FINDING YOUR RIGHT MIX
USING HPE RIGHT MIX ADVISOR

Mitchell Feldman
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THE CHALLENGE IS KNOWING THE RIGHT MIX OF HYBRID CLOUD FOR APPLICATIONS

What is the best endpoint / platform?

What migration pattern?

Which applications?
HPE RIGHT MIX ADVISOR HAS TWO ENTRY POINTS - #1 STRATEGIC

It directly addresses trigger points

USE CASES

• I have a cloud mandate
• I need to close a data center; where do I put everything?
• Already using cloud and I need to go all-in
• I want to validate a private cloud strategy
• I don’t know what I have
• I don’t know where to start with a hybrid cloud strategy
• I’m hitting end-of-life technology/platform
Narrative – Hybrid Cloud Strategy

Technology-in
- Technical debt
- Vendor management
- Operational inefficiencies

Economics-in
- Reduce the cost of IT
- Cost of technology refresh
- Deepen consumption-based supply

People-in
- Talent-gap
- Complex - ITops/CloudOps/DevOps
- Governance framework for tribes

Applications-in
- What app/workload view do I have?
- Best fit platform for my apps?
- How do I move to my new model?
HPE RIGHT MIX ADVISOR HAS TWO ENTRY POINTS - #2 APPLICATIONS

Develop the base-case within the service

- Migration
  - Application Migration Plan for Cloud
  - Application Migration for Cloud

- Modernization
  - Application modernization for Cloud
  - SAP Migration Service
  - Business-Ready Azure Stack Service

- Innovation
  - Container Platform Service
  - Software development for Cloud

- Consumption
  - GreenLake Hybrid Cloud
  - Adaptive Management Service
  - Managed Cloud Controls
HPE RIGHT MIX ADVISOR HELPS YOU GET THE ANSWERS
DESIGN THE RIGHT MIX OF CLOUDS FOR YOUR ENTERPRISE

HPE Right Mix Advisor Process

Discover
Auto-discovery

Assess
Core engine

Plan
Roadmap
DISCOVER
A foundation of high quality and up-to-date data

Drill into a **specific application** to understand the business service, technology components and infrastructure dependencies.

Application related data, including dependency mapping, is used to make **decisions** on where/what/how the application should be moved.

Collecting everything known about your application portfolio
ASSESS

Data enrichment provides “suitability scoring” for each application

Profiles
a combination of topics, target destinations and influencing domains

Data enrichment
MDR is enriched with new data throughout the engagement

Application suitability
Targets destinations and migration approaches based on data

A data-driven, empirical, and repeatable process providing application migration strategy
PLAN

Migration approach, migration targets and first movers for Wave 1

- Migration approach:
  - Rehost
  - Re-platform
  - Refactor
  - Retain
  - Replace
  - Retire

- Migration Targets:
  - Public Cloud
  - Private Cloud
  - Co-location
  - Data Center
Customer deliverables

• Master Data Repository (MDR)

• High Level Migration Roadmap

• Wave 1 Targeted Application List
MASTER DATA REPOSITORY (MDR)

All collected customer data, usable for subsequent assessment passes

Populated by Automated Application Discovery

Drives analysis for further insights for current and future migrations
High Level Migration Roadmap

Method for all discovered applications

Quick and efficient

Analysis can be repeatedly run as your environment or assumptions change

How is it done?

Data and Profiles

Profiles
(Domain specific profiles)

Assessments
Data filtered against profiles
Performed on Logical Groups
Can combine in a wide variety of ways

Evaluation groups

Logical Groups
(Group of objects such as servers, workloads, etc)

Core Customer Deliverable

Suitability
Compliance
Feasibility

0%
100%
100%
0%

High
Medium
Low

High Level Roadmap
WAVE 1 TARGETED APPLICATION LIST

First mover applications are selected based on business and technology impact of application migration.

Core Customer Deliverable

- **Guidance** on destination suitability across platforms (public cloud, private cloud, or on-premises)
- **Identification** of migration approaches for target applications
  - Rehost, Replatform, Refactor, Replace, Retain, and Retire (the six Rs)
- **Recommendations** for first-mover applications

Wave 1 Migration Targets, Approaches, and First Movers

First mover applications are selected based on business and technology impact of application migration.
REFERENCE MAP COMPARISONS
Domain comparisons for each profile (here HPE GreenLake vs AWS)

Here you can see similar confidence for both profiles from the perspective of the business-centered domain, specifically the business criticality topic.

However, fewer questions were answered, so the actual score is less. While confidence is the same, more questions answered favors HPE GreenLake.
USE CASE EXAMPLE: WINDOWS 2008/SQL END-OF-LIFE

Evaluation option for each application and workloads:

6 R’s

- Rehost
- Replatform
- Refactor
- Replace
- Retain
- Retire

Window Server 2016
- Microsoft
- Containerization
- MS 365

Window Server 2016 (Azure Stack)
- Azure

Microsoft Azure
- docker

MS 365
- Windows Server 2016
- Azure Stack
- Azure
- docker
- Microsoft 365
## Customer outcome examples

<table>
<thead>
<tr>
<th>Migration plan in weeks vs months&lt;sup&gt;1&lt;/sup&gt;</th>
<th>Asian telco migrated 10,000 servers to the cloud</th>
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<tbody>
<tr>
<td>40% improvement TCO of IT&lt;sup&gt;2&lt;/sup&gt;</td>
<td>- Migrated 50% of internal IT operations to the new cloud</td>
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<tr>
<td>Reduction in the number of data centers from 8 to 3&lt;sup&gt;1&lt;/sup&gt;</td>
<td>- Cut capital expenditures by 75% over the first two quarters</td>
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<tr>
<td>Move to consumption model for all IT</td>
<td>- Dropped ratio of systems administrators to servers by 50% in the first six months</td>
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<th>Global brokerage migrated over 400 servers to AWS in less than a year</th>
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<td>- Fully automated and compliant Minimum Viable Cloud (MVC) developed under an auditable source control framework.</td>
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<tr>
<td>- Transformation of client’s team to a DevOps mindset</td>
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<sup>1</sup> Typical results observed through HPE’s base of hybrid cloud engagements using HPE Right Mix Advisor and component tooling

<sup>2</sup> From a Cloud Technology Partners analysis of the typical benefits across hundreds of cloud migrations
Thank you