

ORACLE

Creating a Minimal Viable Product with Oracle

Getting on the Journey with Oracle AI/ML Based Platform

Fast Learning and Building

Fast Fail MVP

Learn and Validate

Parallel Learning and Sharing

Hard Work with Elements of Fun, Creativity

franco.ucci@oracle.com

Learning & Validation: Fast Fail MVP (weeks)

Parallel Initiatives (2h-2d)

+
**New
App
Idea**

Experience

**Access &
Execution**

**Data /
Services**

**Outcome
Value**

**Tech
Capability**

Learning & Validation: Fast Fail MVP (weeks)

Parallel Initiatives (2h-2d)

New App for Customer Service

From Hardwired App Integration to Data Driven API Led On-Prem to SAAS Integration

Mobile App with Back End App APIs, Blockchain, AI Based Workflow

+
New App Idea

Experience

Access & Execution

Data / Services

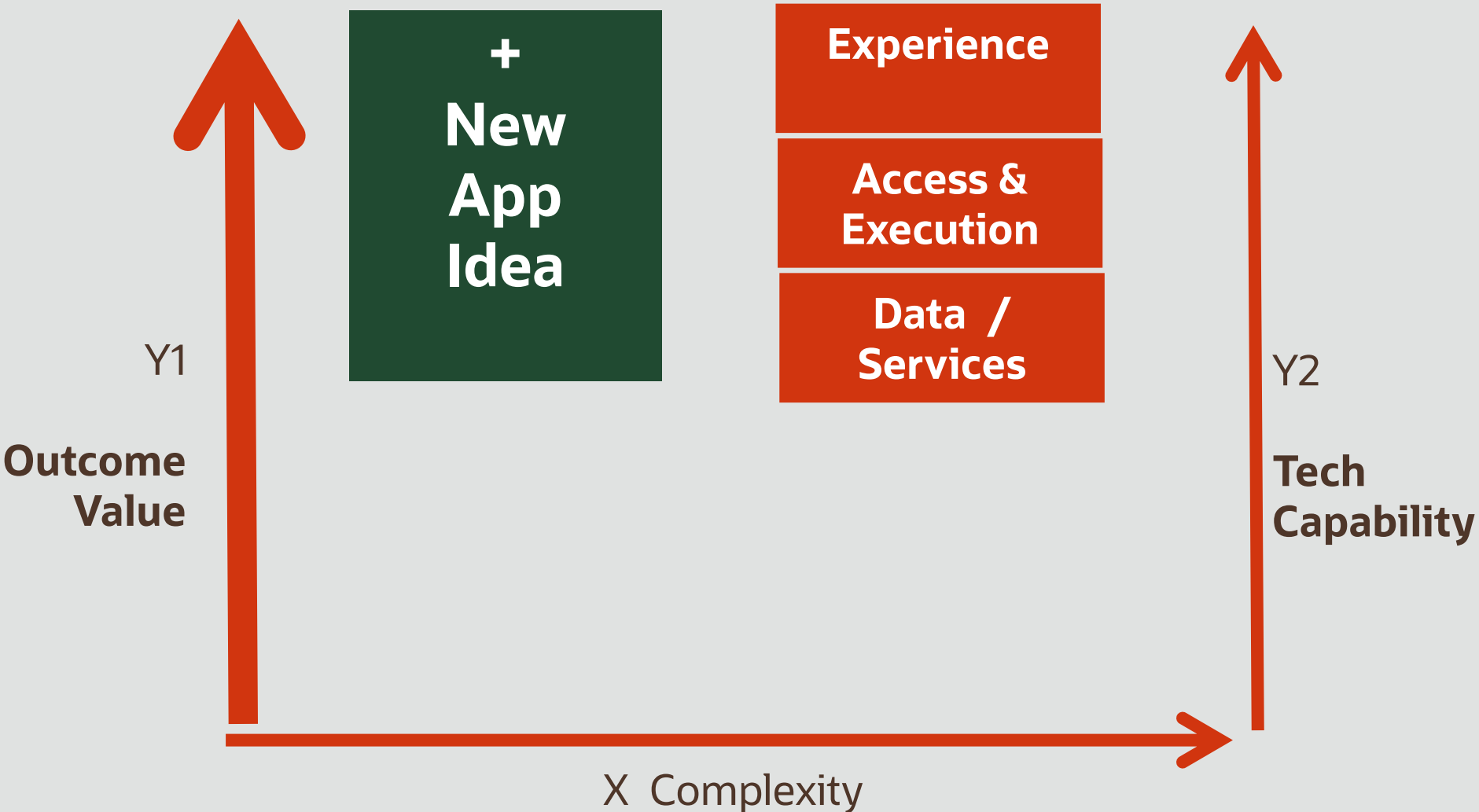
polyglot
SAAS
chatbots
AI
models
git
blockchain
microservices
containers
abstraction
frameworks
CI/CD
AI/ML Robots
automation
image processing
journey mapping
json
orchestration
auto testing
metadata
ML
low code

