Containerize the App
Team ID: PNT2022TMID28322

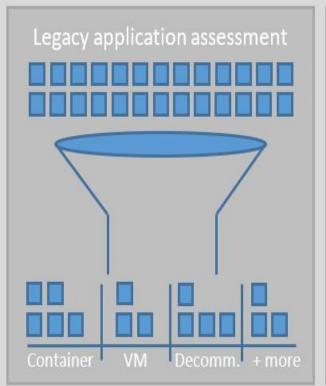• Containerization is a modernisation technique which moves legacy applications to cloud.

• A wide variety of containerisation approaches allow selection of the right technique which balances investments with business benefits.
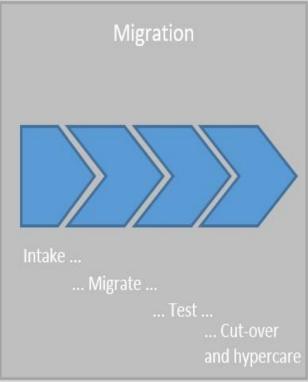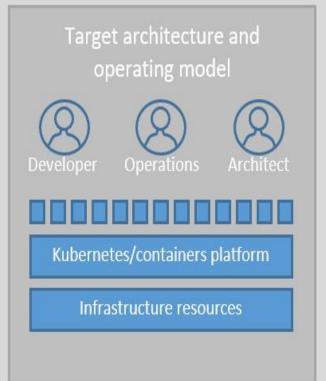
• Application candidate assessment, a factory

approach to migration, a fit-for-purpose target architecture, best practices management, and continuous business case development are a few examples of successful legacy containerisation programs.

Containerization spectrum

Move app to containers as-is

Introduce container orchestration (Kubernetes)

Split off stateless subsystems and run as containers

Refactor app and run parts as macroservices

Refactor app and run parts as miniservices

Refactor app and run parts as microservices

Cloud-native use of containers

More gain · Lower · technical · complexity · investment

cost-effective business applicability

Examples of containerization techniques

Factory approach to containerization

Legacy application assessment

Container | VM | Decomm. | + more

Migration

Intake ...

... Migrate ...

... Test ...

... Cut-over and hypercare

Target architecture and operating model

Developer | Operations | Architect

Kubernetes/containers platform

Infrastructure resources

Design authority: recipes, patterns, and standards

Business case development: cost efficiency and business benefits realization