

Cloud Transformation in Large Scale Enterprises

FaaS and Furious by Forrest Brazeal  A CLOUD GURU



Jayaprakash (JP)

Principal Cloud Architect

Architected large scale Business Transformation Programs using technology

Industry Mentor for IT/Management Executives

Half-Marathoner

Pandemic Habit : I take bath before sleep

Twitter : @watsupjp

Linkedin : <https://bit.ly/jpspeak>



Gratitude!



William Durkin

New Stars of Data



Ben Weissman

New Stars of Data



Constantin "Kostja" Klein

Mentor - Reviewer

Credits where its due. Images and Pictures

Business Landscape



1 Billion Dollars in Revenue

2 Software Enterprise with multiple Portfolios

3 Various Mergers and Acquisitions

Technology Landscape

1 Majorly On-Premise

2 Hardware Sprawl

3 Scope for consolidation/Modernization

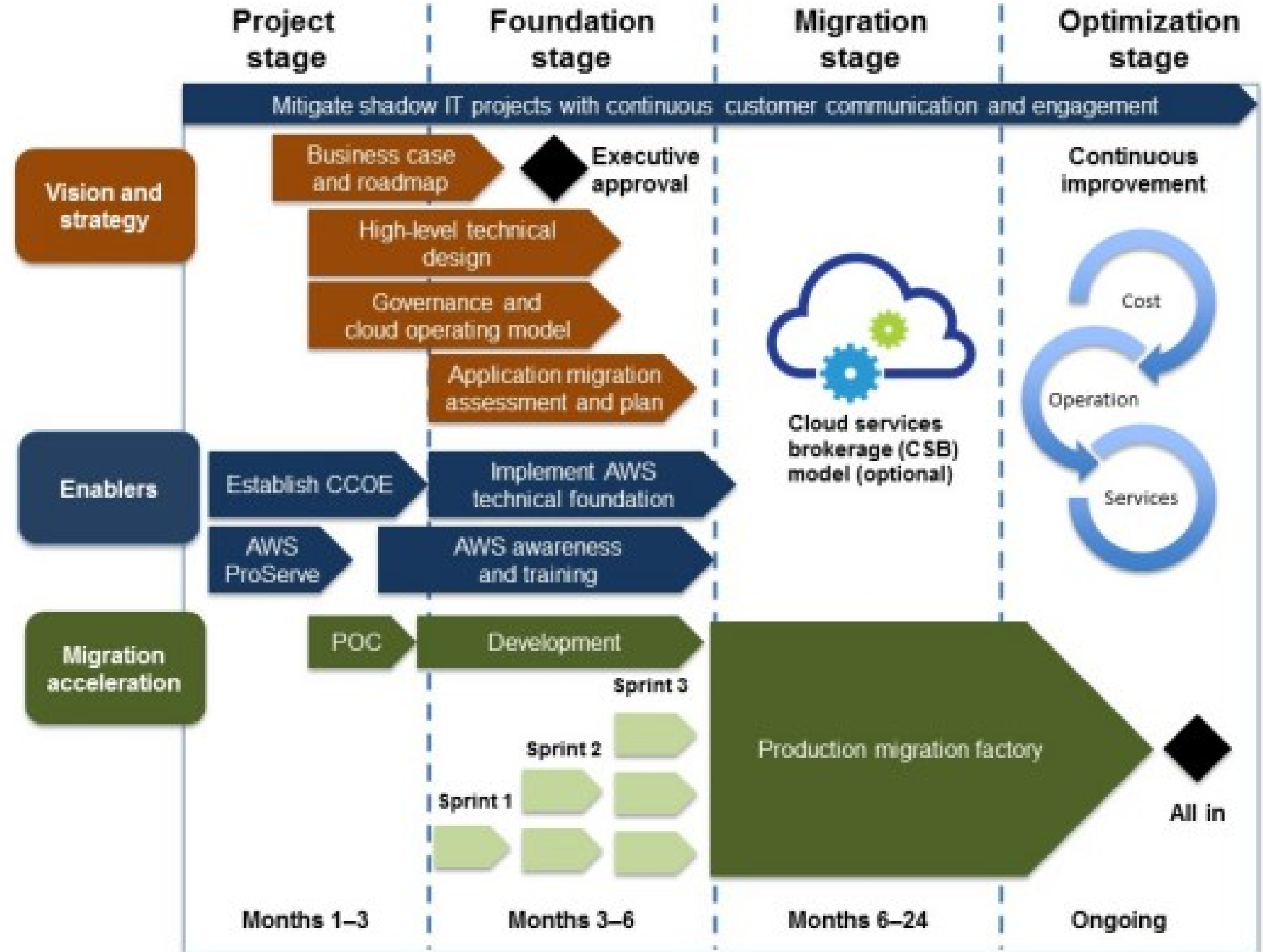
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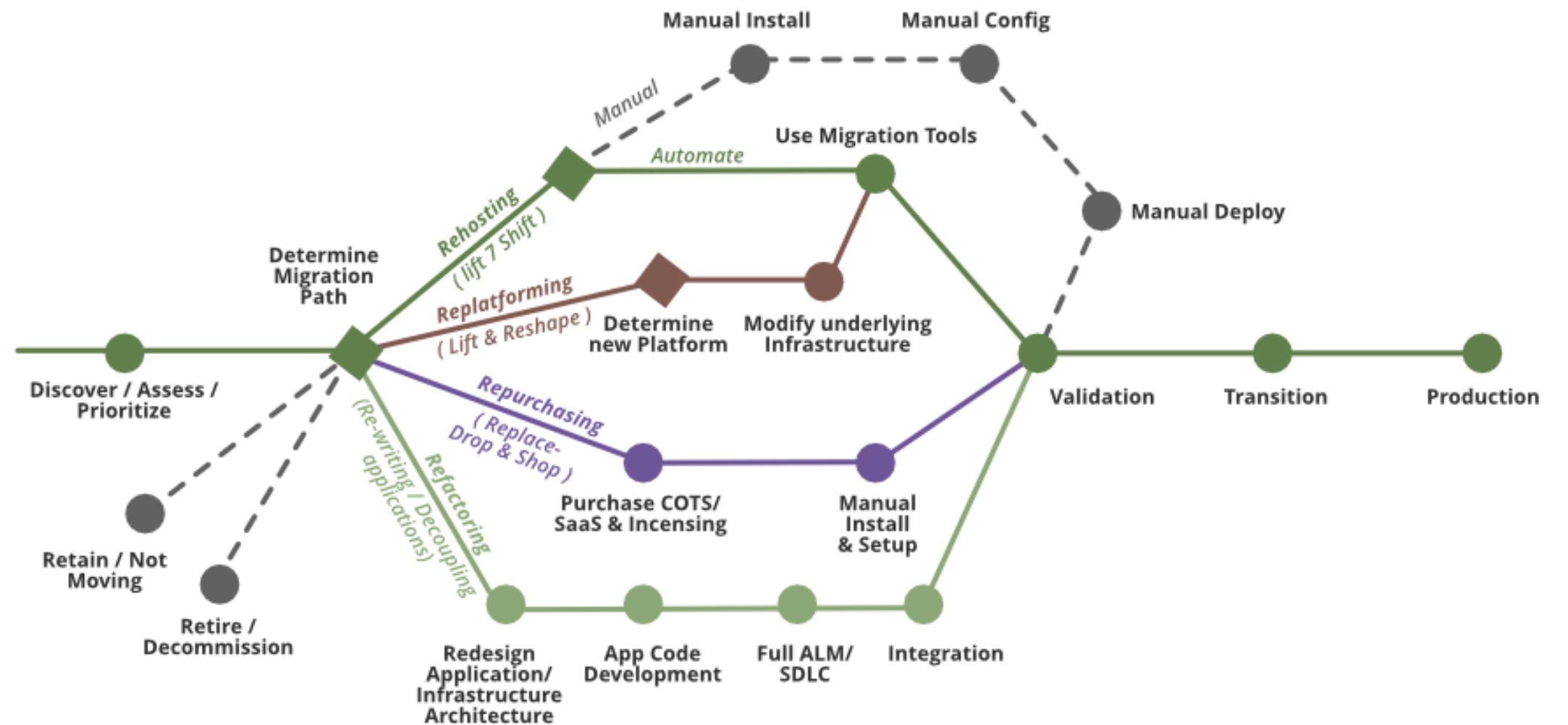