Outcome Value

Tech Capability

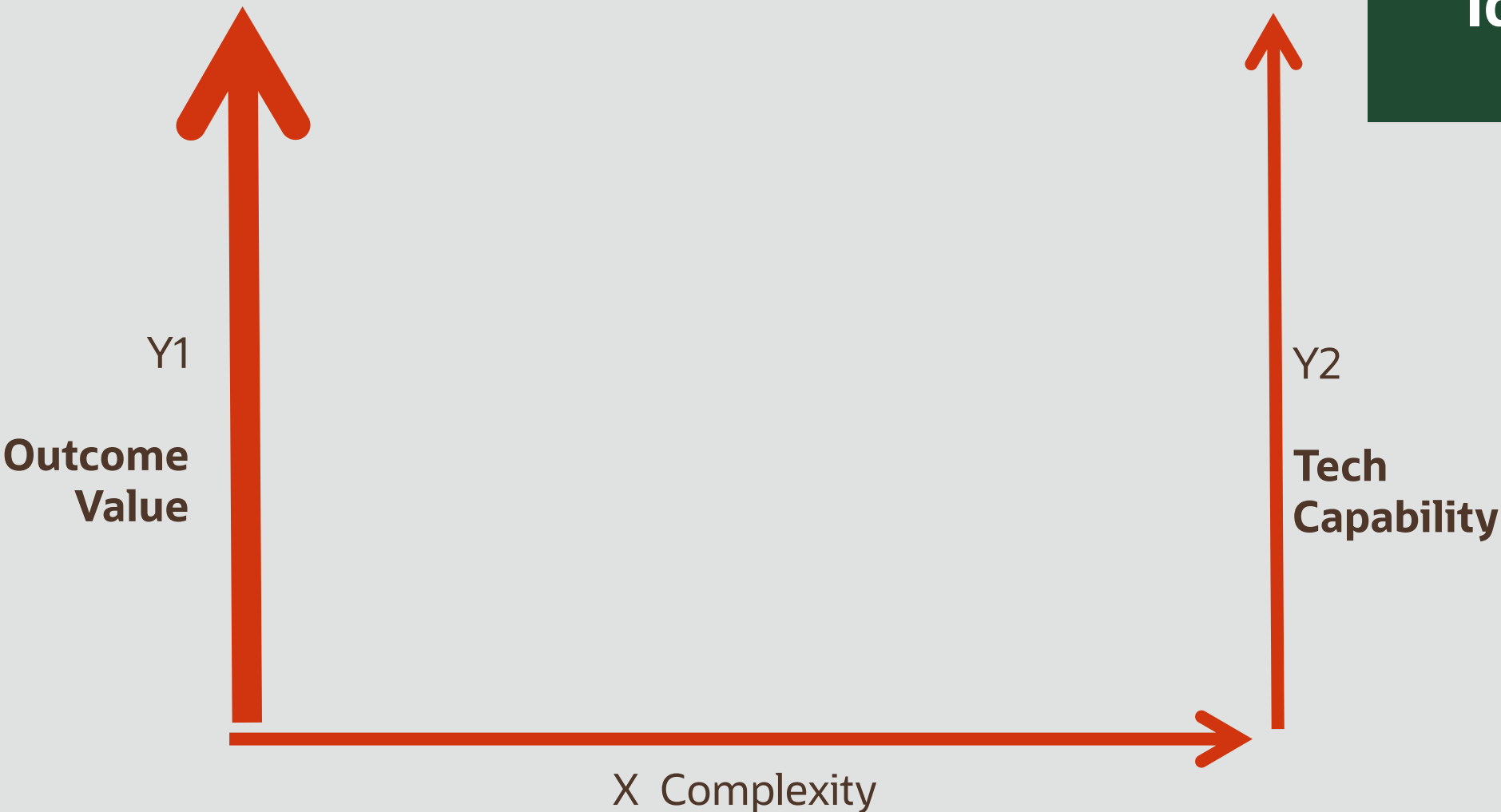
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+
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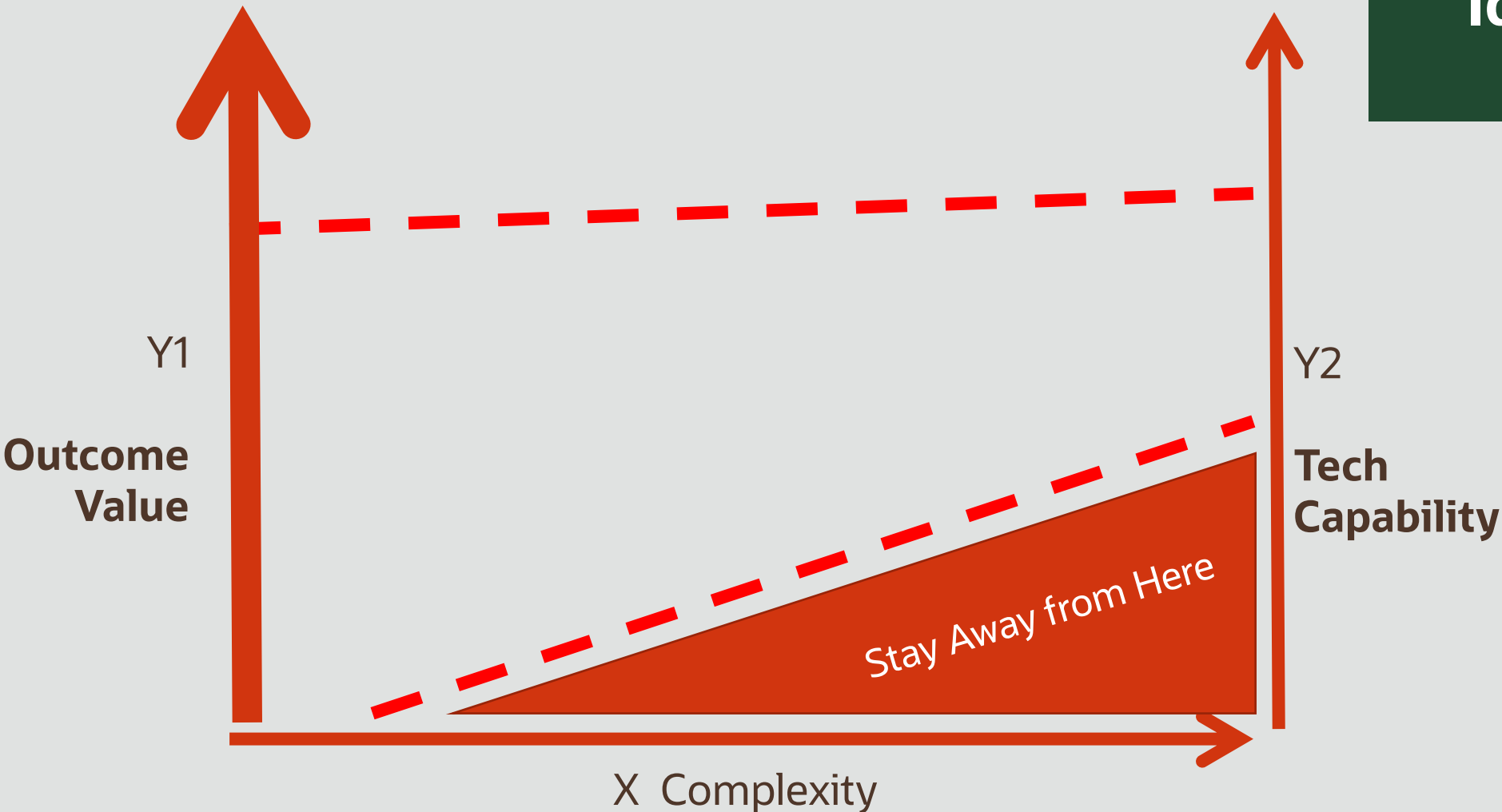
- Experience
- Access & Execution
- Data / Services

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Parallel Initiatives (2h-2d)

