AWS Application Migration

Definition of Application Migration To AWS

- Application Migration to AWS - Entire application stack and its dependencies are migrated to AWS together

- AWS provides several services like AWS Application Discovery service, Total Cost of Ownership tool , 6R Migration Strategy and Migration Hub which helps to carry out Migration in a secure, timely and economical way.

Application Migration

01 Lack of proper discovery tools and processes

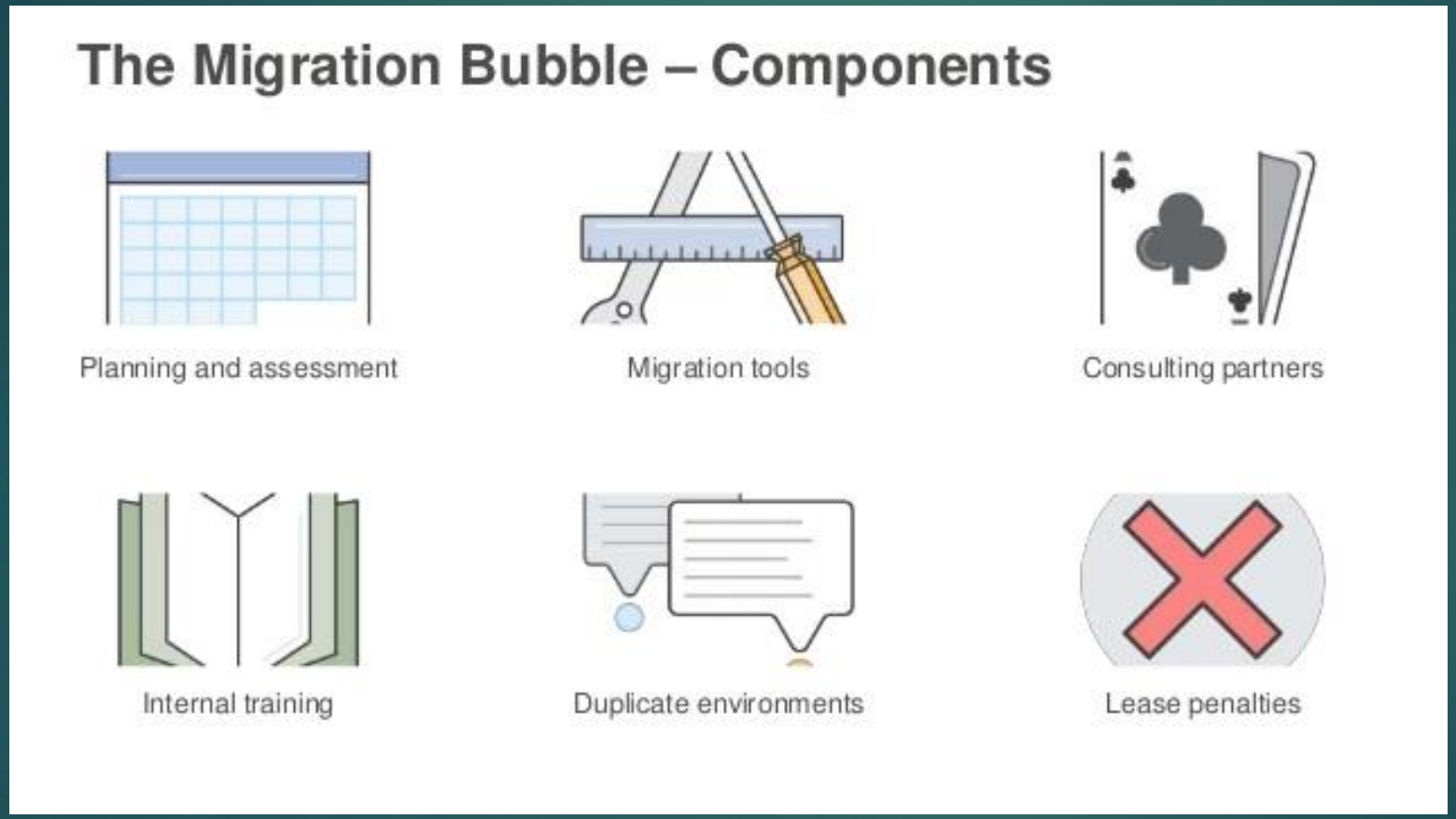
02 System Downtime issues

03 Limited Server & Application Inventory details

04 Bandwidth required for Migration