Cloud Transformation Maturity Model



Application Modernization

- 1.ReHost
- 2.RePlatform
- 3.RePurchase
- 4.ReFactor or ReArchitect
- 5.Retire
- 6.Retain

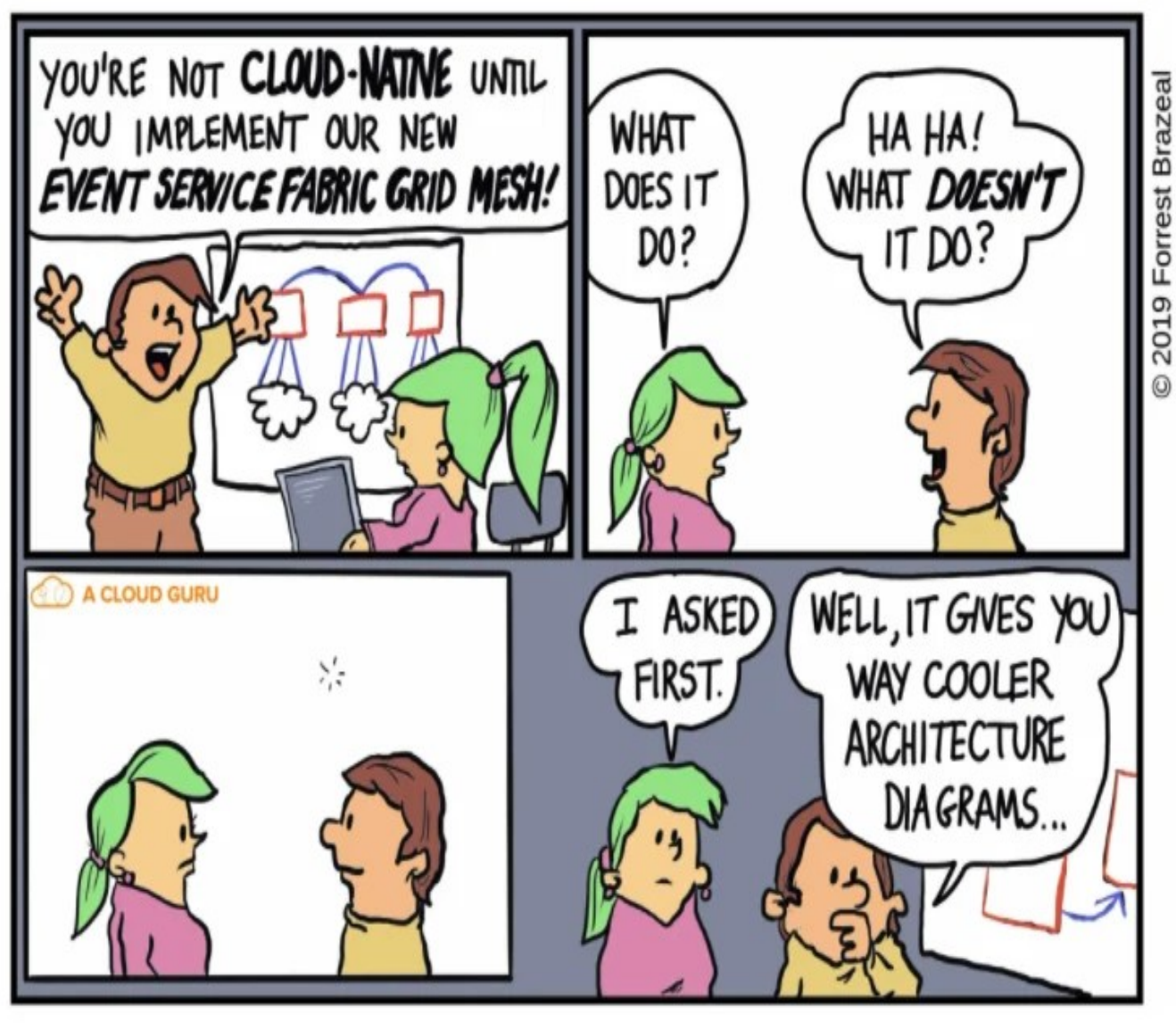


Approach and Execution

1 Hybrid Architecture

2 SAASification of the Products

3 Selective Sourcing



Challenges

1 Change of Mindset for People

2 Workload Migrations and Executions

3 Keeping it Simple



Database Migrations



1 Important Migration decision

2 Application performance and End-User centric

3 Cloud-First Approach

Azure SQL