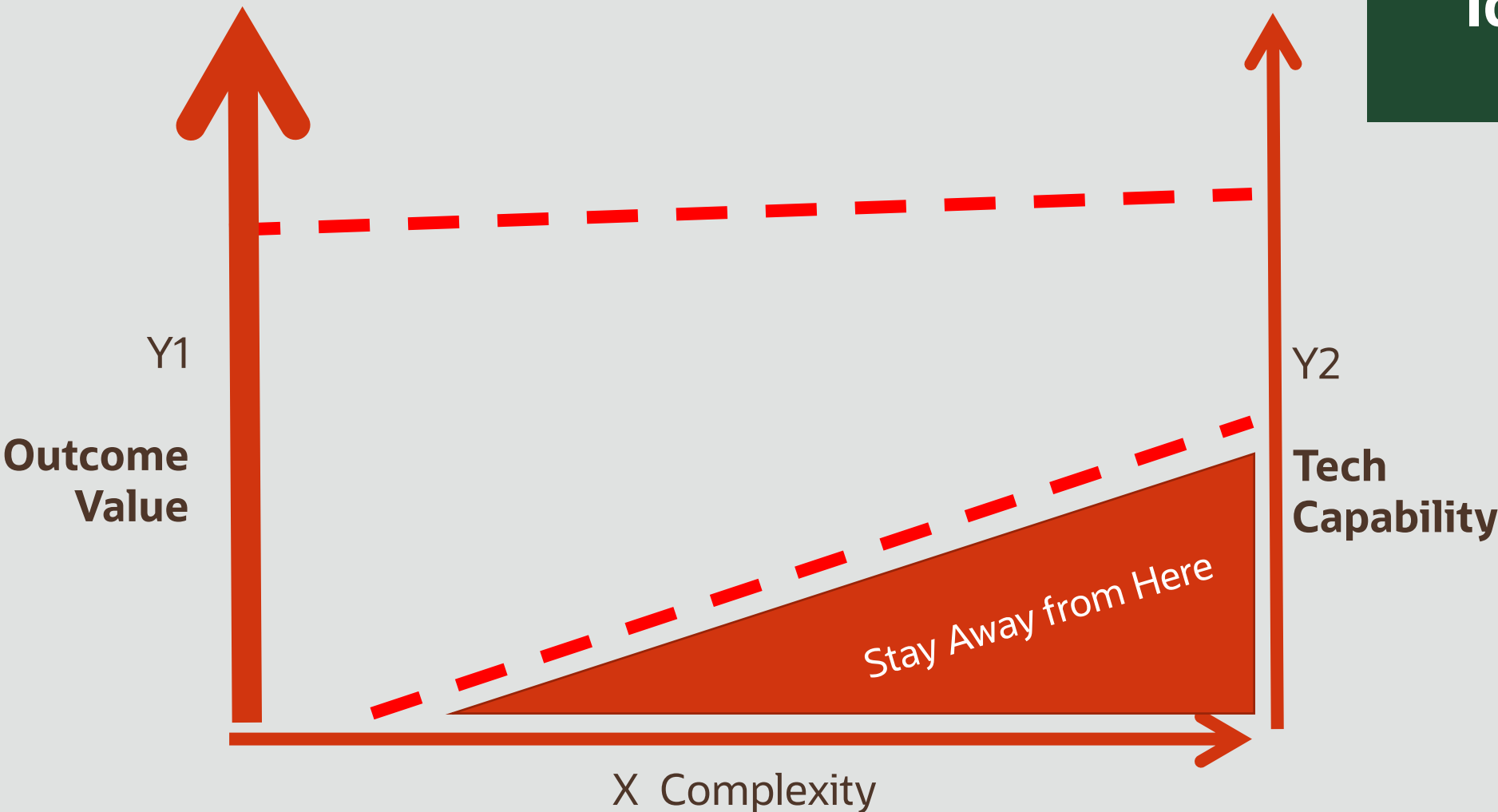
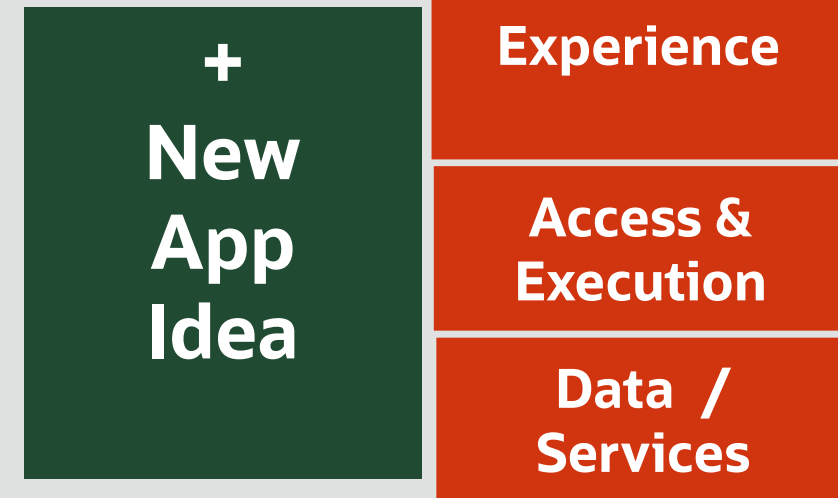
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**New
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Idea**

- Experience
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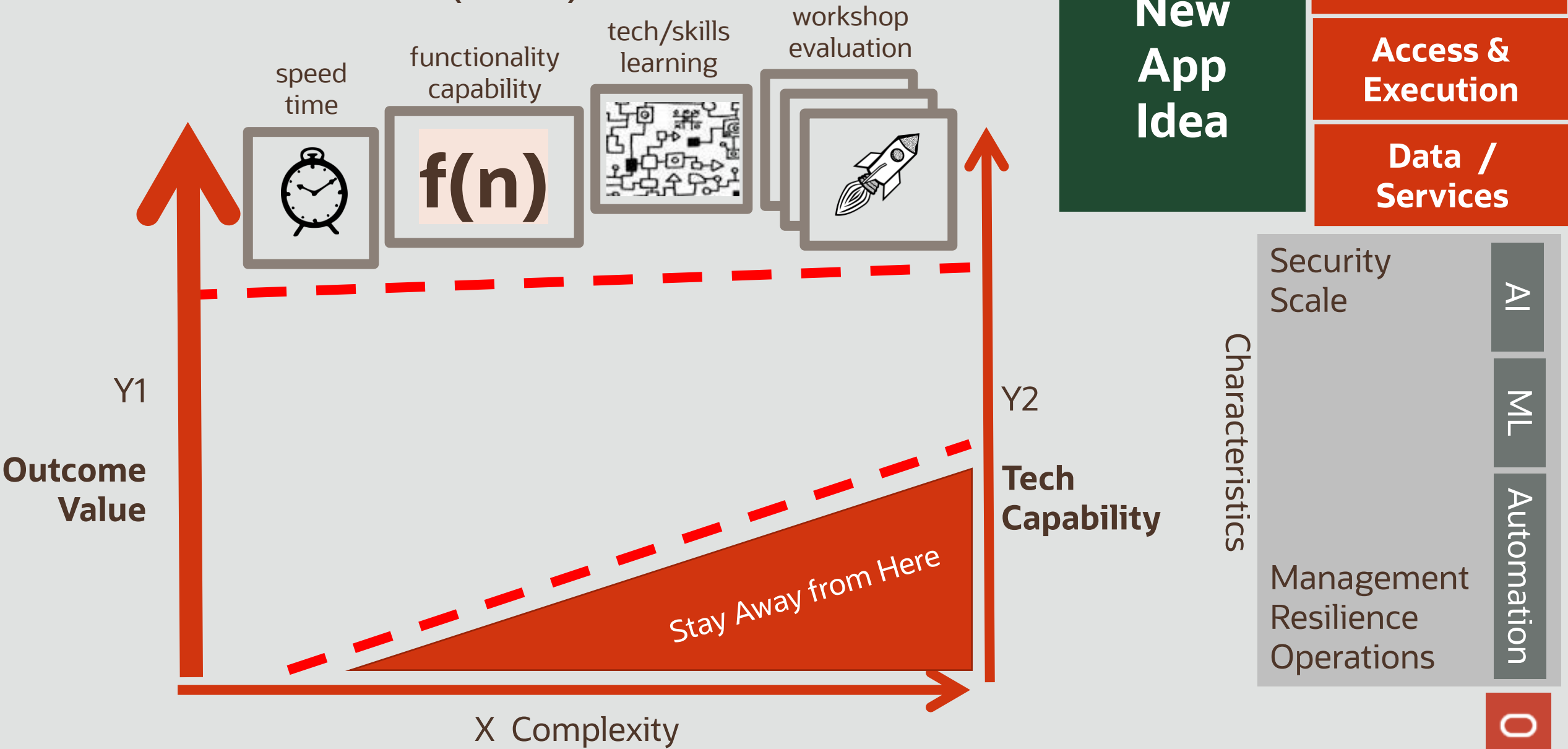
Characteristics