05 Dependencies & Security issues

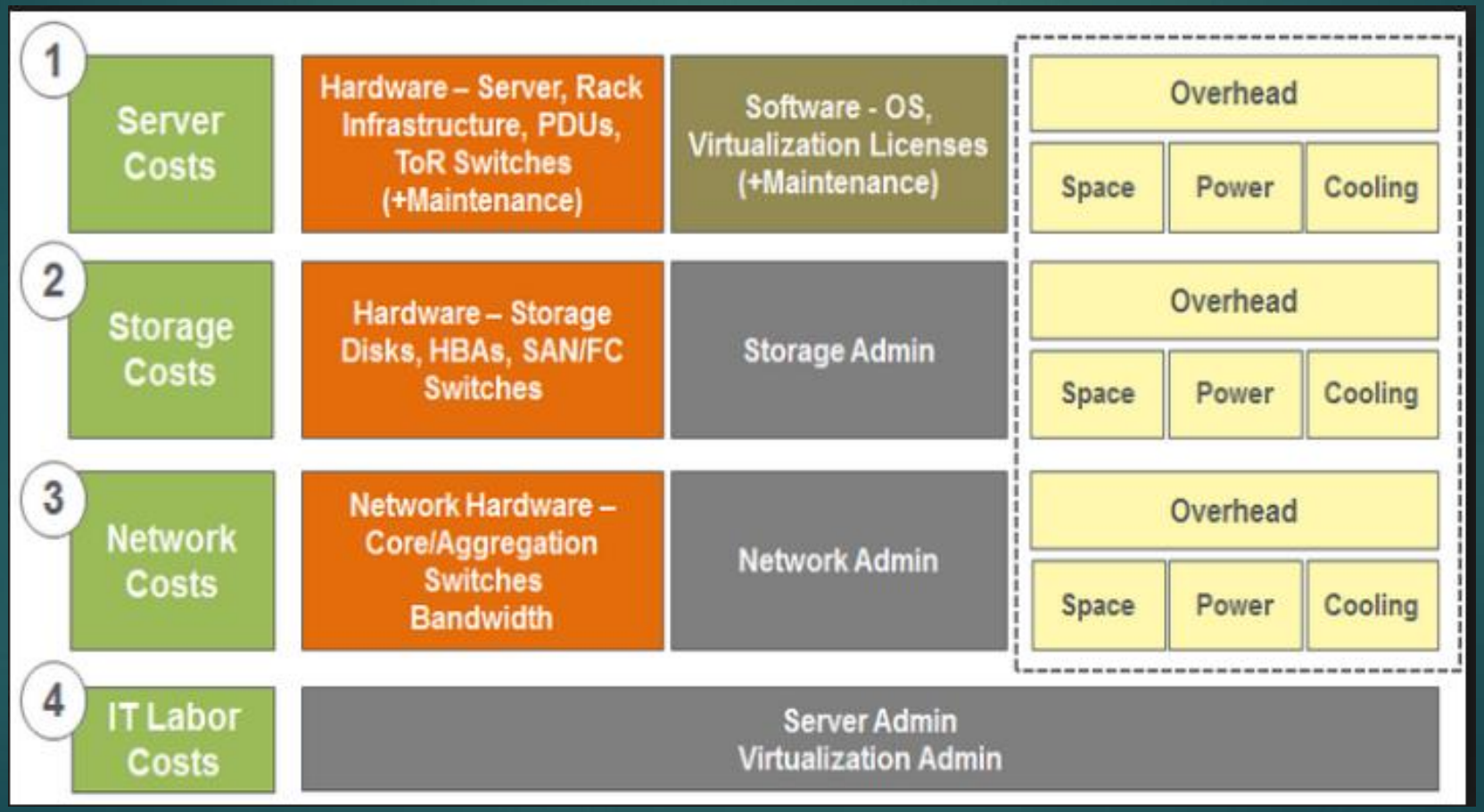
Migration Bubble Components



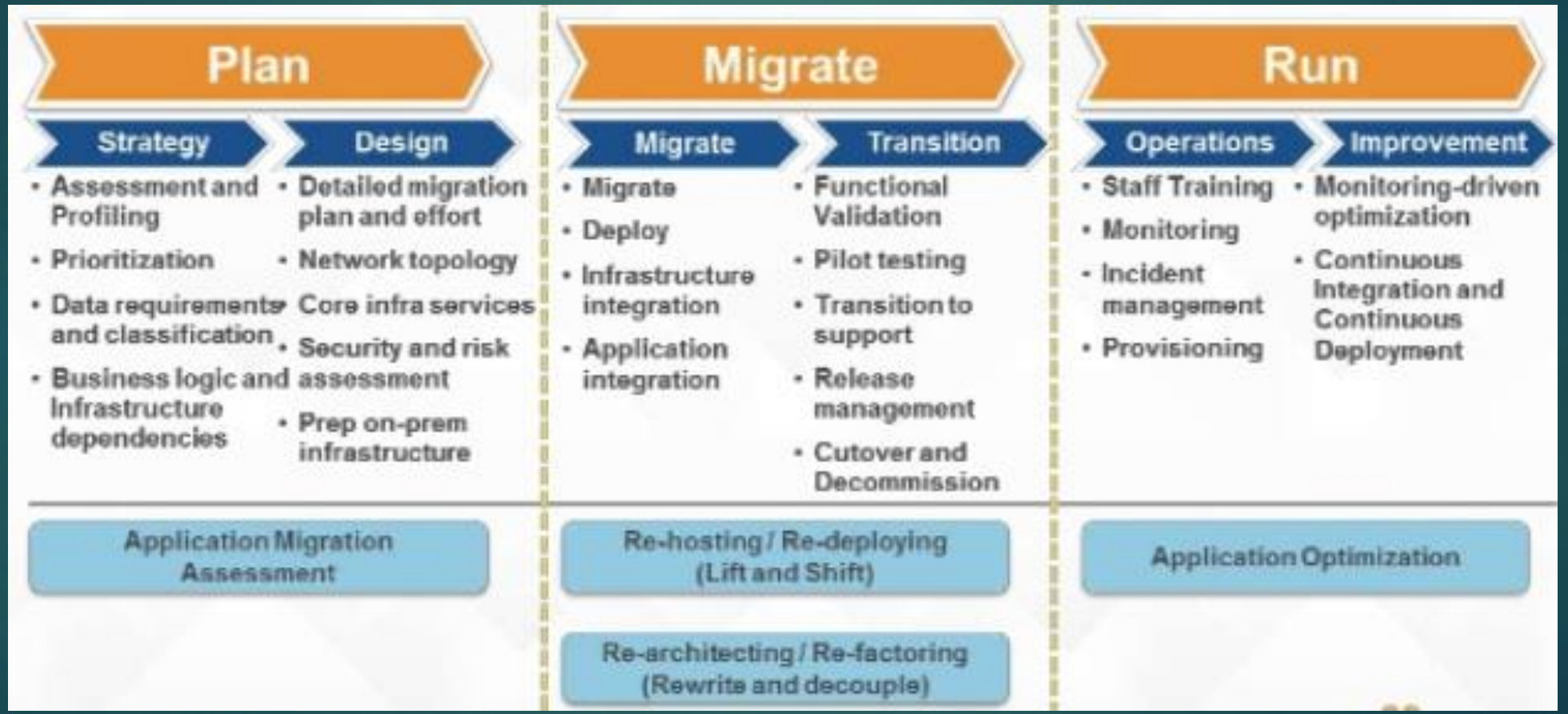
Migration Bubble Components

- When planning to migrate Applications to AWS Cloud , the below considerations must be taken by Organizations for analyzing time and cost .
