DATA-DRIVEN CLOUD MIGRATION

Actionable insights on your application portfolio drive faster cloud migration



Approach
People
Platform

AGENDA



- Where Cloud Fits
- Problem Solved
- Case Study
- Unique Approach
- Demo of Platform
- Migration Factory Support
- Where from Here

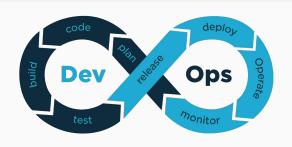
Digital Transformation in a Nutshell

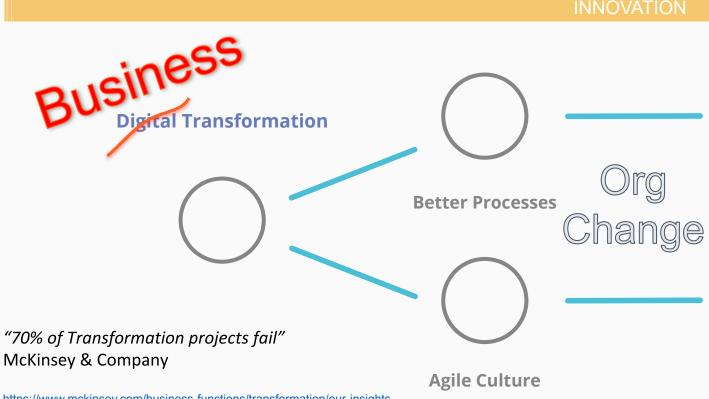


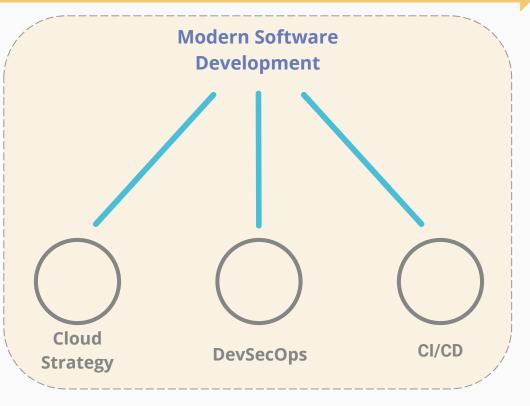












 $\frac{https://www.mckinsey.com/business-functions/transformation/our-insights}{/why-do-most-transformations-fail-a-conversation-with-harry-robinson\#}$

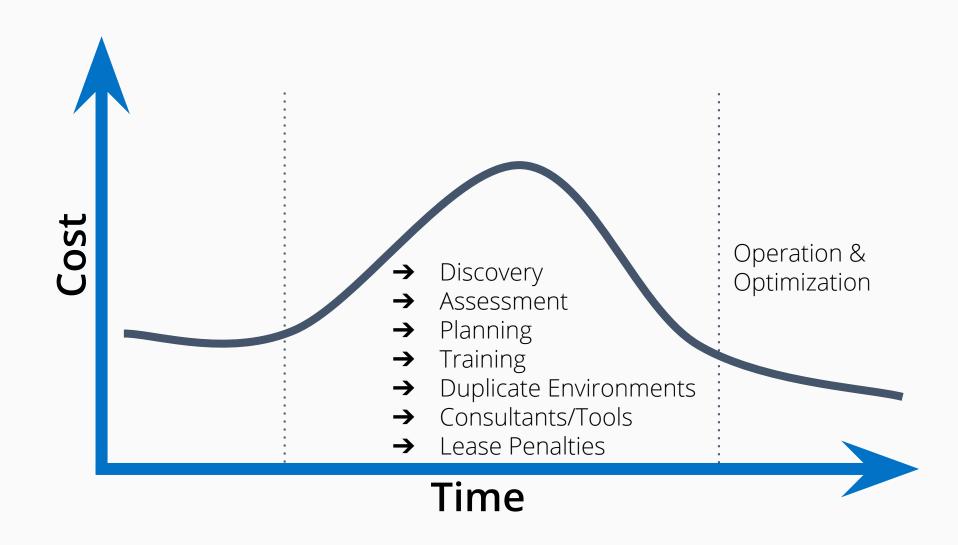
Hard to Hear - Migration Findings



- $\cdot~96\%$ are migrating applications to the cloud with 4% already completed their migration
- \cdot 62% of initial migration projects are more difficult than expected or fail
- 73% expect the application migration project to take a year or longer
- $\cdot~64\%$ of application projects took longer to complete than planned
- 55% exceed the application migration project budget
- 47% believe their organizations are not moving to the cloud on schedule

