

# ENTERPRISE DEVOPS IN THE CLOUD

## The Confluence of the Agile, DevOps & Cloud Approaches to IT in the Capital Markets

In 2018, many investment banks utilise discrete development and operations teams with segregated responsibilities, leading to inherent tensions between the teams due to their conflicting mandates: to update software and to maintain the up-time of applications. Agile and DevOps can help banks reduce this tension and streamline the upgrading and managing of systems and applications. It is GreySpark's view that utilising Infrastructure-as-a-Service (IaaS) across the enterprise would greatly facilitate the continuous testing and delivery advocated by both Agile and DevOps, leading to significant efficiency gains.

### WHY ADOPT AGILE ?

Enhances the efficiency of development teams

Coding errors are quickly remedied using iterative testing

### WHY ADOPT DEVOPS ?

Reduces friction between the development and operations teams

Introduces efficiencies by streamlining upgrades to software and systems

### WHY ADOPT CLOUD ?

Continuous testing, integration, development & deployment managed seamlessly in a virtualised cloud

Automated provisioning & management of network, storage & compute resources

Sufficient elasticity to cater for enterprise adoption of DevOps

GreySpark believes that firms that have not yet applied any Agile and DevOps practices should begin to plan, track and report capabilities to develop and deliver a single project or application in the cloud using these approaches. Only once successful delivery is achieved should the bank expand its capabilities and scale up this approach over time. In this way, organisations will ingrain internal best practices and create time- and resource-saving repeatable processes in their enterprise DevOps approach within the cloud.

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