0

Learning & Validation: Fast Fail MVP (weeks)

Parallel Initiatives (2h-2d)



+
**New
App
Idea**

Experience

**Access &
Execution**

**Data /
Services**

Characteristics

Security Scale

Management Resilience Operations

AI

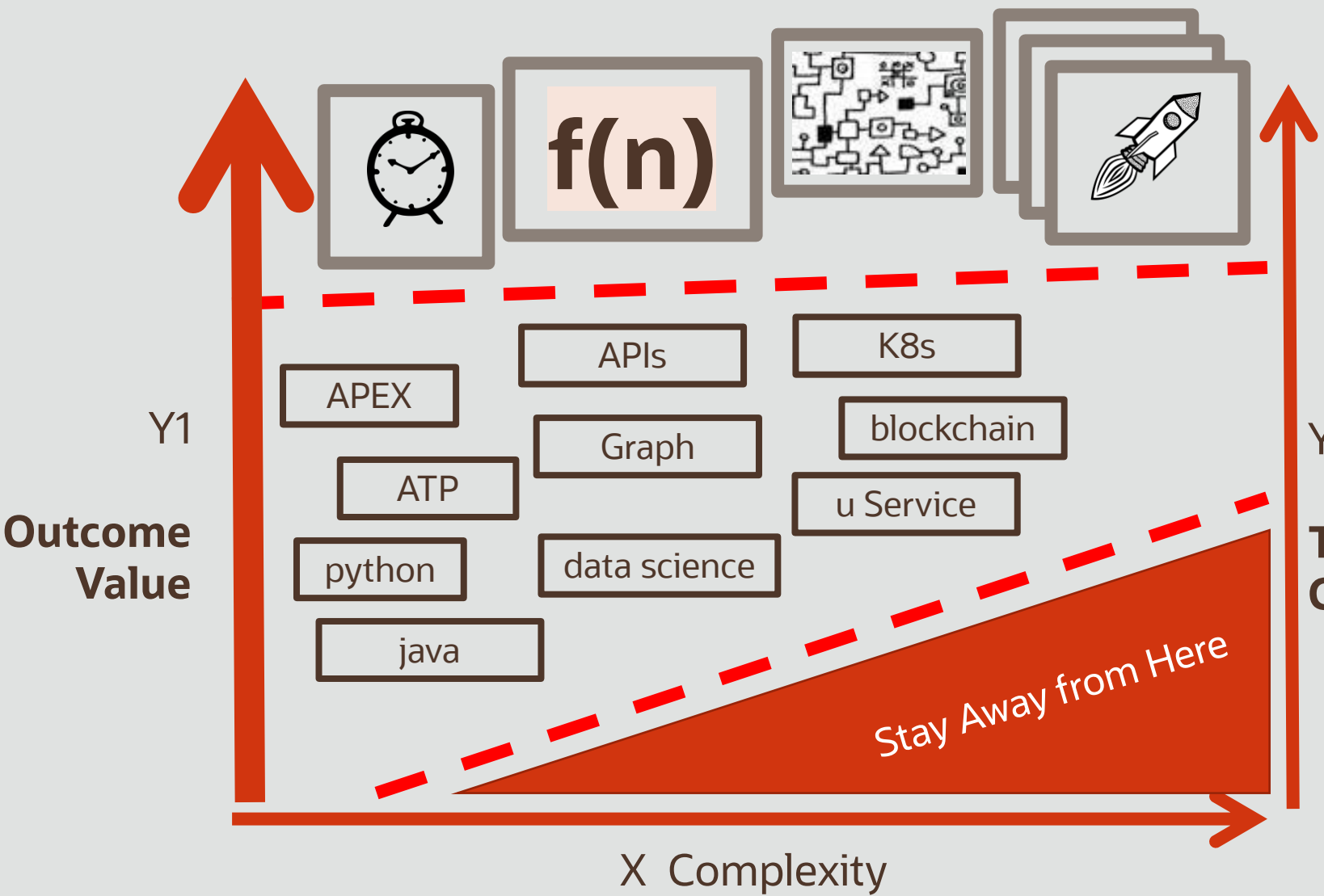
ML

Automation

0

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+ New App Idea

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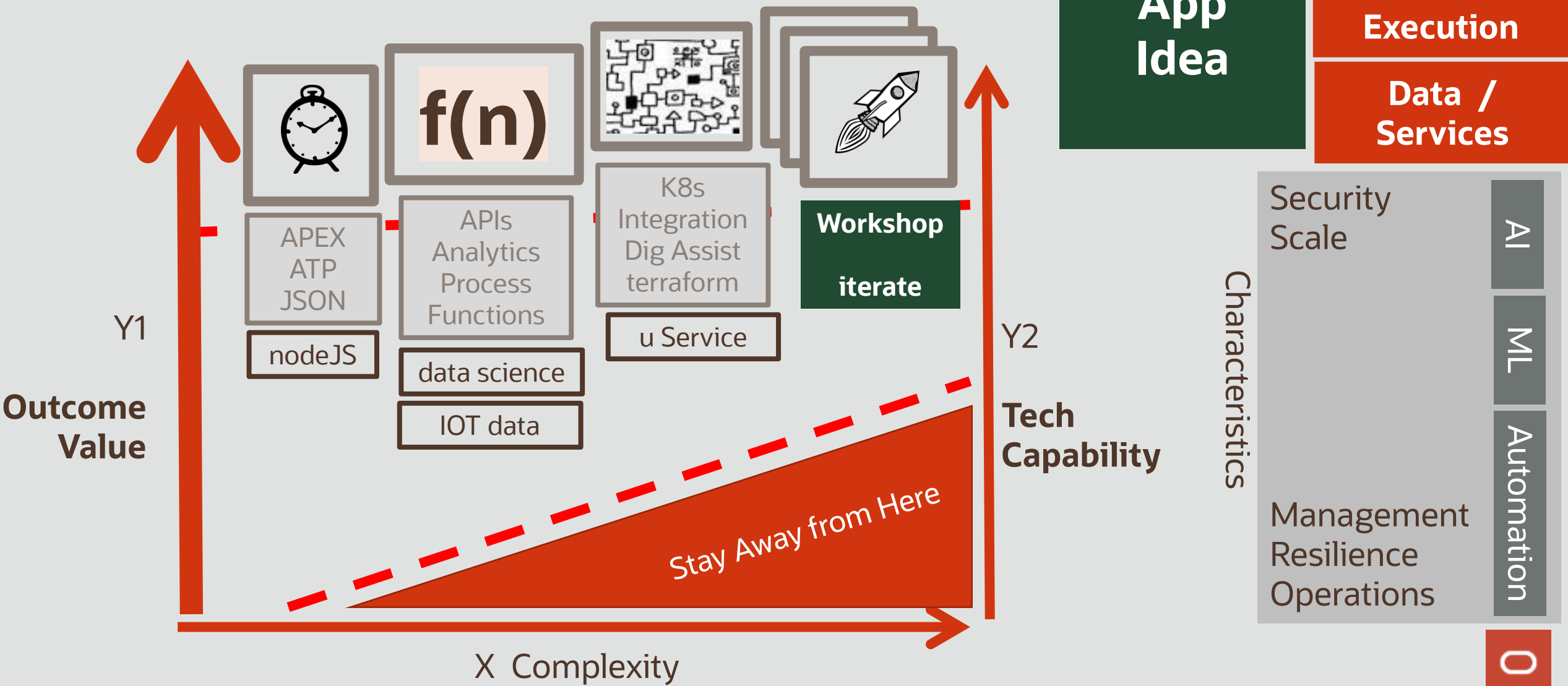
ML

Automation

Management Resilience Operations

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Learning & Validation: Fast Fail MVP (weeks)

Recent Experiences

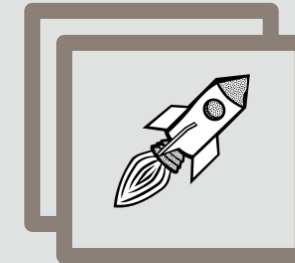
Major Bank

+
New
App
Idea

Experience
Access/Execution
Data/Services



f(n)



From Hardwired
App Integration
to Data Driven
API Led On-Prem
to SAAS
Integration

Fast
validation

App
connectors

APIs
CI / CD

Auto
testing

Cloud
integraion

APEX
ATP
JSON
APIs

PSFT OCI VM
AI based integration
app connectors
On Prem Agent

federation/security
integration analytics
date based deployment
ML based auto testing

1st Iteration
2 weeks

4 Iterations
over 12