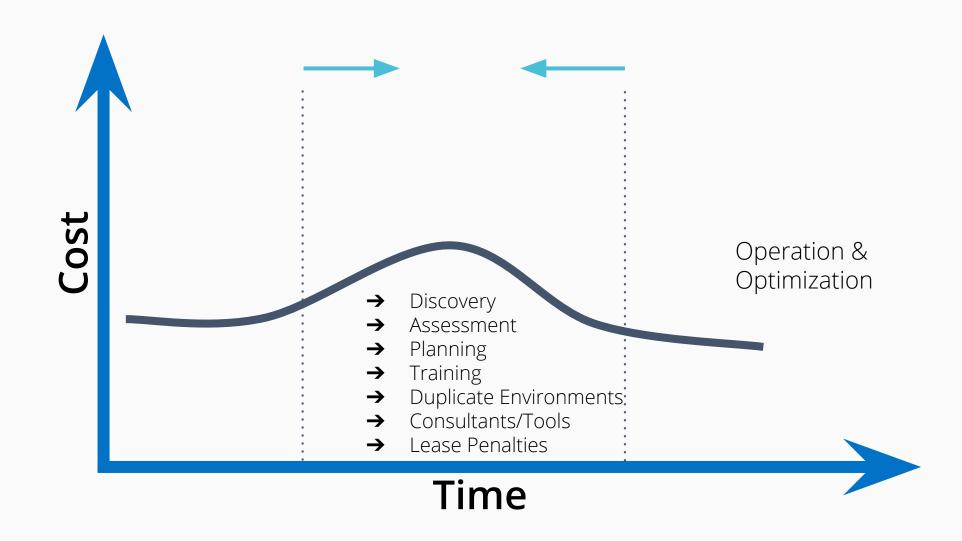
Cloud Migration Bubble





Cloud Migration Bubble





Traditionally...















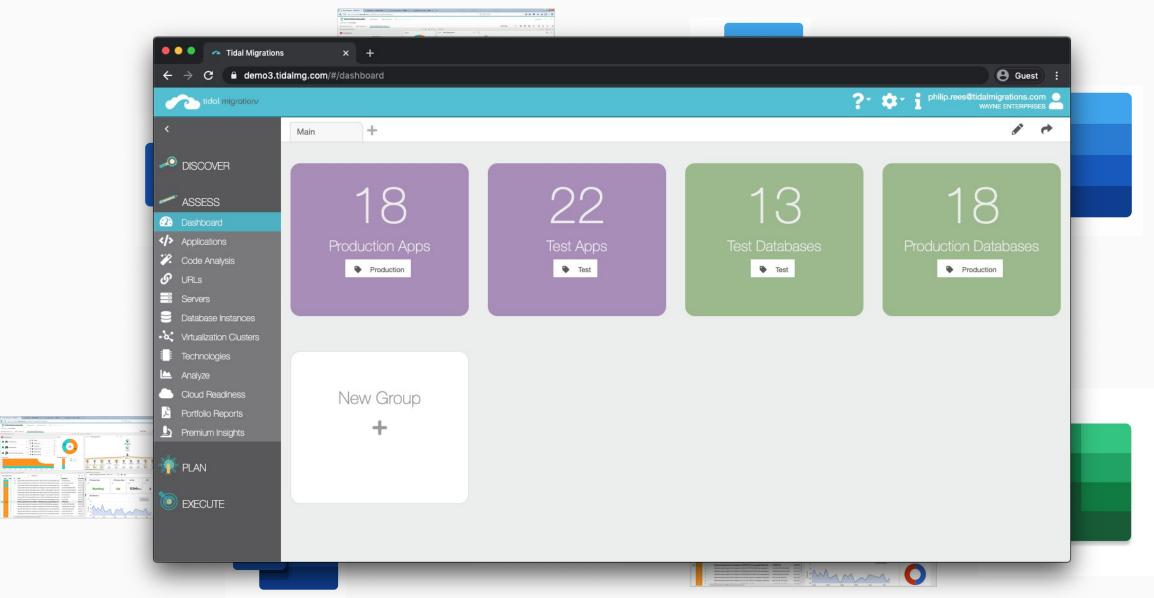






Tidal-ly...





