

Data Architecture and Governance In An Agile World

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What is Agile





Agile accelerates ...





... but there are potential risks

GDPR fines and notices

From Wikipedia, the free encyclopedia

The General Data Protection Regulation (GDPR) is a European Union regulation that specifies standards for data European Economic Area, and the rights of European citizens to control the processing and distribution of person

Violators of GDPR may be fined up to €20 million, or up to 4% of the annual worldwide turnover of the preceding f following is a list of **fines and notices** issued under the GDPR, including reasoning.



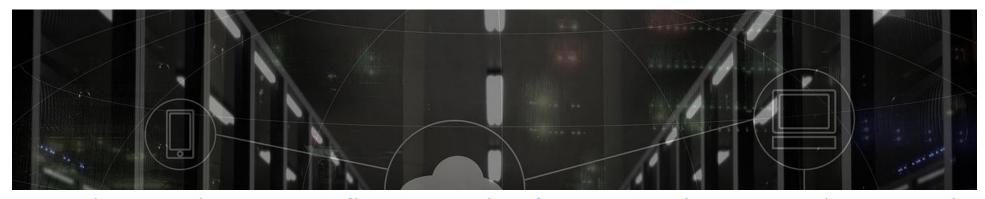
This table is incomplete for fines imposed by the **Hungarian DPA** because they have published in English or in the National News section of the European Data Protection by adding information about GDPR enforcement in Hungary.

Date +	Organisation +	Amount ¢	Issued by ▼	Reasor
2019- 06-24	EE (telecoms)	£100,000	UK (ICO)	Sending over 2.5 million direct marketing mess consent.[18][19]
2019- 07-08	British Airways	£183 million	UK (ICO)	Use of poor security arrangements that results affecting 500,000 consumers. [20][21][22]
2019- 07-09	Marriott International	£99 million	UK (ICO)	Failure to undertake sufficient due diligence w whose systems where compromised in 2014, ϵ records ^[25]





What is Enterprise Architecture



Enterprise Architecture is a well-defined practice for conducting enterprise analysis, design, planning, and implementation, using a comprehensive approach at all times, for the successful development and execution of strategy (adapted from Wikipedia)



