CUSTOMER SUCCESS OVERVIEW



Development & DevOps

Environment Transformation

Development of a CICD life cycle involving cloud and micro-services with DevOps Orchestration Tool



CLIENT

A global technology company

KEY DRIVER

- Ease the activities of building environments and managing releases
- Setup the DevOps orchestration environment for continuous development/integration of multiple products in the organization
- Operation dashboard of environment, service, release, and tools

CHALLENGES TO BE ADDRESSED

- Longer time and higher effort in building quality environments and composing relevant services for releases due to the multiplicity & complexity of scripts & configurations
- Duplication of tasks and higher potential of errors as the teams are operating in silos and building multiple one-off solutions
- User dissatisfaction due to delayed release of product features or not meeting the planned product release schedules



SOLUTION – OUR ROLE

End-to-end responsibility that includes conceptualizing a self-organizing development process, portal design, system architecture and development

Leveraged our deep understanding & experience of cloud, modern DevOps practices, micro-services, and CI/CD orchestration tools



SOLUTION – APPROACH & KEY CONSIDERATIONS

COMMON TOOL FOR ALL PRODUCTS & TEAMS



A user-friendly web application and scripts accessible by all teams to manage deployed applications, environments, releases, and services

PROCESS STANDARDIZATION & SIMPLIFICATION



A standardized process that support the dayto-day process of teams to simplify their activities across the development life cycle

TEMPLATE-DRIVEN & REUSABILITY



A framework that leverages the constructs of orchestration through scripting, configurable keys, and composition techniques

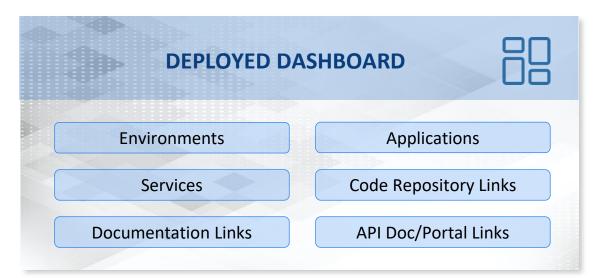
EXTENSIBILITY & CLOUD AGNOSTIC



A design mechanism that can be easily extended for a micro-services based application to support leading cloud providers



SOLUTION MODULES – KEY INFO





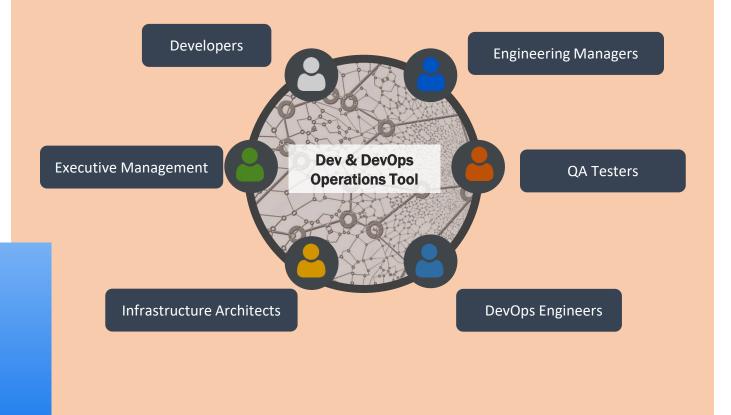






SOLUTION – PARTICIPANTS & KEY TECHNOLOGIES

A common solution that helps all involved in the Continuous Development & Integration



KEY TOOLS & TECHNOLOGIES	
Languages TypeScript, JavaScript	UI Framework Angular
Micro-Service NodeJS	Orchestration Terraform
Deployment Cloud AWS (extendible to other cloud providers)	Data Store MongoDB

RESULTS – KEY BENEFITS



ELMINATED SILOS & DUPLICATION

By providing a common tool for all participants with a framework that enables high re-usability





REDUCED TIME & EFFORT By removing the need to build one-off tools and by providing configurable templates for all Dev & DevOps activities





INCREASED TEAM SATISFACTION By reducing problems, ensuring that the tool mimics the day-to-day activities of the teams, and accelerating releases





OUTCOMES – KEY INFO