A CASE STUDY



Highlights Budgeted 2 years for Lift and Shift Transformative in just 15 months

Results

30 Apps Analyzed

Vertical:
Compelling Event:
Previous technology stack:
Previous spend on hosting:
Hardware refresh project:

Public Sector - State/Provincial Government Hardware Refresh Avoidance AIX, Solaris, Windows, Mainframe \$2,070,000 per year \$15 mil avoided

•	Refactored	20
•	Replatformed	5
•	Rehosted	1
•	Repurchased	2
	· Retired	2

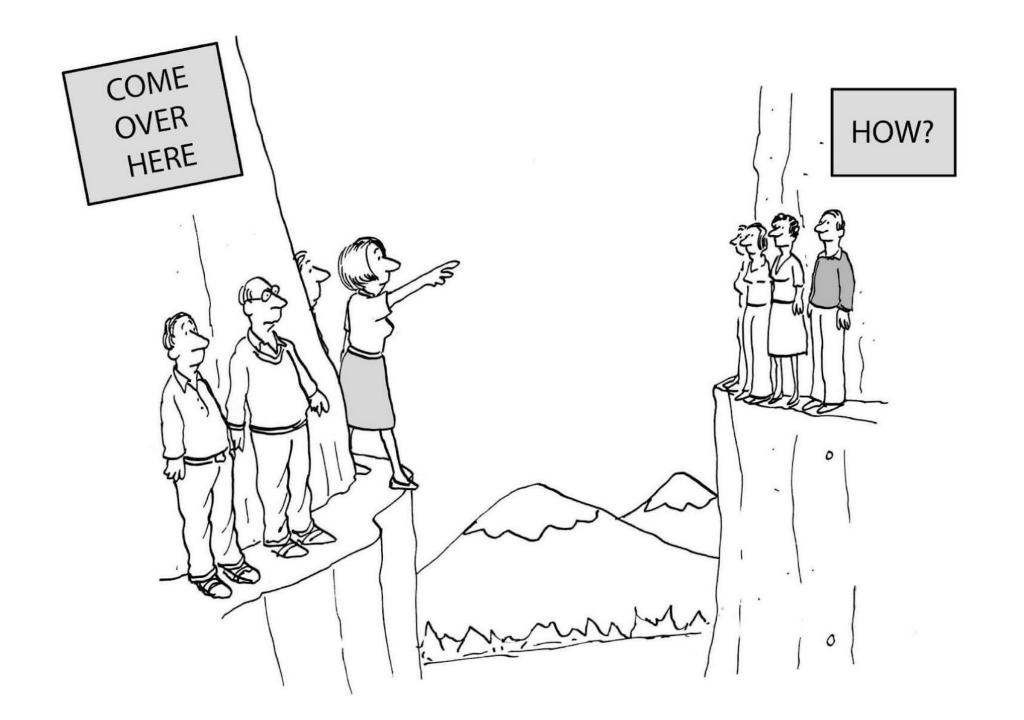
Modernization process:

Rationalize applications, and migrate J2EE to serverless

OpEx to: **\$80,000 p.a.**

Remove over 100 Critical + High CVEs

Refactor core applications that have high-levels of technical debt first, to enable faster transformation



Tidal Application-centric Best Practices



DISCOVER



- 2 Identify Discovery Sources
- 3 Organizational Skills Assessment
- 4 Application Inventory

PLAN

ASSESS

8 Transition Wave Planning

- 7 Transition Requirements
- 6 Deep Dive
 Source Code +
 DB Assessment
- 5 Preliminary Application Assessment

EXECUTE

- Retire,
 Repurchase,
 Rehost
- Refactor, Replatform Retain
- Policy
 Automation +
 Enforcement
- 17 Stabilization