SQL Server on Azure Virtual Machines



Best for re-hosting and apps requiring OS-level access and control

Automated manageability features and OS-level access

Infrastructure as a Service

Azure SQL Managed Instance



Best for modernizing existing apps

Offers high compatibility with SQL Server and native VNET support

Platform as a Service

Azure SQL Database

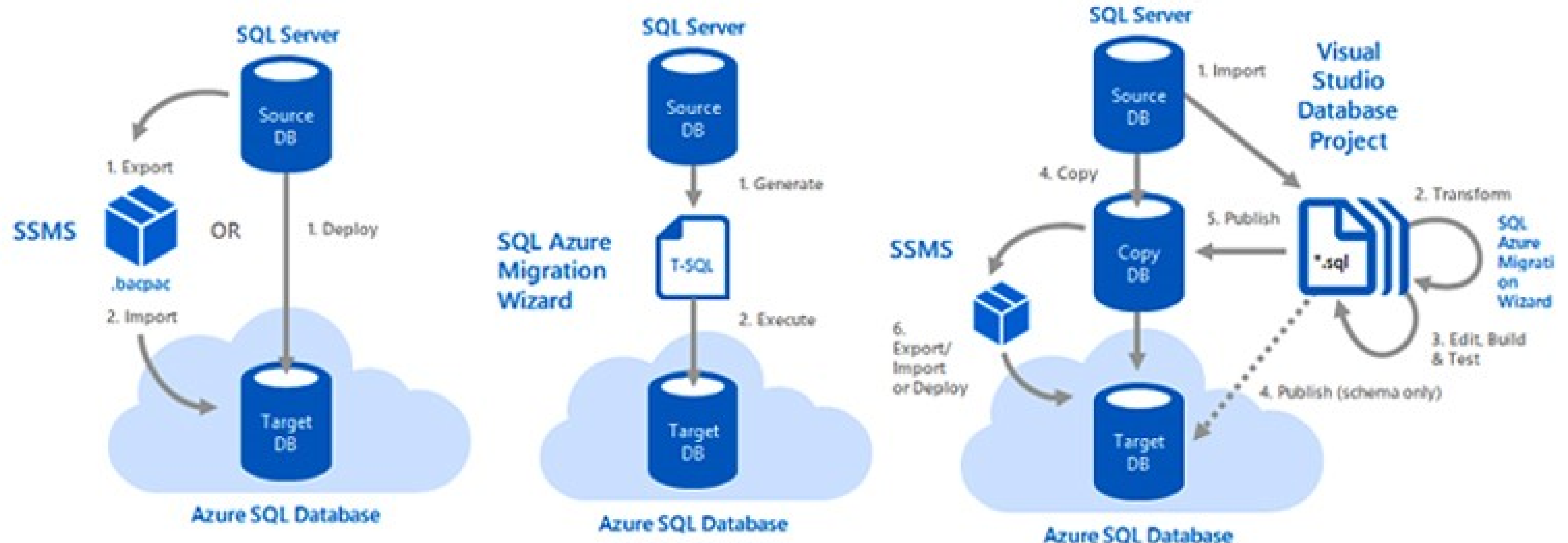


Best for building new apps in the cloud

Pre-provisioned or serverless compute and Hyperscale storage to meet demanding workload requirements