  - Planning and assessing
  - Duplicating environments
  - Bringing current staff up to speed
  - Hiring necessary talent
  - In-depth consulting
  - Conducting third-party tooling
  - Reviewing lease penalties

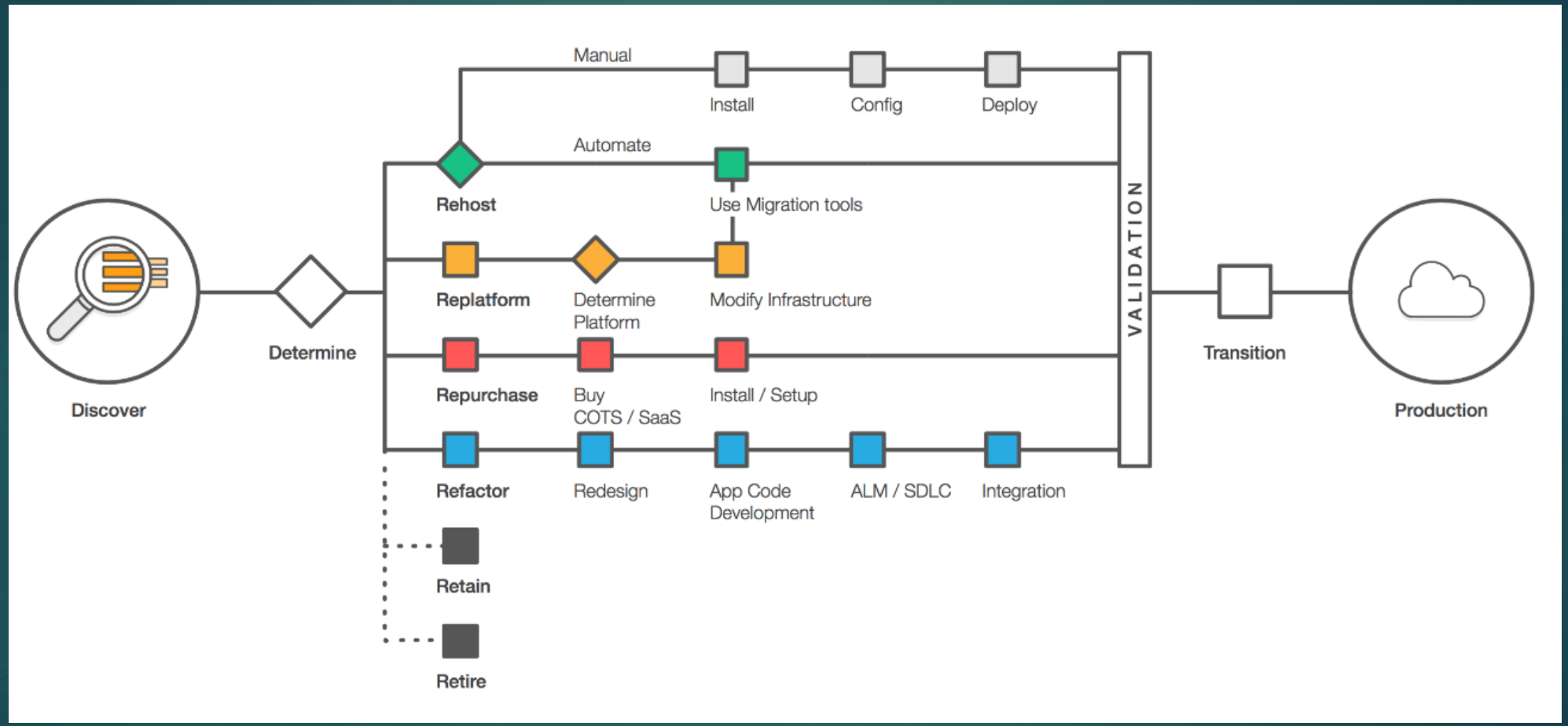
On-Premises Cost Considerations (TCO)