IT-centric vs Business-first Approach



Infrastructure-centric

DISCOVER 6+ months

ASSESS 40 hrs per app*

PLAN

Application-centric**

DISCOVER ASSESS

PLAN

EXECUTE



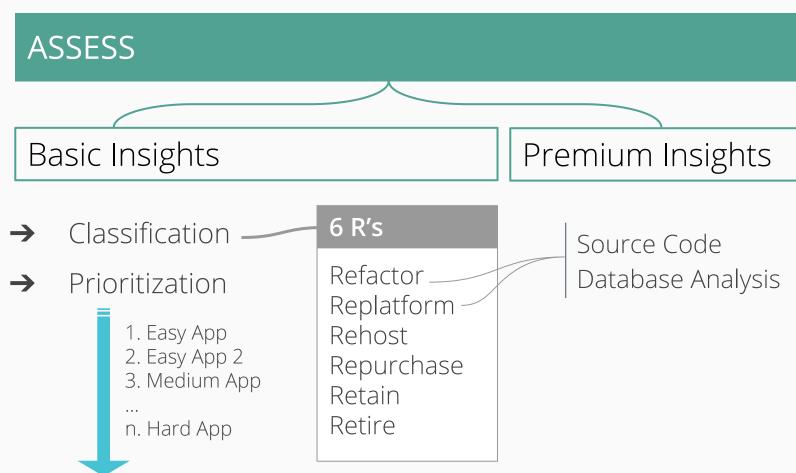
Migrate faster, with better results

Application Portfolio Assessment



DISCOVER

- → Project Goals
- → Application Inventory
- → Dependency Mapping
- → Skills Assessment
- → Business Value