weeks

Police Agency

Mobile App with
Back End App
APIs, Blockchain,
AI Based
Workflow

Iterative
prototyping

devops

device
security

blockchain

APIs

Image
processing

APEX
ATP
JSON
APIs

nodeJS
Express

API Policies
ML based Analytics
blockchain

python tensorflow

facial recognition

Image processing

K8s
AI based ntegration
digital assistant (ML)
terraform

u Service

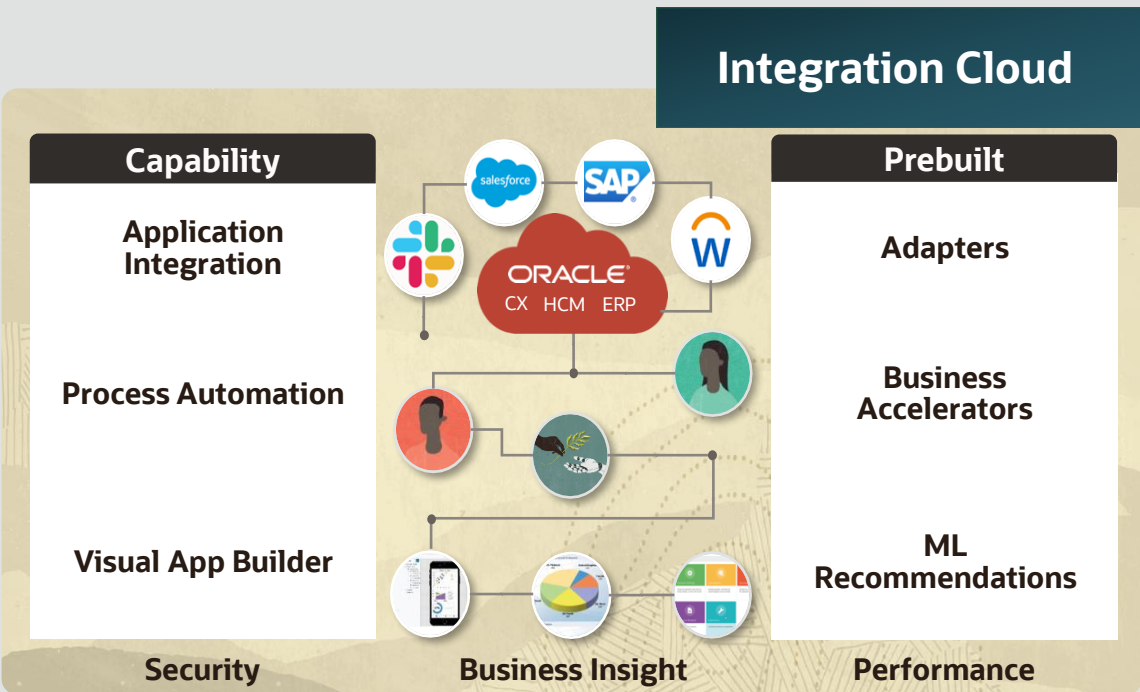
1st Iteration
2 weeks

3 Iterations
over 6
weeks



Learning & Validation: Fast Fail MVP (weeks)

Candidate AI/ML Technology Choices



Analytics

- Oracle Analytics Cloud
- Data Science Service*
- Oracle Analytics for Applications

Autonomous Database

Complete Infrastructure Automation + Complete Database Automation + Automated Data Center Operations and Machine Learning

ORACLE CLOUD

Low Code

- Visual Builder
- Digital Assistant
- APEX
- Blockchain Cloud

Data Safe

Security Assessment

68 Risks

- High Risk: 33
- Medium Risk: 22
- Low Risk: 13

Data Discovery

179 Columns

- Employee Basic Data...
- Public Identifiers: 37
- Address: 34
- Compensation Data...
- Organization Data: 30

