JOIV : International Journal on Informatics Visualization

- Editorial Team
- Focus & Scope
- Indexing
- Author Guidelines
- Peer Review Process
- Author Fees
- Publication Ethics
- Online Submission
- Open Access Statement
- Plagiarism Policy
- Licensing terms
- Contact

PUBLICATION PARTNERS

User

Journal Content
Browse

- By Issue
- By Author
- By Title

March 2017, Vol 1, No 1
June 2017, Vol 1, No 2
Sept 2017, Vol 1, No 3
Dec 2017, Vol 1, No 4
Dec 2017, Vol 1, No 4-2
March 2018, Vol 2, No 1
June 2018, Vol 2, No 2
Sept 2018, Vol 2, No 3
Sept 2018, Vol 2, No 3-2
Dec 2018, Vol 2, No 4

Current Issues :

Dec 2018, Vol 2 No 4-2

Future Issues :
March 2019, Vol 3, No 1

- HOME
- ABOUT
- LOGIN
- REGISTER
- SEARCH
- CURRENT
- ARCHIVES

Integrated Enterprise Resilience Architecture Framework for Surviving Strategic Disruptions

Hassan Ahmed Hassan Mohamed, Galal Hassan Galal-Edeen

Abstract

Resilient business enterprises are able to survive strategic disruptions like technology disruptions and come back more successful. They succeed because they develop and effectively implement the resilience strategies of mitigation, adaption, and transformation. This paper proposes an integrated resilience framework that is based on a combination of enterprise architecture and business architecture frameworks. At the core of the proposed framework is a meta-model and a method. The framework guides the development of a unified vision of how a business enterprise can address a specific strategic disruption and transform itself in a successful way. The framework articulates the vision through the lens of business blueprint views that guide the formation of transformation initiatives. Through the mapping capabilities of the framework, the transformation initiatives cross over the boundaries between organization structures and domains. In the last section we demonstrate our proposed method and meta-model with the help of a case study.

Keywords

disruption; strategic disruption; resilience; mitigation; adaptation; transformation; operating model; competitive strategy; business model; enterprise architecture; business architecture; capability; value stream; value proposition;

References

Barney, J. B. (1991). "Firm Resources and Sustained Competitive Advantage." Journal of Management 17: 99-120.

Bernard, S. A. (2012). An introduction to enterprise architecture, AuthorHouse.

Bossidy, L. and R. Charan (2002). Execution: The Discipline of Getting Things Done Crown Business, New York.

Brandenburger, A. M. and H. W. Stuart (1996). "ValueÃ¢Â€Â•based business strategy." Journal of economics & management strategy 5(1): 5-24.

Burton, B. (2010). "Eight Business Capability Modeling Best Practices." Gartner Research, ID(G00175782).

Choo, C. W. (1996). "The knowing organization: How organizations use information to construct meaning, create knowledge and make decisions." International Journal of Information Management 16(5): 329-340.

De Jong, M., et al. (2013). "The eight essentials of innovation performance." McKinsey Strategy.

Fehskens, L. (2008). Re-thinking architecture-the architecture of enterprise architecture. 20th Enterprise architecture practitioners conference, The Open Group, Reading, UK.

Fiksel, J. (2003). "Designing Resilient, Sustainable Systems." Environmental Science and Technology.

Folke, C., et al. (2002). "Resilience and sustainable development: building adaptive capacity in a world of transformations." Ambio(31): 437-440.

Folke, C., et al. (2010). "Resilience Thinking: Integrating Resilience, Adaptability and Transformability." Ecology and Society 15(4).

Frow, P. and A. Payne (2011). "A stakeholder perspective of the value proposition concept."

European journal of marketing 45(1/2): 223-240.

Galal-Edeen (2008). "Cairo University Strategy Formulation: an Architectonic View." Conference on Enhancing the Competitiveness of Universities, Faculty of Commerce, Cairo University.

Garr, D. and I. Redux (2000). Lou Gerstner and the Business Turnaround of the Decade, HarperInformation.

Geracie, G. and S. D. Eppinger (2013). The Guide to the Product Management and Marketing Body of Knowledge, Product Management Educational Institute (PMEI).