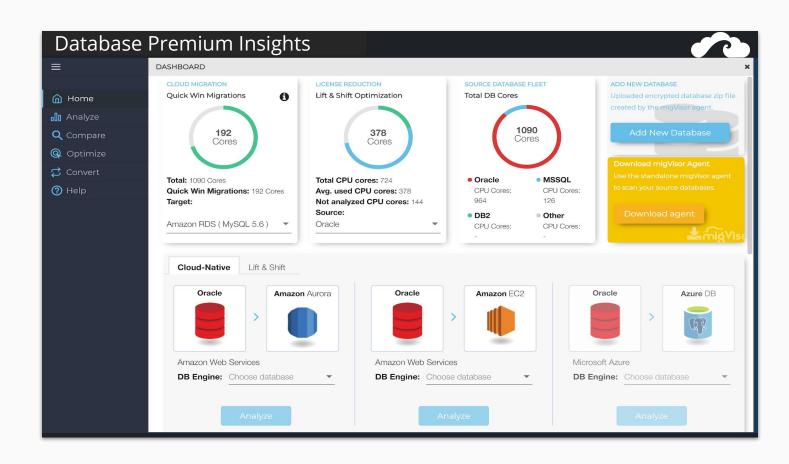
CONTINUOUS RATIONALIZATION

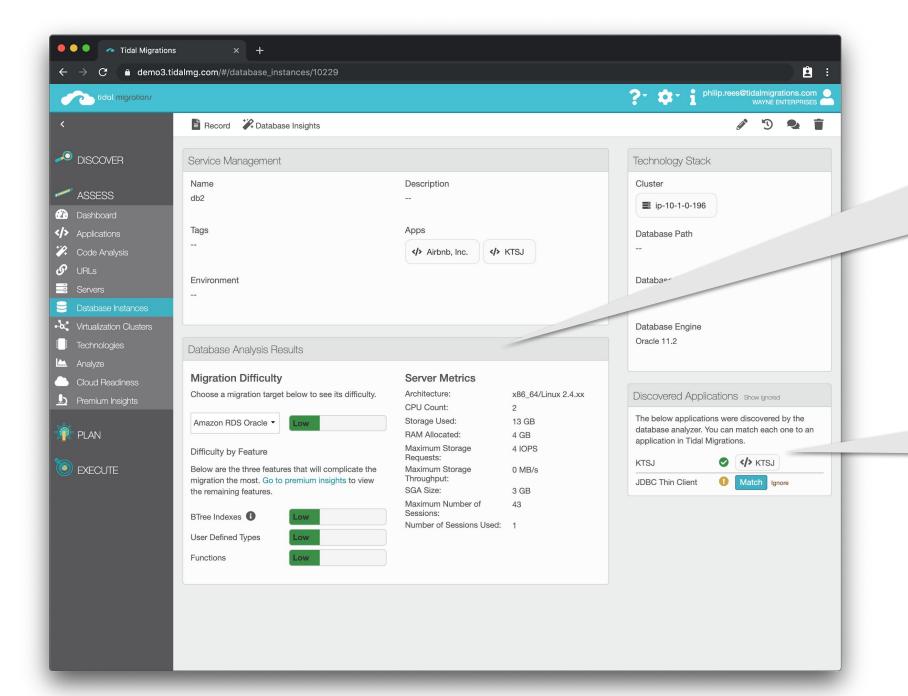
Database Premium Insights



Deep analysis & insights

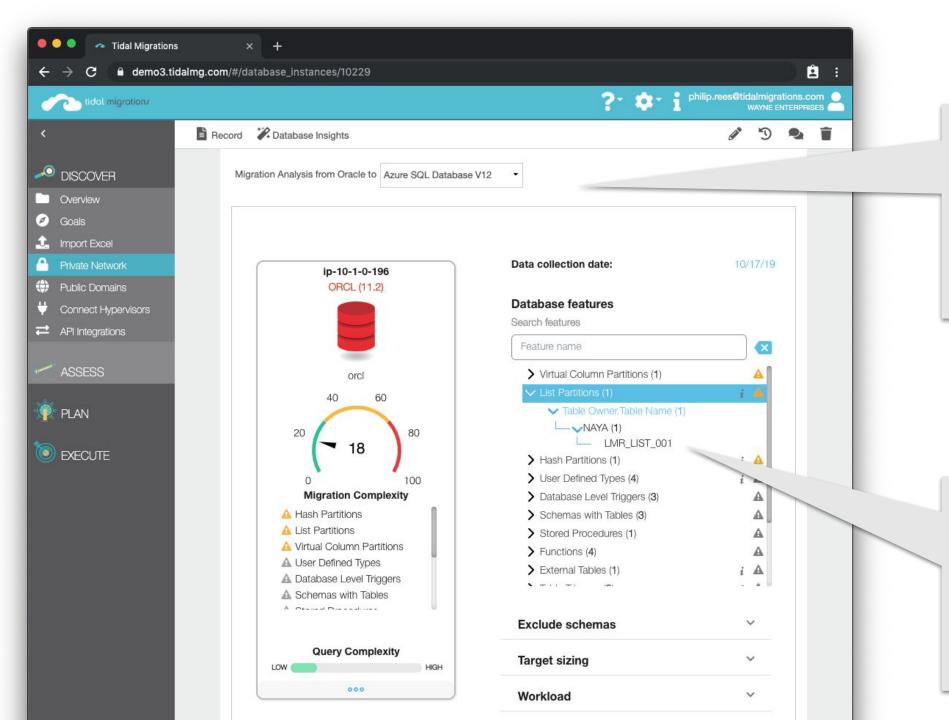
- Configuration compatibility
- Application dependencies
- Licensing savings
- PL/SQL conversion
- Cloud-native migrations
- What-if scenarios





Rapidly identify the volumetrics required across your database portfolio, and measure the relative complexity to migrate from Oracle or SQL Server to cloud-native databases.

Discover applications that connect to your databases and map the dependencies with one-click



Perform detailed what-if analysis for migrations from Oracle and SQL Server to cloud-native database options

Shown here: Azure SQL

Easily drill down into individual columns, functions and features that your team should focus on when migrating from Oracle to cloud-native databases.