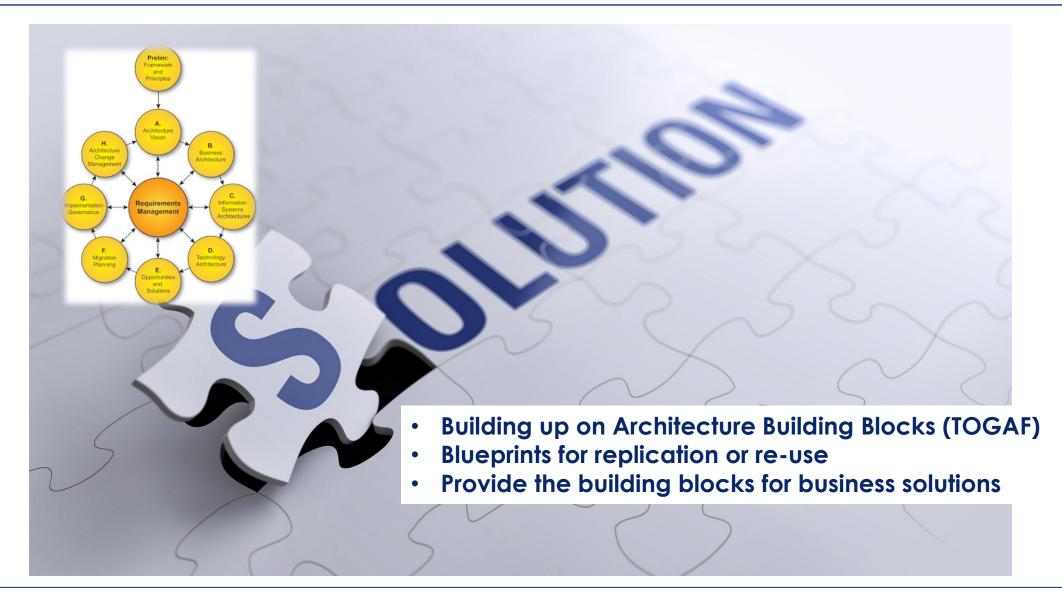


Bringing the two worlds together



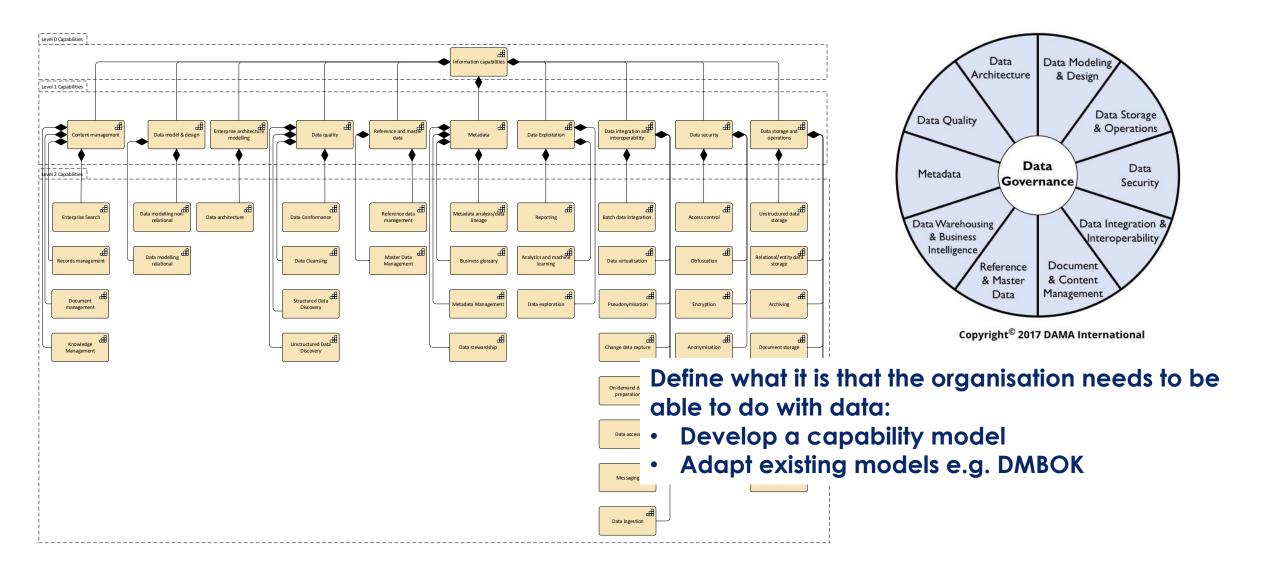


Architecture Patterns



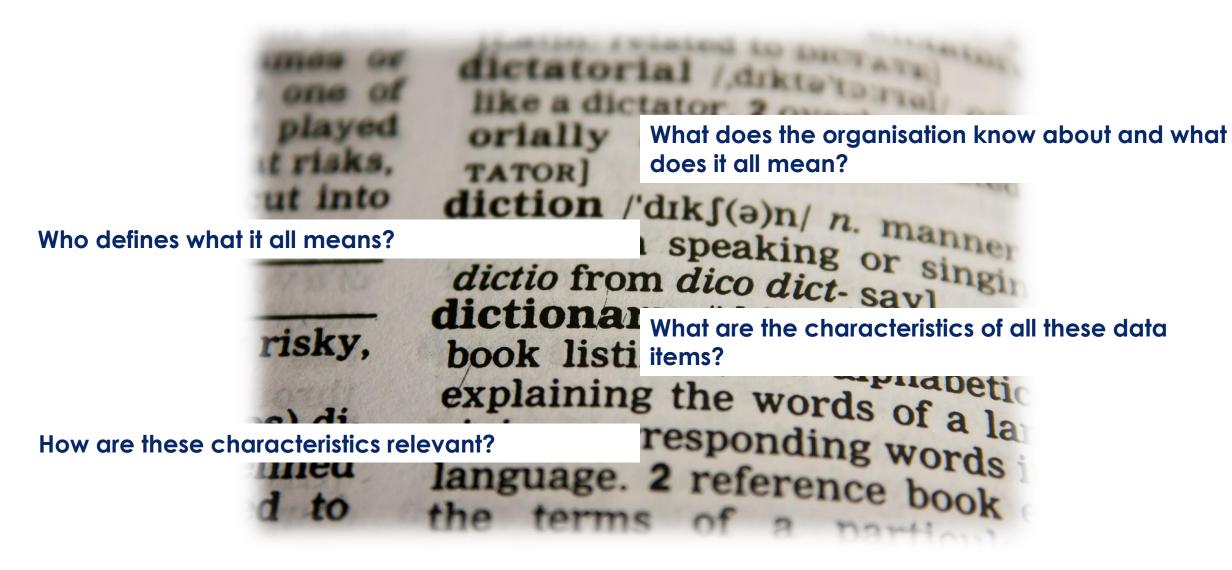


Capability Model



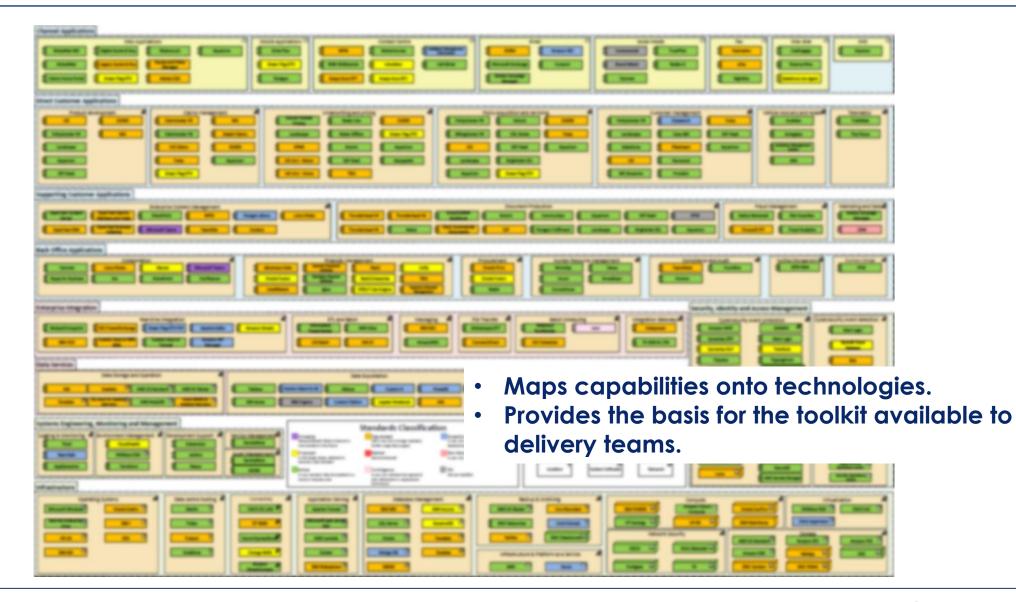


Business Glossary





Reference architecture





Putting it all together

Business Glossary

- Regulatory relevance (GDPR? PCI?) & Confidentiality
- Business subject area
- How is data to be structured / described?

Data Capabilities

- Which capabilities are realised through this pattern?
- Are these capabilities to be re-used or replicated?

Data Architecture Pattern

Reference implementation

- What are the example implementations of this pattern?
- What are the constraints for re-use?
- What are the cost implications?

Reference Architecture

- What technologies are available to implement the capabilities?
- Are there any constraints based on business data processed / managed?



In summary

