IDM@EnBW Identity- and Organizational-Data-Management

Industry/Experience report on Recent Trends in Cyber Economy and the Impact on OT >

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Preface

About speaker and content

Industry/Experience report on Recent Trends in Cyber Economy and the Impact on OT



Who am I?

Name: Eleni Richter Education: Wirtschaftsingenieur (University of Karlsruhe TH)

More than 18 years in different positions at EnBW: IT-security-manager, IT-consultant, ITsystem designer, project-manager and architect



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What am I doing right now?

IDM = Identity and Organizational Data Management

- * Collection of various data in the company
- * Processing, aggregation, transformation, interlinking data
- * Giving the data to Office IT and Operational IT for usage in on premise and <u>in cloud scenarios</u>

Contains eight sketches, models and examples on recent trends in IT and OT





SKETCH Nº 3 Some Impacts of Digital Transformation at EnBW



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SKETCH № 6

Some thoughts on future prospects and widely divergent aims

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Pulling and pushing factors





SKETCH Nº 8 Finding a suitable

risk-model for your cloud-business



(1) Determine system boundary



<u>Application</u>: Technical and organizational determined system

(2) Interaction



local effectstay locallimited effectcooperation with partnergeneral effectgeneral rules apply

(3) <u>Responsibilty</u>



Manager

 * Knows his system and the boundary
* Knows interaction
* Organizes jobs and tasks

(4) <u>Rules for important general domains</u>



Some criteria for importance: * compliance * expensive * critical process

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Organize some governance for really important domains which have general effects 10

Final Word

Summary

Industry/Experience report on Recent Trends in Cyber Economy and the Impact on OT

* Cloud-services are important enablers for your business. We consider this to be unstoppable and irreversible. We need to arrange us in a multi-cloud situation.

* The internet environment is quite unsuitable for OT: unpredictable changes, distributed, including failure, errors and security issues as frauds and attacks.

* A lot of measurement and engineering is necessary to run a stable and secure business.

* A risk based model is the right way to identify the important parts. A possible result of a risk analysis could be that you don't want to run something as a cloud service any more.





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