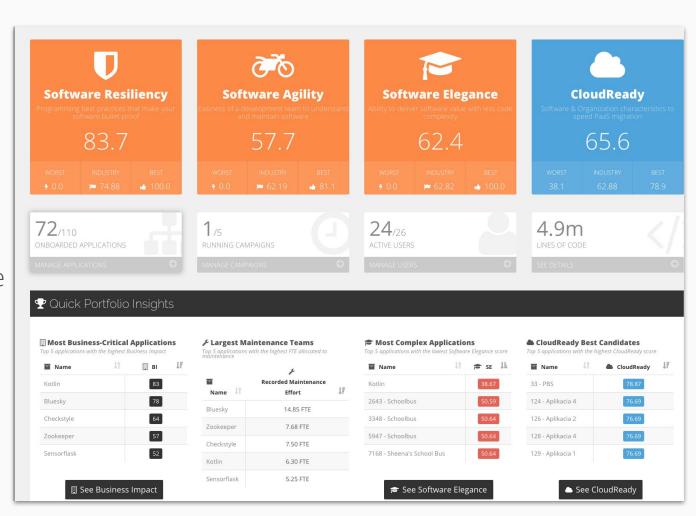
Source Code Premium Insights

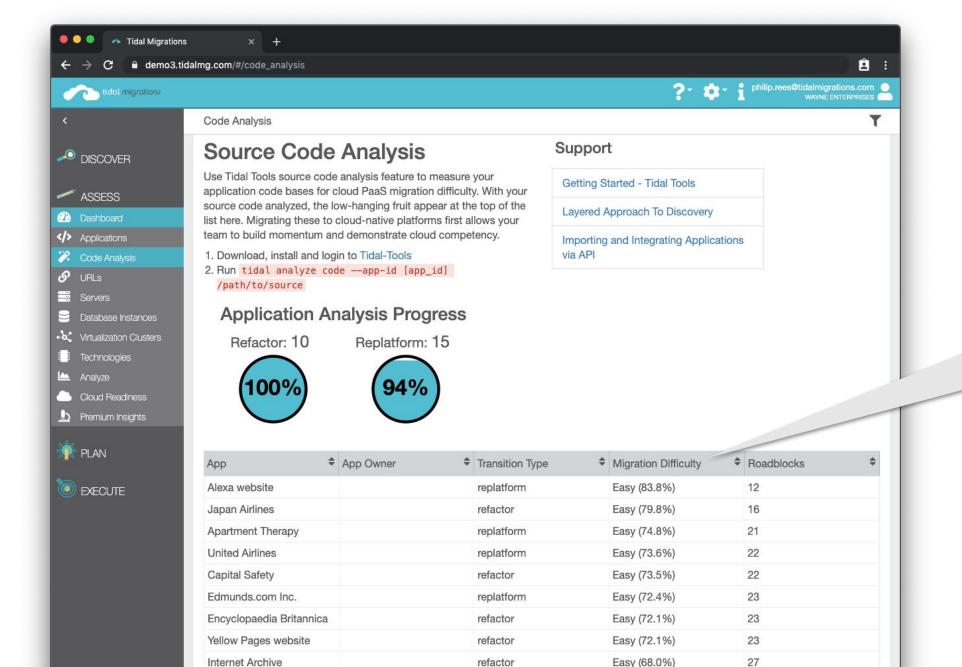


Software Intelligence

- Roadblock identification
- Framework detection
- Vulnerability insights (CVEs)
- Measure migration difficulty with 200+ code patterns
- Cloud-native migrations

Focuses your efforts on what matters





refactor

replatform

Easy (68.0%)

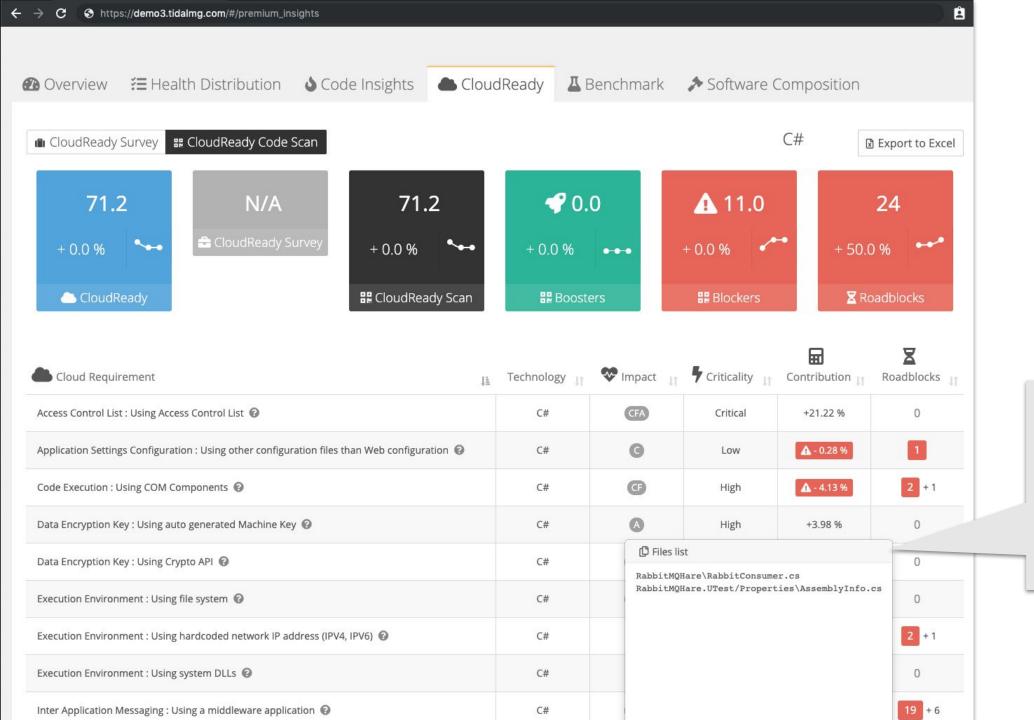
Medium (65.6%)