User Assessment

84 Users

- Critical Risk: 47
- High Risk: 9
- Medium Risk: 2
- Low Risk: 26

Access Data and Open Source Tools Utilize Compute On Demand Collaborative Workflow Model Deployment

Open Source

Tools / Languages | **Visualization** | **AI and ML** | **Version Control**

python™ jupyter | plotly | matplotlib | DASK | tensorflow | PyTorch | XGBoost | GitHub | GitLab | Bitbucket



Oracle Cloud Infrastructure Architecture Center

<https://www.oracle.com/cloud/architecture-center.html>



Reference Architectures

Access architectures, configurations, and best practices for deploying on Oracle Cloud Infrastructure



Quick Starts

Collection of Terraform examples to quick-start advanced infrastructure on Oracle Cloud Infrastructure

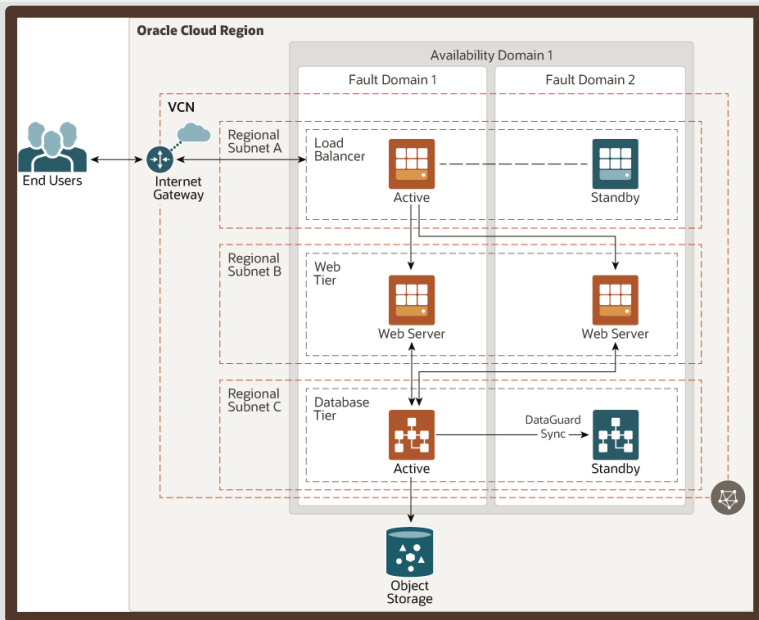


Solution Playbooks

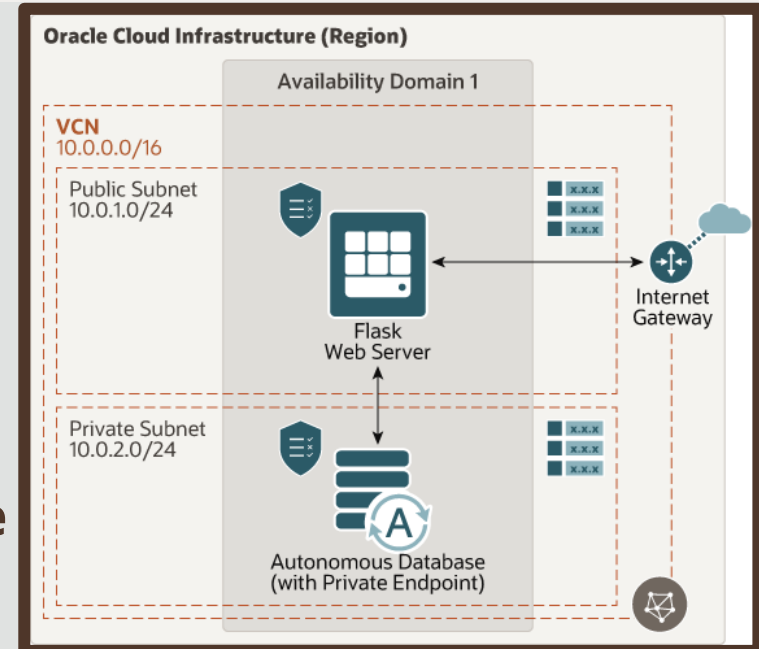
Targeted and cross-product explanations and architectures for how to handle or implement a specific scenario on Oracle Cloud Infrastructure



Deploy a HA Web App



Autonomous Database with a private endpoint





Autonomous Data Warehouse Use Case Patterns

Oracle Autonomous Data Warehouse is Oracle's new, fully managed database tuned and optimized for data warehouse workloads with the market-leading performance of Oracle Database. It delivers a completely new, comprehensive cloud experience for data warehousing that is easy, fast, and elastic.

Below is information about the four most common use case patterns for Autonomous Data Warehouse - from moving your existing data warehouse to the cloud to building data discovery sandboxes.

<https://www.oracle.com/database/technologies/datawarehouse-bigdata/adw-patterns.html>

Data Warehouse Solution Patterns

Open all +



Migrating to Autonomous Data Warehouse



ADW With Private Endpoints



Building a Data Science Environment



2 Choices



Automated Data Loading in the Cloud



Visit the Oracle Architecture Center..
You can find more solution playbooks for Autonomous Data Warehouse...

[Click here](#)

```
git clone https://github.com/oracle-quickstart/oci-arch-data-science
cd adw-with-machine-learning
```

```
terraform init
terraform plan
terraform apply
```

Terraform

ORACLE Cloud Search for resources, services, and documents Australia East (Sydney)

Quick Actions Collapse ^

- COMPUTE: Create a VM instance (2-6 mins)
- AUTONOMOUS TRANSACTION PROCESSING: Create an ATP database (3-5 mins)
- AUTONOMOUS DATA WAREHOUSE: Create an ADW database (3-5 mins)
- NETWORKING: Set up a network with a wizard (2-3 mins)
- OBJECT STORAGE: Store data (2-6 mins)
- RESOURCE MANAGER: Create a stack (2-6 mins)

All systems operational View health dashboard

Account Center

- User Management: Add a user to your tenancy
- Billing: Analyze costs, Manage payment method

What's New

- Object re-encryption

Stack ions

Data Safe available for Autonomous Databases using dedicated Exadata infrastructure Jul 8, 2020



Welcome to Oracle LiveLabs

About Oracle LiveLabs



There's nothing quite like learning how to use a tool or product first-hand.

Oracle LiveLabs gives you free access to Oracle's Cloud to run a wide variety of labs and workshops; allowing you to learn cutting-edge skills in our Cloud, live!

[View All Available Workshops](#)

How Oracle LiveLabs works



Find the workshop you want then either choose to start the workshop now or reserve a date and time to work through it. We'll guide you through the process from end-to-end. You won't need to sign up for anything else - all accounts and access will be provided!

