**IT transformation roadmap for a leading stock exchange**

**Background**
Client was one of the leading stock exchange in India and wanted to assess their current architecture landscape and maturity, define the target architecture blueprint, recommend the IT transformation roadmap to realise the future state vision and setup the enterprise architecture office to monitor the programme and drive innovation.

**Pain points**
Technology plays a very significant role to deliver robust, high performing exchange’s capabilities to the wider investment community. The current fragmented IT architecture and technology stack was nearly a decade old and needed re-assessment to align with new cutting edge and emerging technology landscape.

The key issues faced -
- Siloed and fragmented IT landscape limits maintainable and extensible capabilities
- Limited seamless real-time information sharing and availability
- Lack of single version of truth for master data
- Limited operational flexibility and process efficiency to introduce new products
- Exponential growth of data volumes per trading session limits high performance trading execution

**Our solution**

**Phase 1:** Define architecture vision, blueprint and roadmap
- Define enterprise architecture vision
- Define target architecture blueprint and implementation roadmap

**Phase 2:** Operationalise enterprise architecture office and governance processes
- Define architecture governance structure, setup of the architecture review board structure, define the roles and responsibilities of each board members
- Define architecture governance processes, identifying touch points within client’s current SDLC and budgeting and procurement processes
- Finalise architecture repository, governance artefacts, templates, questionnaires, RACI matrix
- Conduct Enterprise architecture awareness sessions with client stakeholders

**Client benefits**
- Improved agility and responsiveness to business needs
- Reduced IT complexity and improved cost effectiveness with consolidation and simplification of IT landscape
- Reduced data duplicity, improved data quality for faster decision making
- Streamlined operational processes through process automation and effective data sharing
- Better investment decisions through architectural governance

**Fulfilling the PwC Purpose of building trust in society and solving complex problems**
This engagement enabled client to manage its technology complexity, improve agility and responsiveness to customer needs, and enabled a disciplined technical implementation with reduced delivery time and costs.

**Contacts**
Abhijit Majumdar
E: Abhijit.majumdar@in.pwc.com
Dipika Das
E: dipika.das@in.pwc.com

© 2016 PricewaterhouseCoopers Private Limited. All rights reserved. In this document, “PwC” refers to PricewaterhouseCoopers Private Limited (a limited liability company in India having Corporate Identity Number or CIN : U74140WB1983PTC036093), which is a member firm of PricewaterhouseCoopers International Limited (PwCIL), each member firm of which is a separate legal entity.