Migrate SQL Server Database to Azure SQL Database



Project Outcomes -

1 Hybrid Architecture

2 Working Business and Cloud Model

3 Seamless Transition



Learnings

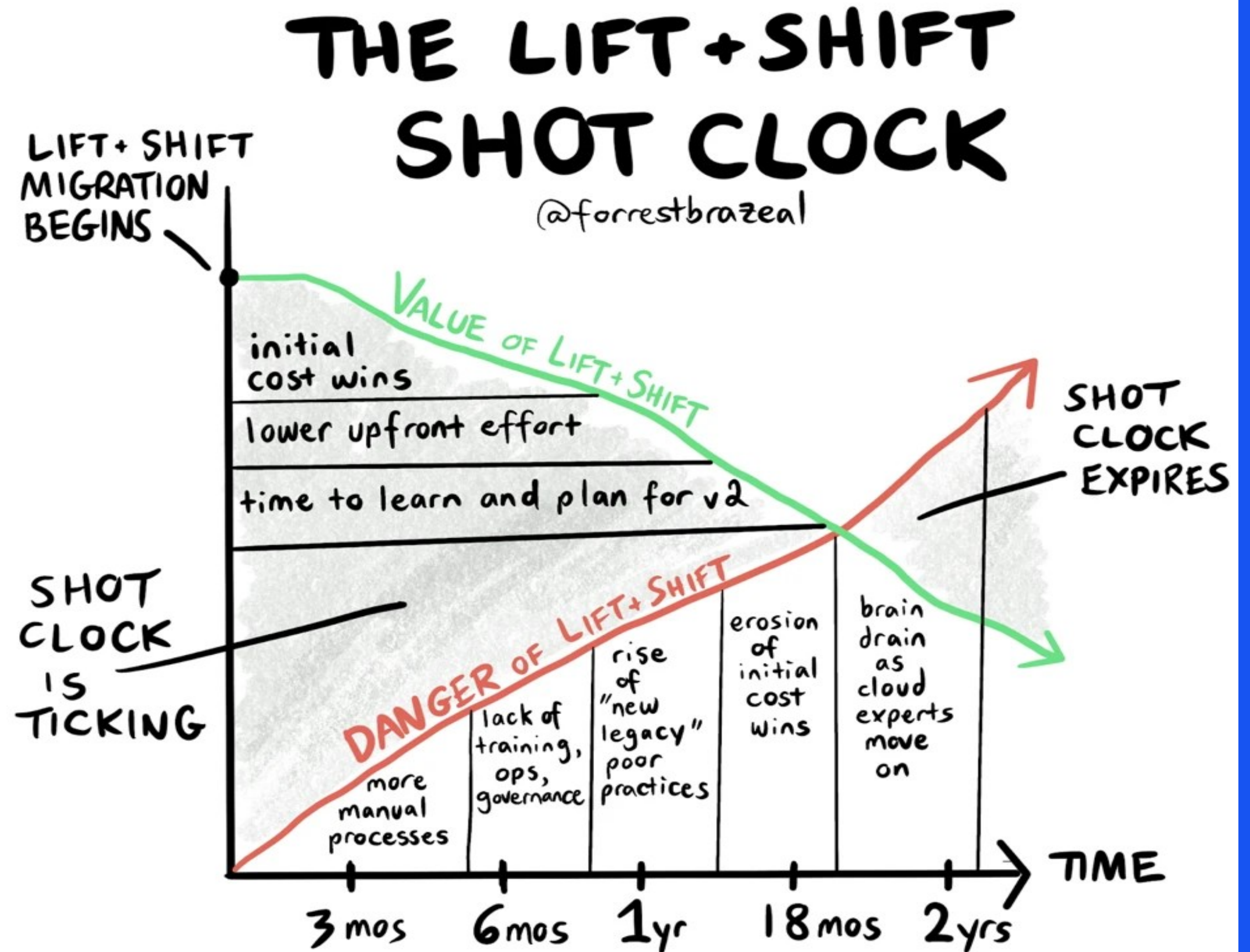


1 Keep it simple and Operational

2 It's a difficult journey but necessary