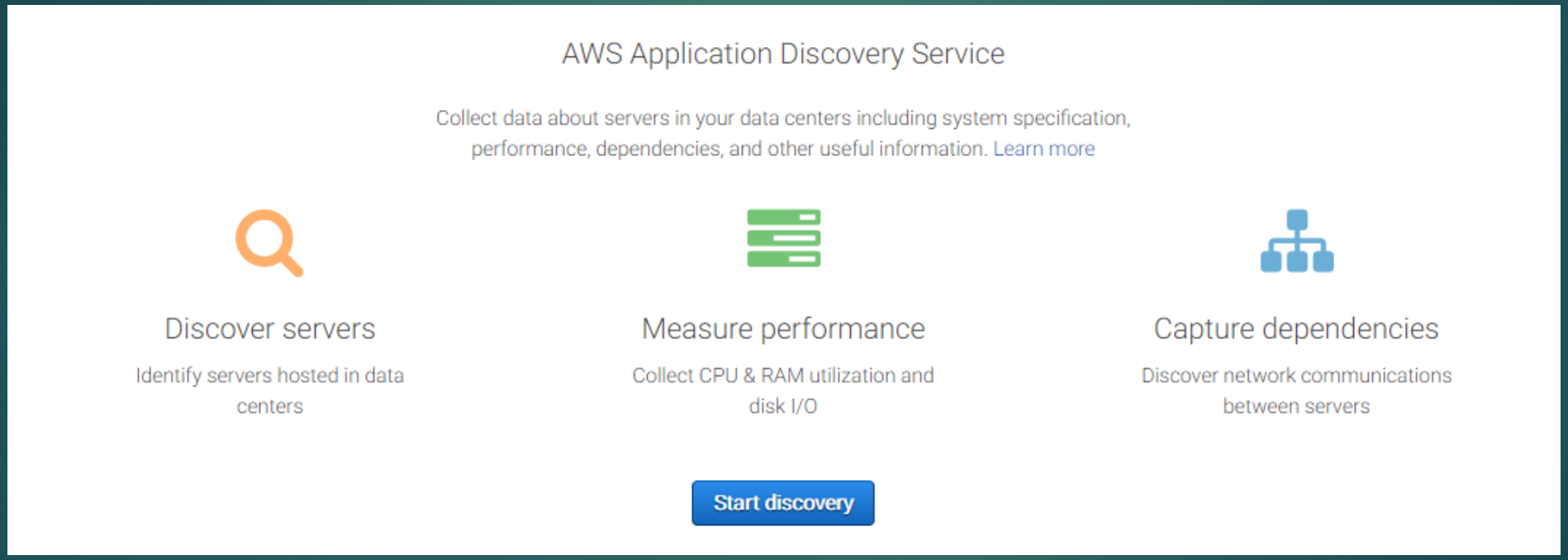
Application Migration Methodology



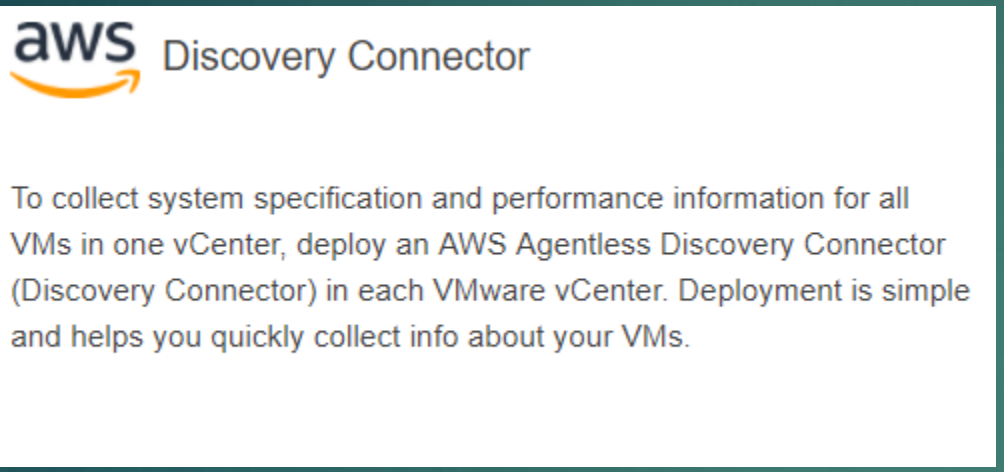
6R Application Migration Strategy



Application Discovery Service



AWS Discovery Tools

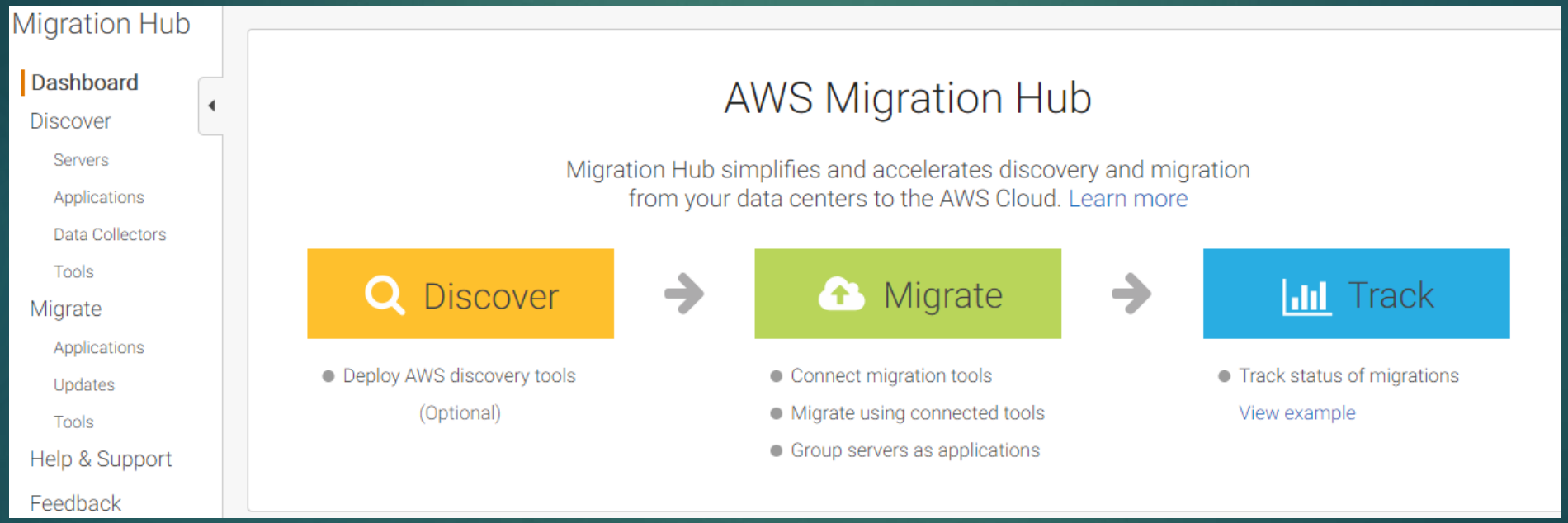


Agent and Agentless Server Discovery

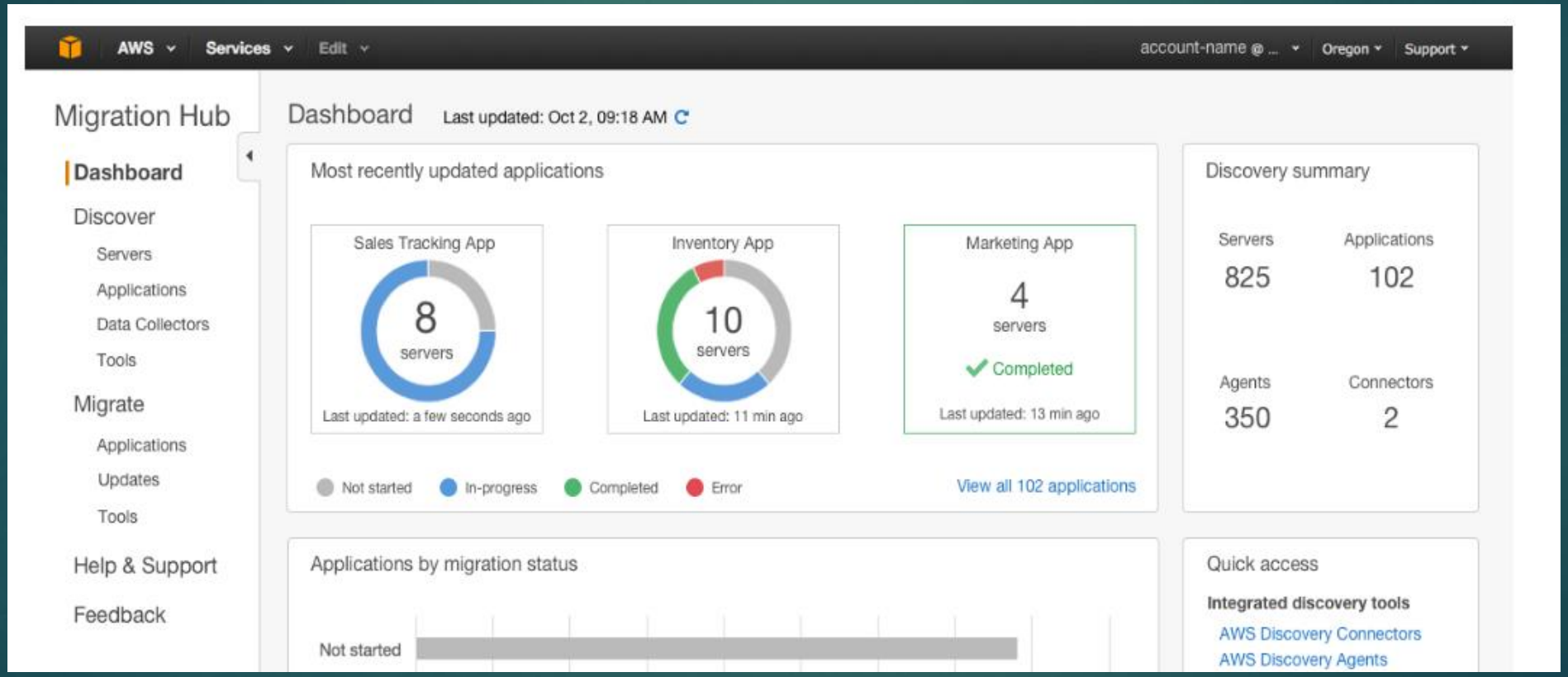
- Agentless Service Discovery
  - No agent needs to be deployed .
  - Virtual Appliances are installed on vCenter Server (On-Premises)environment.
  - Discovers performance information and resource utilization of each Virtual Machine.

- Agent Based Service
  - Agent runs on hosts On-Premises hosts
  - Discovers server consumption data, stores it locally and then uploads to Application Discovery Service.
  - Supports both VMware and Hyper-V platforms