28 30

Tom's Guide

Truebill

Rank your applications by migration difficulty to cloud-native architectures.



Identify issues before you migrate.

Down to the source code files that your team should focus on.

Tidal Migrations platform | tools



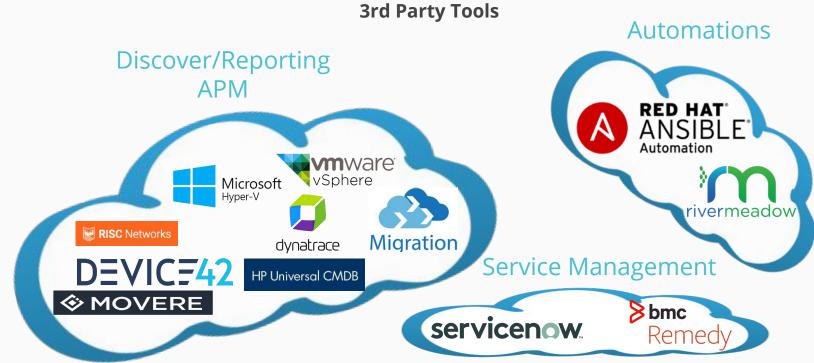


UNDERLYING TOOLS

Tidal Tools

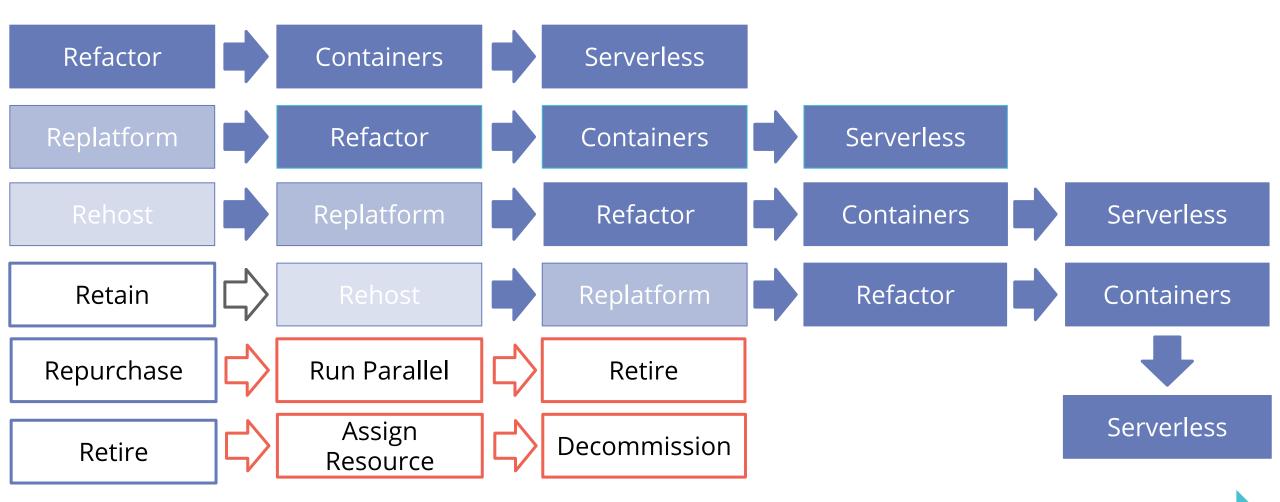








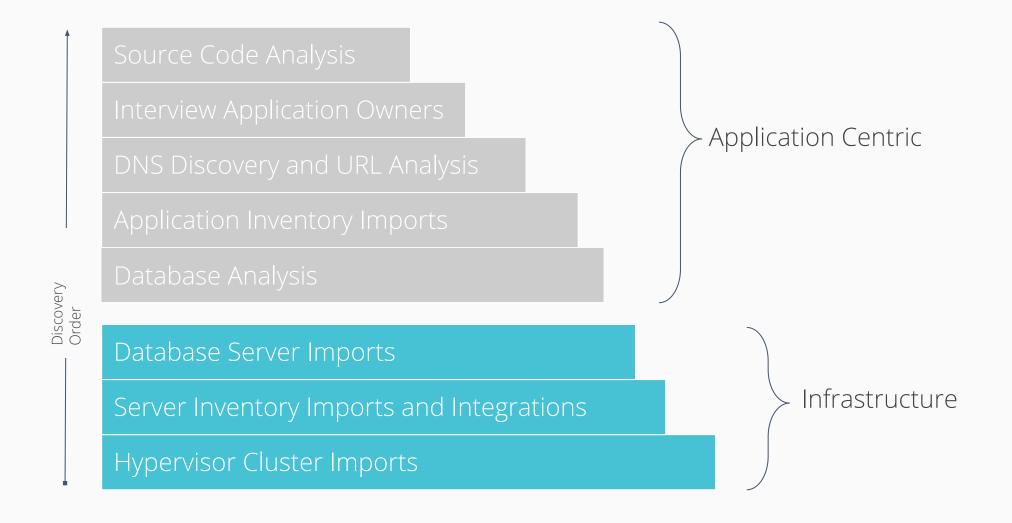
6 R's Transformation Management



