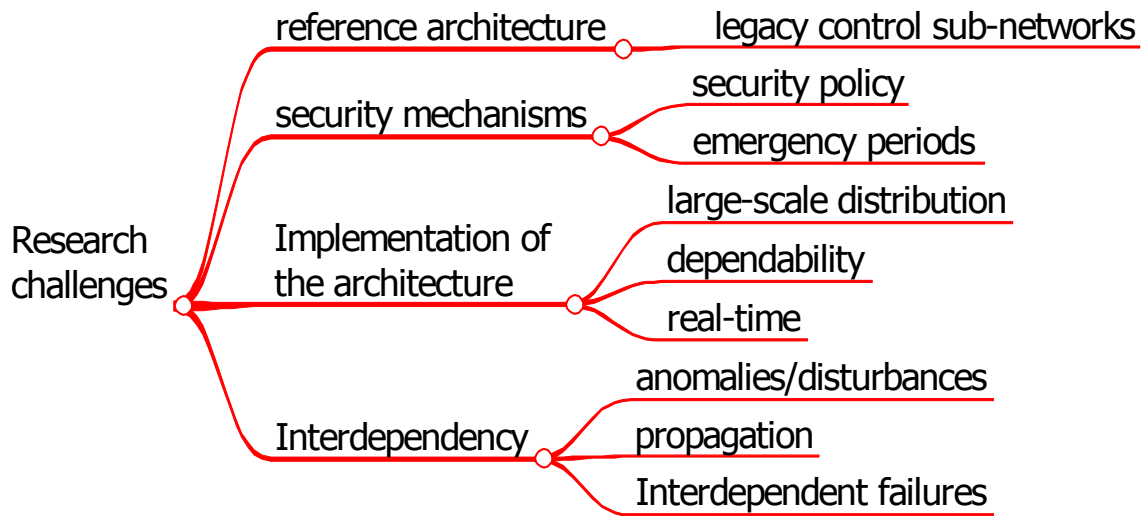
Resilient Data Storage – Research challenges



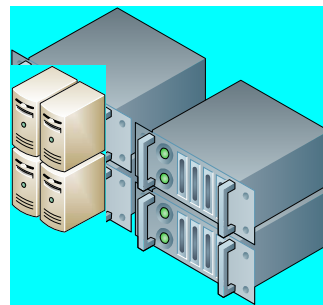
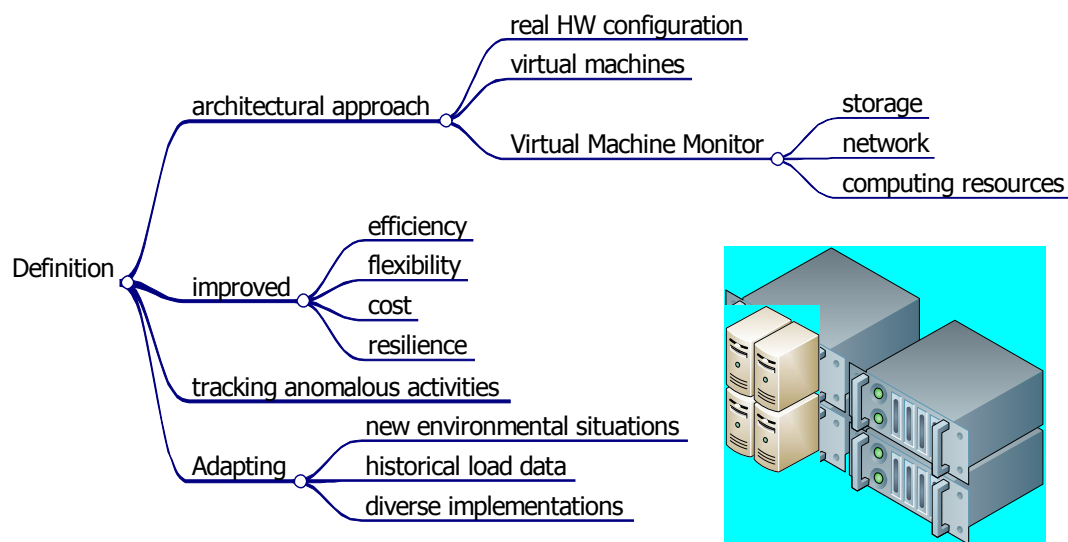
Critical infrastructures



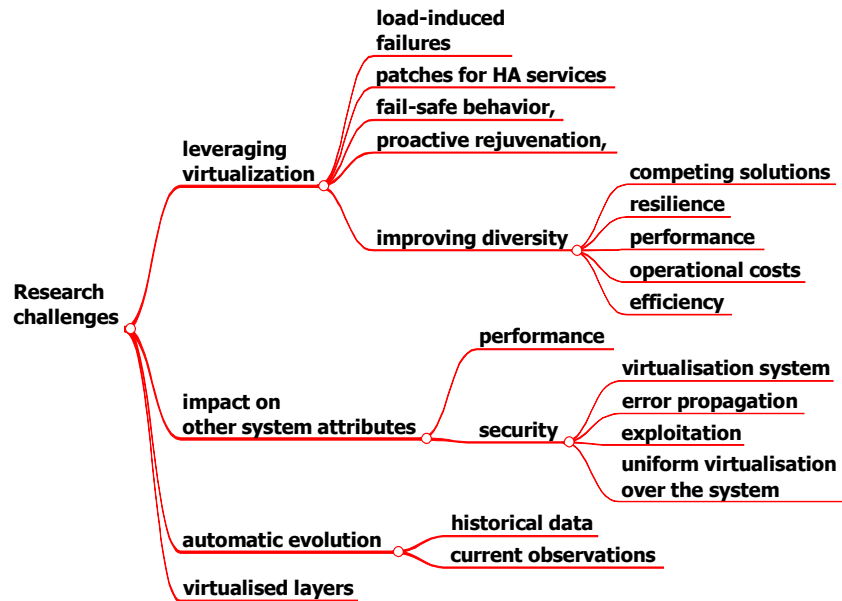
Critical infrastructures –research challenges



Virtualization



Virtualization – Research challenges



Summary