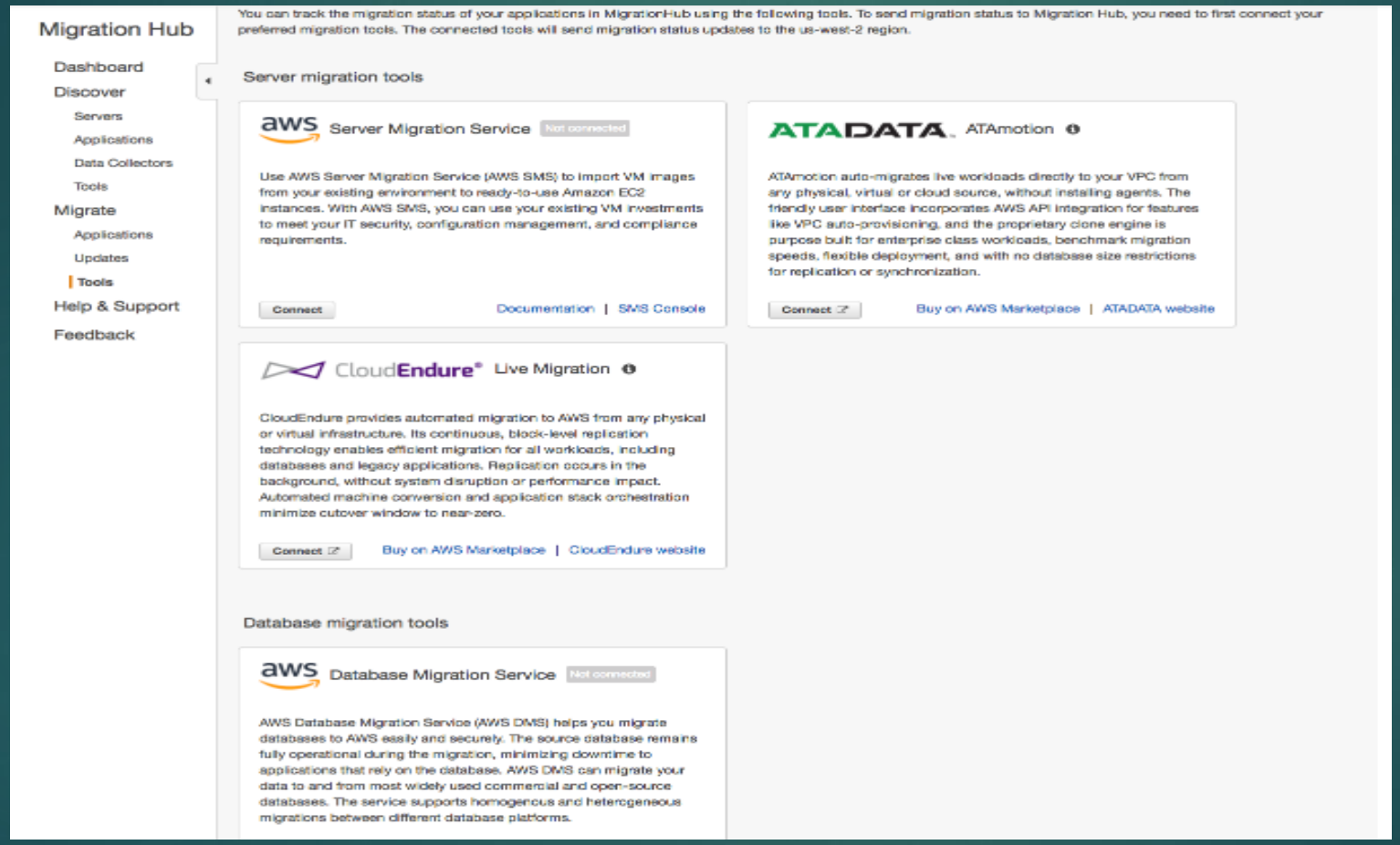
AWS Migration Hub



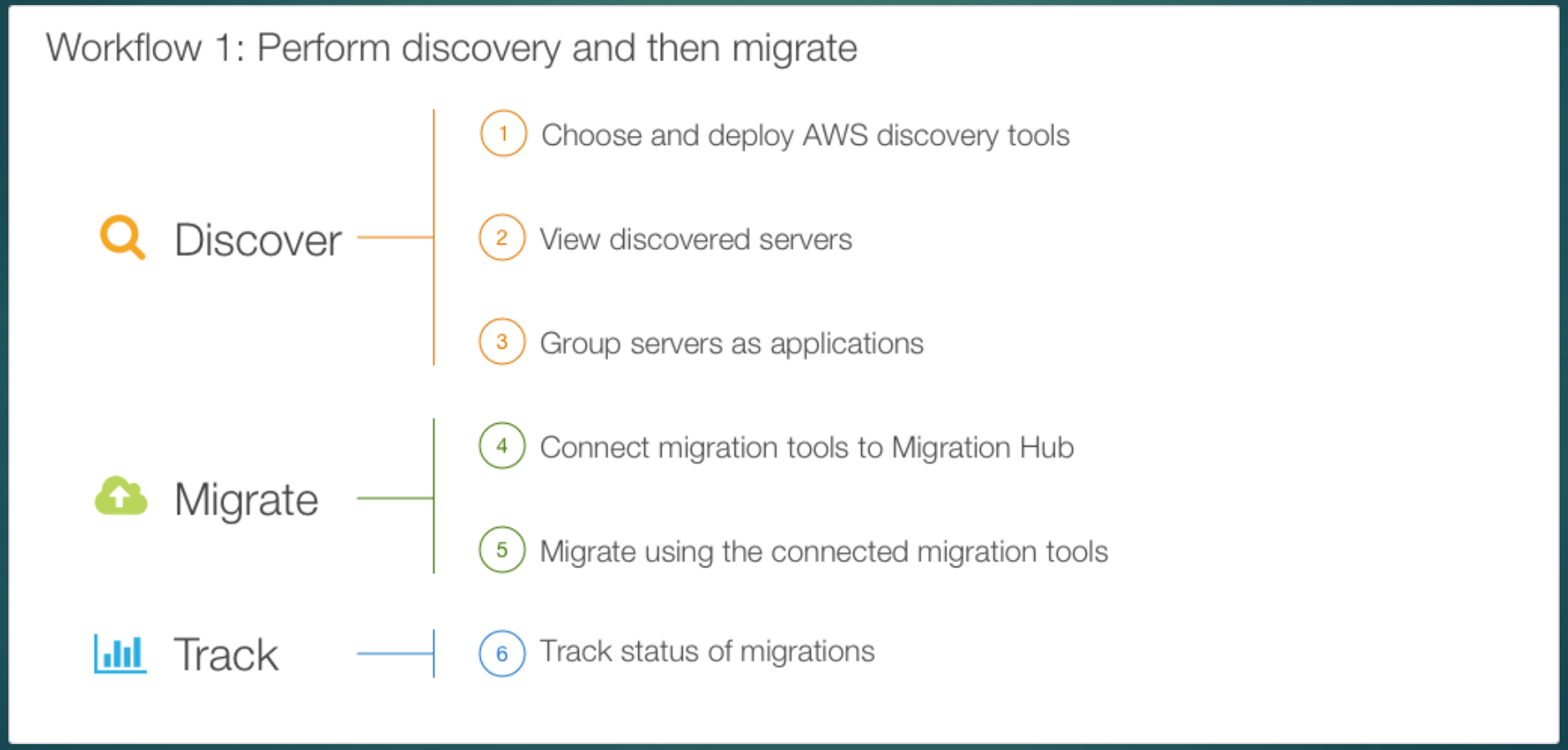
Application Migration Tracking