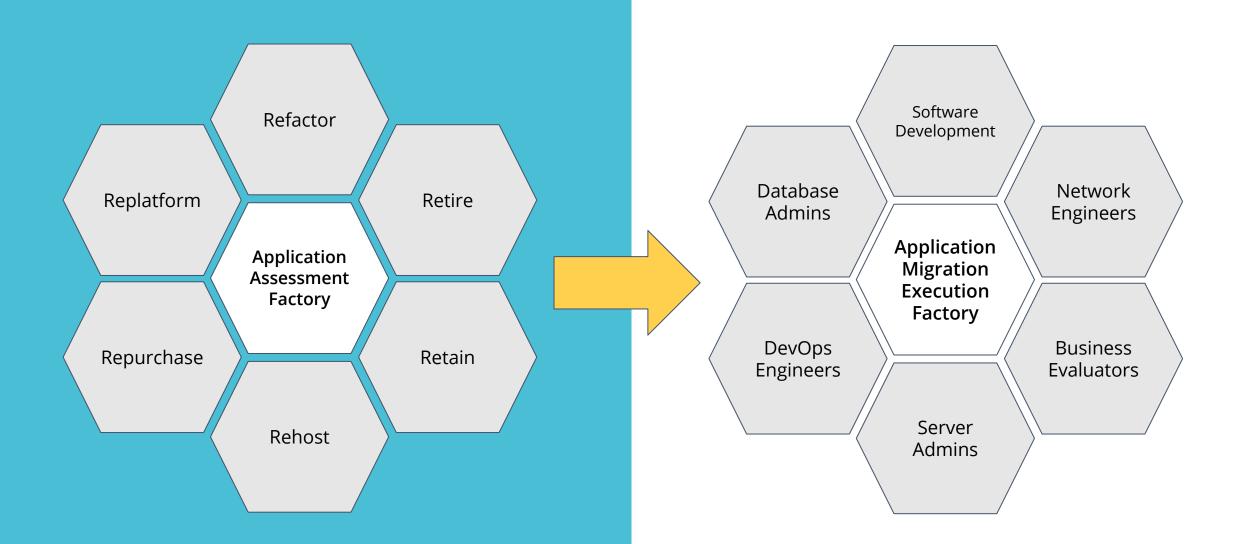
DISCOVER

Layered Approach to Discovery | Demo





Two Factories



WHERE FROM HERE?

PROOF OF VALUE PROJECT

- → Workshop with knowledge transfer to baseline the team
- Try the approach and the process on a limited number of applications in the portfolio
- Make recommendations as to categorization and prioritization utilizing the data
- → Application Assessment report

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