Featured Workshops

Create an Oracle Database in a Docker Container on Oracle Cloud

Workshop Duration: 45 mins (Lease Time: 4 hrs)

Using Docker build files for Oracle Database provided on GitHub. You will create a compute instance, setup docker and build an Oracle

[Reserve](#) [View details](#)

Database 19c - Automatic Indexing

Workshop Duration: 2 hrs (Lease Time: 6 hrs)

Implement automatic indexing to automates index management tasks based on changes in the application workload

[Reserve](#) [View details](#)

Autonomous Database Quick Start

Workshop Duration: 1 hr, 30 mins (Lease Time: 8 hrs)

Perform basic tasks on ADB. Everything from provisioning to querying to creating data visualizations.

[Reserve](#) [View details](#)

Building an App from a Spreadsheet for Oracle Autonomous Cloud Service (19.2)

Workshop Duration: 45 mins (Lease Time: 1 hr, 30 mins)

Upload a spreadsheet into Oracle and create an application on this table.

[Reserve](#) [View details](#)

Building a Proof-of-Concept for Oracle Autonomous Cloud Services (19.2)

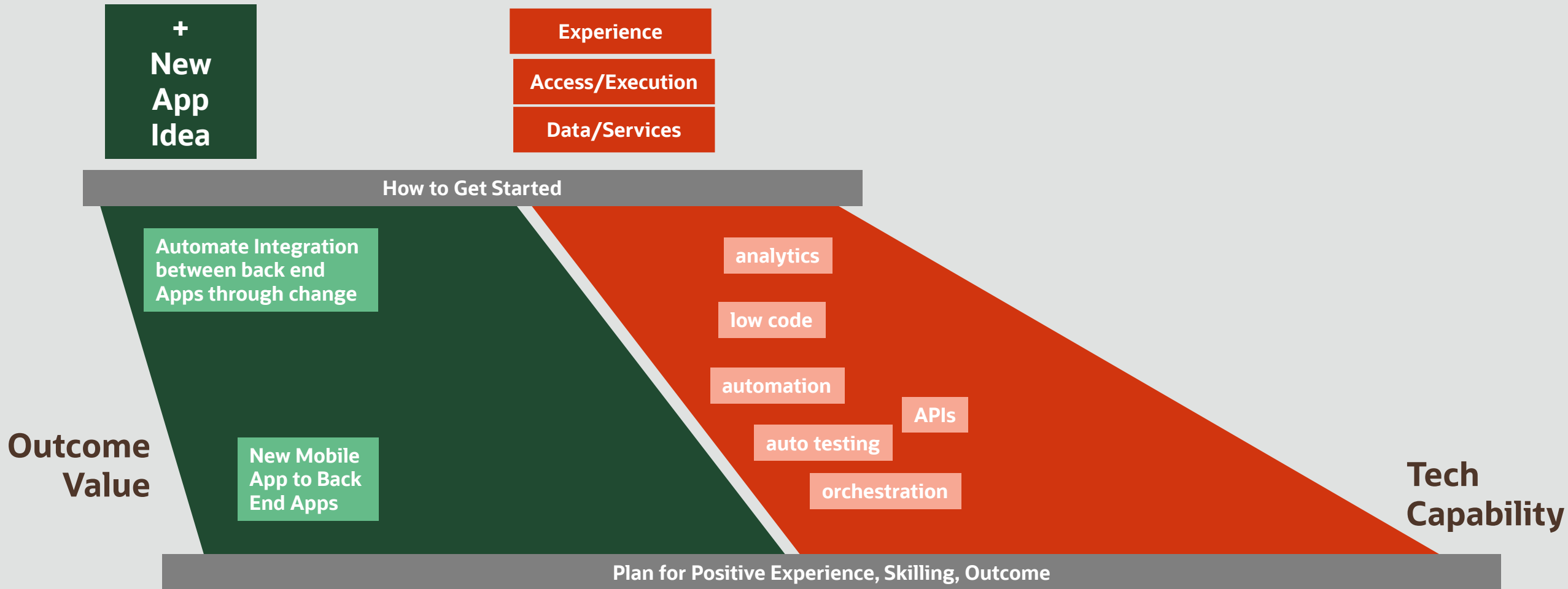
Workshop Duration: 1 hr (Lease Time: 2 hrs)

Build an APEX app on ADB using QuickSQL. Learn about tasks, reports, todos and links.

[Reserve](#) [View details](#)

