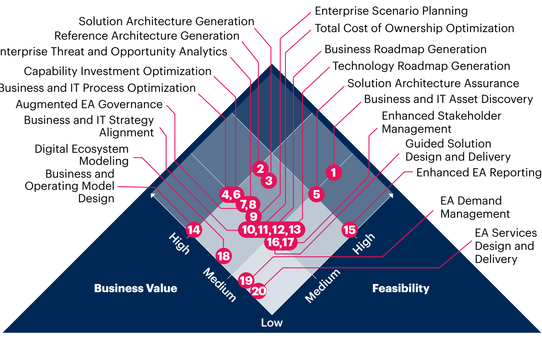
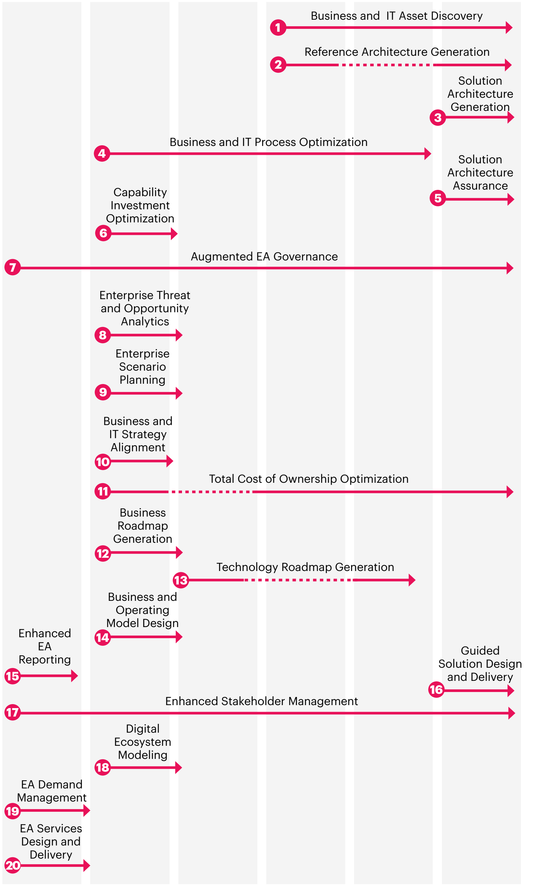
Gartner

Use Case Prism for AI-Assisted Enterprise Architecture Activities



Manage and Evolve the EA Function	Facilitate Digital Business Strategy	Support Technology - Enabled Innovation	Modernize Digital Foundations	Plan and Manage the Digital Portfolio	Guide Solution Design and Delivery

•• Business case is intermittent and doesn't apply to the process spanning the dotted line.



○ None ◔ Low
◑ Medium ◕ High
● Very High

Dimensions 1-7 defined in footnotes.

		Business Value					Feasibility	
		Cost Optimization[1]	Business Growth[2]	Operational Effciency[3]	Business Resilience[4]	Business Agility[5]	Technical Feasibility[6]	Non-Technical Feasibility[7]
1	Business and IT Asset Discovery	◕	○	◕	◕	◔	●	●
2	Reference Architecture Generation	◕	◕	◕	◕	●	◕	◑
3	Solution Architecture Generation	◑	◕	◕	◕	●	◕	◑
4	Business and IT Process Optimization	●	◑	◕	◕	◕	◑	◑
5	Solution Architecture Assurance	◔	◔	◕	◕	◑	◕	◕
6	Capability Investment Optimization	◑	◕	◕	◕	◕	◑	◑
7	Augmented EA Governance	◔	◔	◕	●	◑	◕	◑
8	Enterprise Threat and Opportunity Analytics	◔	◕	◑	●	◕	◑	◑
9	Enterprise Scenario Planning	◔	◕	◕	◕	◕	◑	◑
10	Business and IT Strategy Alignment	◔	◕	◑	◕	◕	◑	◑
11	Total Cost of Ownership Optimization	●	◑	◕	◑	○	◑	◑
12	Business Roadmap Generation	◔	◕	◕	◑	◔	◑	◑
13	Technology Roadmap Generation	◕	◔	◕	◕	◔	◑	◑
14	Business and Operating Model Design	◑	●	◕	◕	◕	◔	◔
15	Enhanced EA Reporting	◔	○	◑	◑	○	◕	◕
16	Guided Solution Design and Delivery	◔	◑	◕	◔	◕	◑	◑
17	Enhanced Stakeholder Management	◔	◑	◕	◔	◕	◑	◑
18	Digital Ecosystem Modeling	◑	◑	◕	◑	◕	◔	◔
19	EA Demand Management	◔	◑	◑	◔	◕	◔	◔
20	EA Services Design and Delivery	◔	◔	◕	◔	◑	◔	◔

[1] Cost Optimization — Includes cost optimization and IT.
[2] Business Growth — Includes market expansions, creation of new products and services, and customer experience enhancements.
[3] Operational Efficiency — Includes process automation and reduced times for activities.
[4] Business Resilience — Includes organizational, operational and IT resilience, cyber security, and regulatory compliance.
[5] Business Agility — Includes the ability to adapt, transform and execute at pace and scale in response to changes in strategy, threats and opportunities.
[6] Technical Feasibility — Includes if available technologies are a good match to use case complexity, are available in the market and mature enough.
[7] Non-Technical Feasibility — Includes stakeholder adoption issues, cultural acceptance, available skills and deployment into available infrastructure and regulations.

© 2023 Gartner, Inc. and/or its affiliates. All rights reserved. 791752_C