GUILD, B. (2014). "A Guide to the Business Architecture Body of Knowledge (BIZBOK Guide)." V04.

Hamel, G. and L. VÃƒÂ¤likangas (2003). "The Quest for Resilience." Harvard Business Review.

Holling, C. S. (1973). "Resilience and Stability of Ecological Systems." Annual Review of Ecological Systems(4).

Jonkers, H., et al. (2012). "The ArchiSurance case study." White paper, The Open Group, Spring.

Josey, A. (2011). Togaf version 9.1 enterprise edition: An introduction, Open Group.

Josey, A., et al. (2016). "An Introduction to the ArchiMateÃ‚Â® 3.0 Specification." White Paper from The Open Group.

Kellerman, J. and P. LÃƒÂ¶fgren (2008). Application Portfolio Management.

Komori, S. (2015). Innovating out of crisis: How Fujifilm survived (and Thrived) as its core business was vanishing, Stone Bridge Press, Inc.

Lankhorst, M. (2009). "{Enterprise Architecture at Work: Modelling, Communication and Analysis (The Enterprise Engineering Series)}."

Lapkin, A., et al. (2008). "Gartner Clarifies the Definition of the Term Enterprise Architecture." Research G00156559, Gartner.

Longstaff, P. H., et al. (2010). "Building Resilient Communities: A Preliminary Framework for Assessment." HOMELAND SECURITY AFFAIRS VI(3).

May, R. M., et al. (2008). "Complex systems: Ecology for bankers." Nature 451(7181): 893-895.

Peffers, K., et al. (2007). "A design science research methodology for information systems research." Journal of management information systems 24(3): 45-77.

Quinn, J. B. (1980). Strategies for change: Logical incrementalism, Irwin Professional Publishing.

Reeves, M., et al. (2016). "The biology of corporate survival." Harvard Business Review 94(1): 2.

Schwartz, P. and D. Randall (2007) Ahead of the Curve: Anticipating Strategic Surprise. MONITOR_ GROUP

Ulrich, W. and M. Rosen (2014). "The Business Capability Map: Building a Foundation for Business/IT Alignment (2011)." Cutter Consortium for Business and Enterprise Architecture.

Walker, B. and J. A. Meyers (2004). "Thresholds in Ecological and Social-Ecological Systems: a Developing Database." Ecology and Society 9(2).

Winter, R. and R. Fischer (2006). Essential layers, artifacts, and dependencies of enterprise architecture. Enterprise Distributed Object Computing Conference Workshops, 2006. EDOCW'06. 10th IEEE International, IEEE.

Yoder, J., et al. (2012). Insurance 2020: Turning change into opportunity, Retrieved from Pricewaterhouse-Coopers Insurance website: http://www. pwc. com/gx/en/insurance/pdf/insurance-2020-turning-change-into-opportunity. pdf.

Refbacks

- There are currently no refbacks.

JOIV: International Journal on Information

Published by In

formationTechnologyDepartmentPoliteknikNegeriPadang', Indon

// &amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;lt;div class="statcounter"&amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;gt;&amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;lt;a title="web stats" href="http://statcounter.com/" target="_blank"&amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;gt;&amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;lt;img class="statcounter" src="//c.statcounter.com/11308198/0/99ca6795/0/" alt="web stats" &amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;gt;&amp;amp;a

mp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;a
mp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;a
mp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;a
mp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;a
mp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;a
mp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;lt;/a&amp;amp;amp;amp;a
mp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;a
mp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;a
mp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;a
mp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;a
mp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;a
mp;amp;amp;amp;amp;amp;amp;amp;amp;gt;&amp;amp;amp;amp;amp;amp;amp;am
p;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;am
p;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;am
p;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;am
p;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;am
p;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;am
p;amp;amp;amp;amp;amp;amp;lt;/div&amp;amp;amp;amp;amp;amp;amp;amp;amp;a
mp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;a
mp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;a
mp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;a
mp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;a
mp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;amp;a
mp;amp;amp;amp;gt; View My Stats