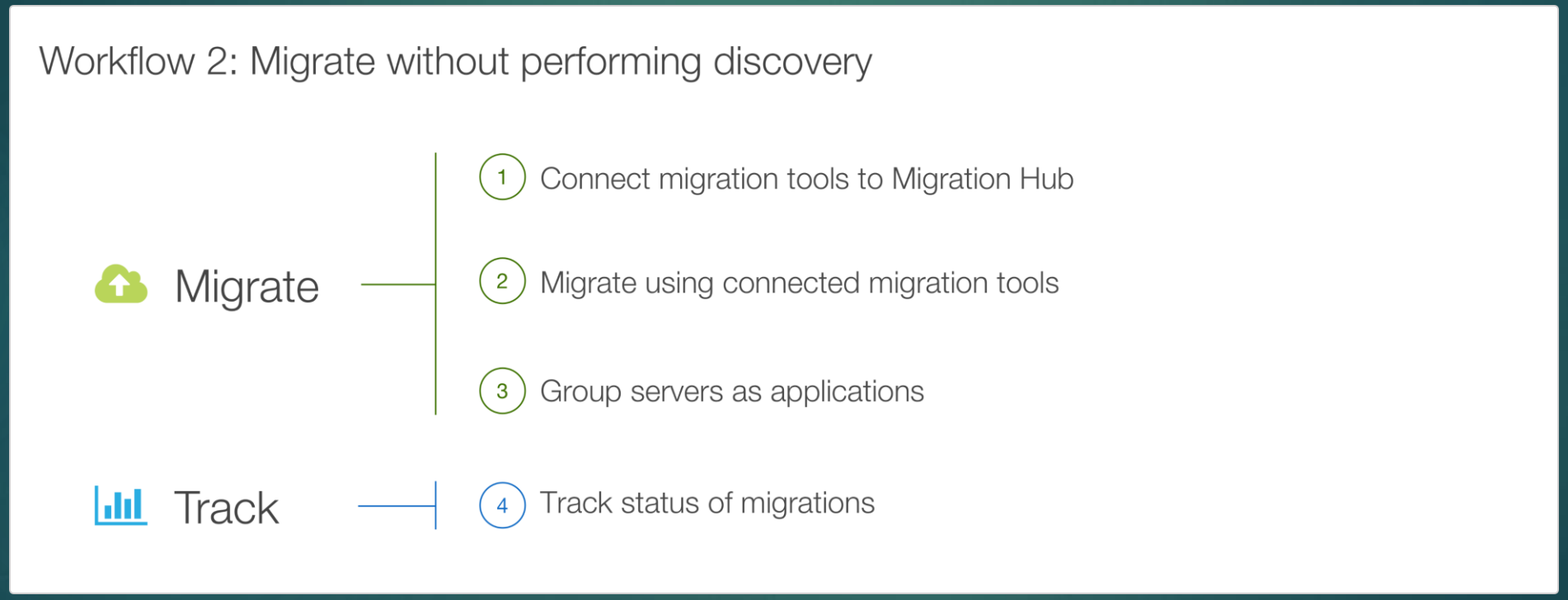
Migrating Tool Integration



Migrating Applications using Discovery tools



Migrate Applications without Discovery



THANK YOU