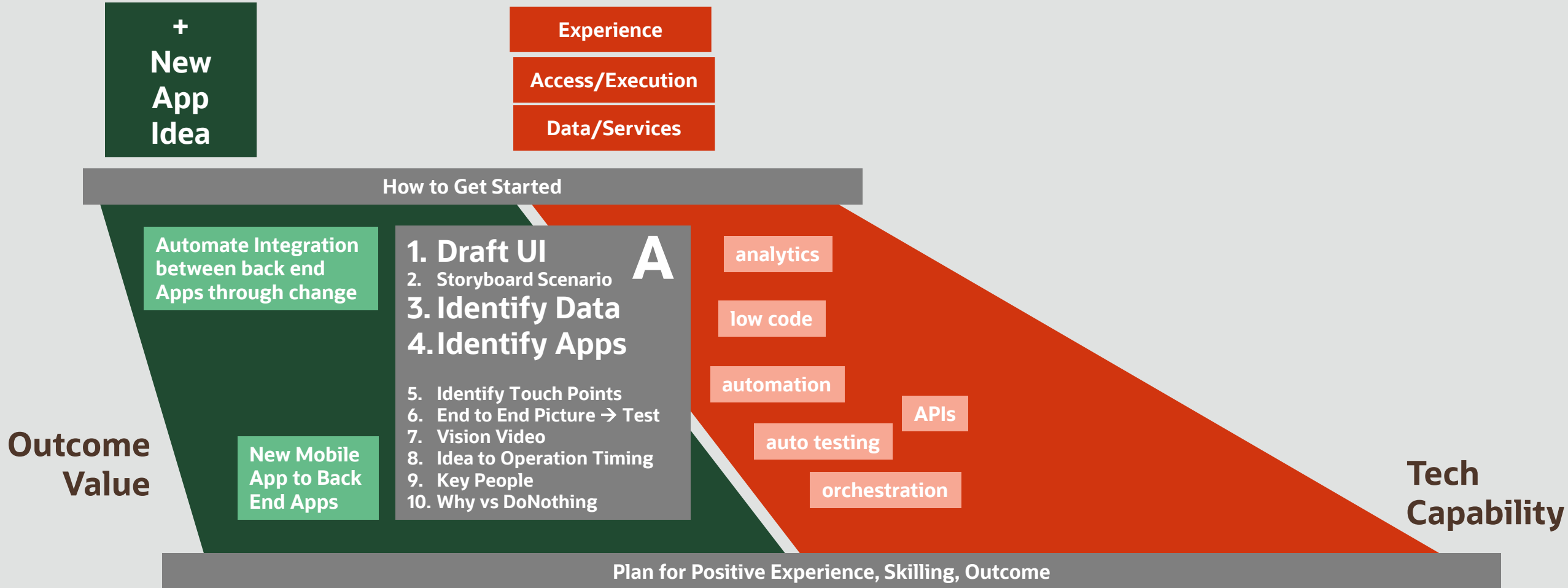
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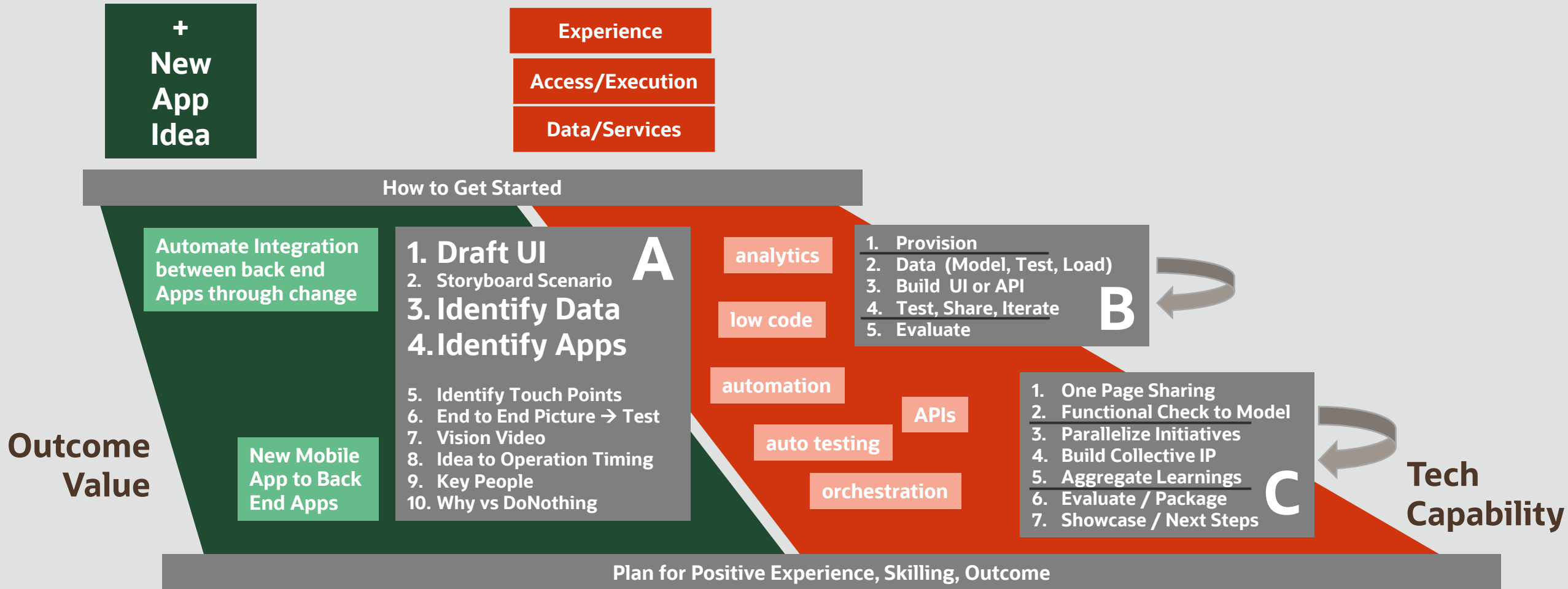
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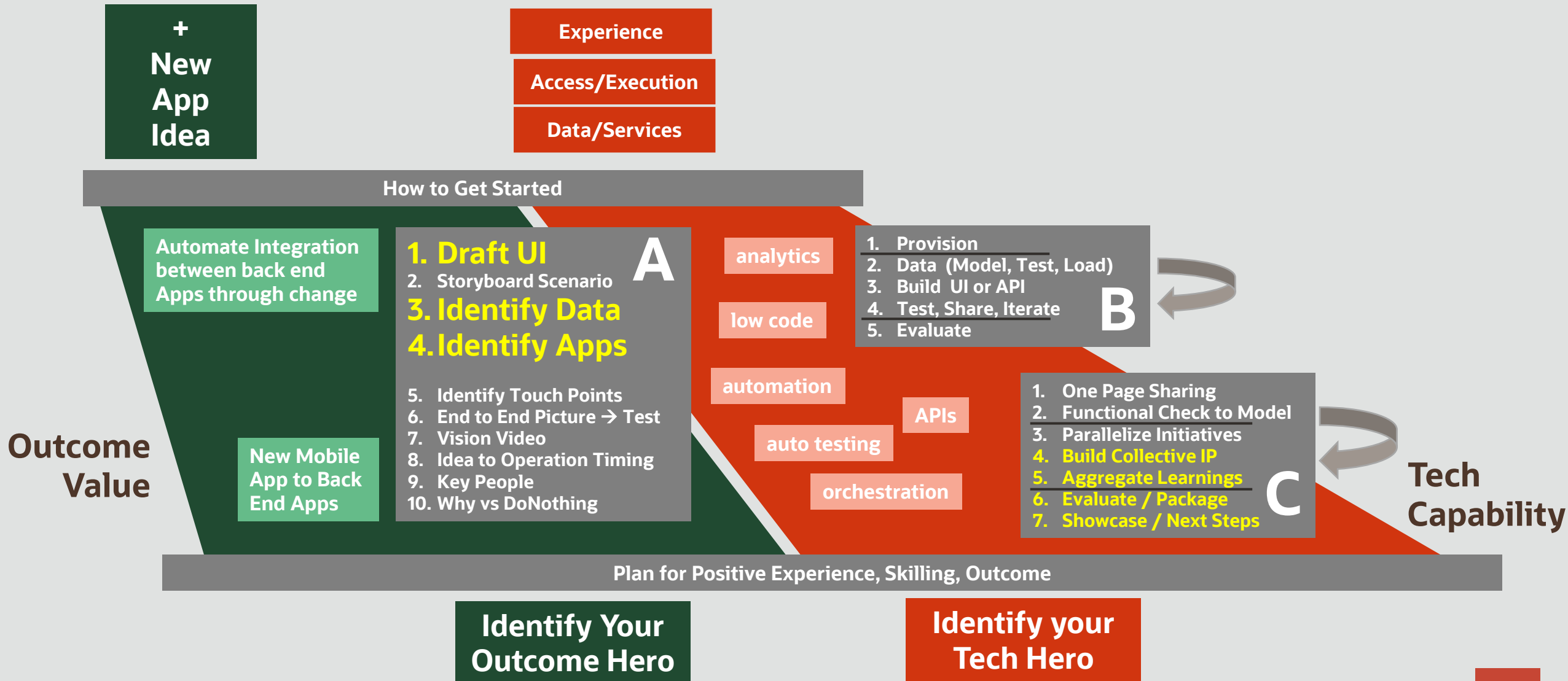
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