3 Hybrid Teams in addition to hybrid clouds

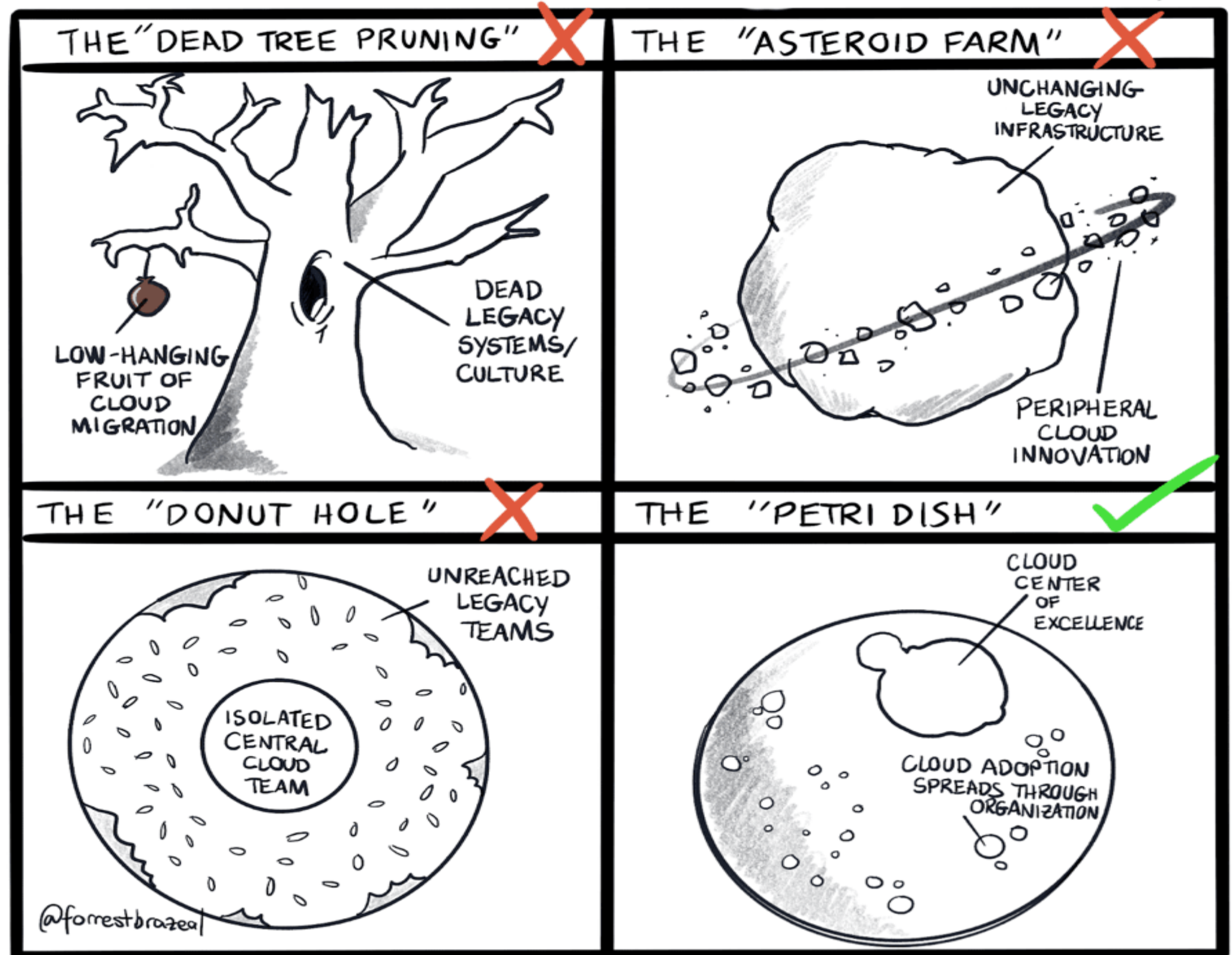
Lift and Shift of Servers without Shifting Mindsets



Build Cloud Center of Excellence The Right Way



IS YOUR CLOUD MIGRATION HEALTHY?



Train and Retain Existing Talent



Q & A

