

# STRATEGY & DIGITAL

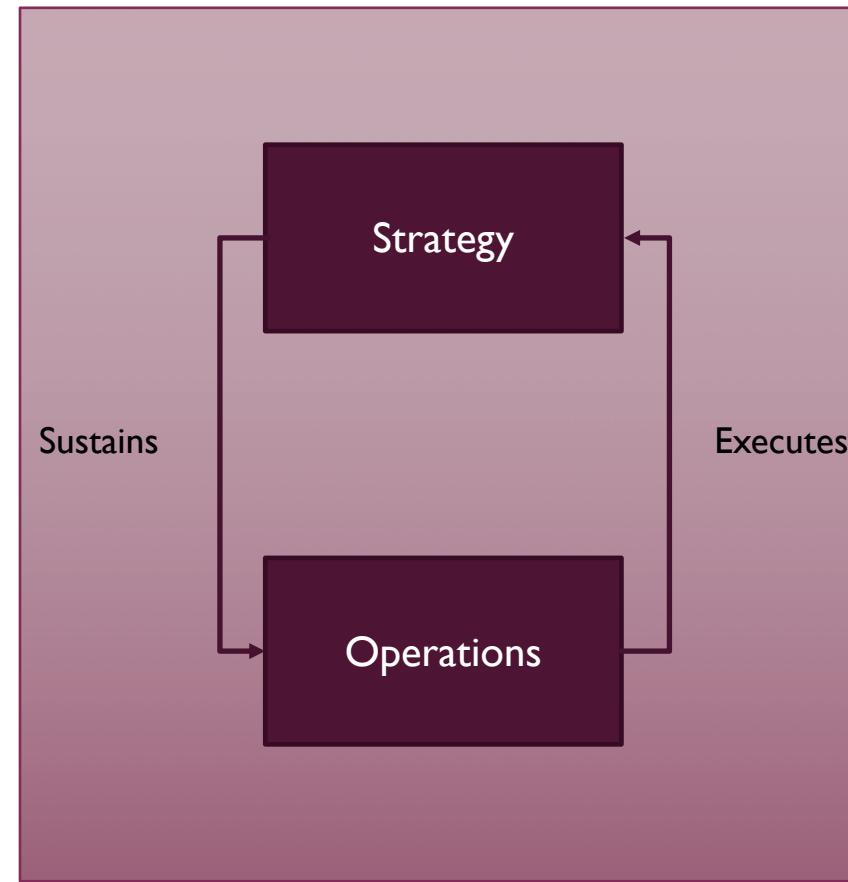
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10/2018

# STRATEGY AND OPERATIONS COMPLIMENT EACH OTHER

STRATEGY is about:

- What product to sell
- How to build it?
- To whom to sell it
- At what price
- With what performance
- How to repeat the sell



OPERATIONS

- Capture how work is done daily
- Defined using business processes
- Include three components: sales forecast, resource capacity, budgets (OP-EX, CAP-EX)

# WHAT DIFFERENT STRATEGIES EXISTS AND WHY?

## Stabilizing Strategy

Locally stabilizes a firms position among existing competition

Cannot be long-term reason to exist since change is inherent in and around us

## Disruptive Strategy

Locally reconstructs a new position within existing competition

Can produce short-term birth

## Reconstructive Strategy

Globally reconstructs a new position beyond the existing competition

Can produce continuous reasons to exist to adjust and introduce change

# WHAT TECHNOLOGY HAS TO SAY?

## Supporting a stabilizing strategy

### “Enterprise Architecture”

Automates repetitive tasks → reduces labor → reduces cost

Increases accuracy and speed of processes → more customers to be served at a higher quality → increases revenue and growth

Increases employee productivity → Reduces cost and increases revenue

Works along two dimensions integration or standardization

## Supporting a disruptive strategy

### “Tech Startup”

Great way to build platforms

Majority of the last decade startups are tech startups

## Supporting a reconstructive strategy

### “Digital Transformation”

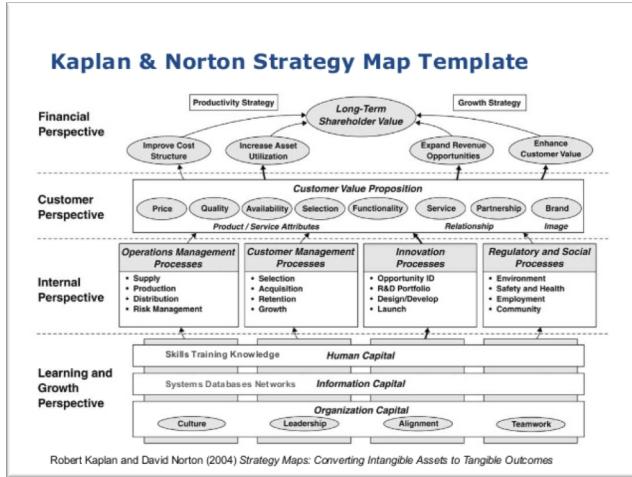
As the fastest changing phenomenon around shapes what customers demand

Provides unique ways to create reconstructive strategies around customer, competition, data, innovation, and value

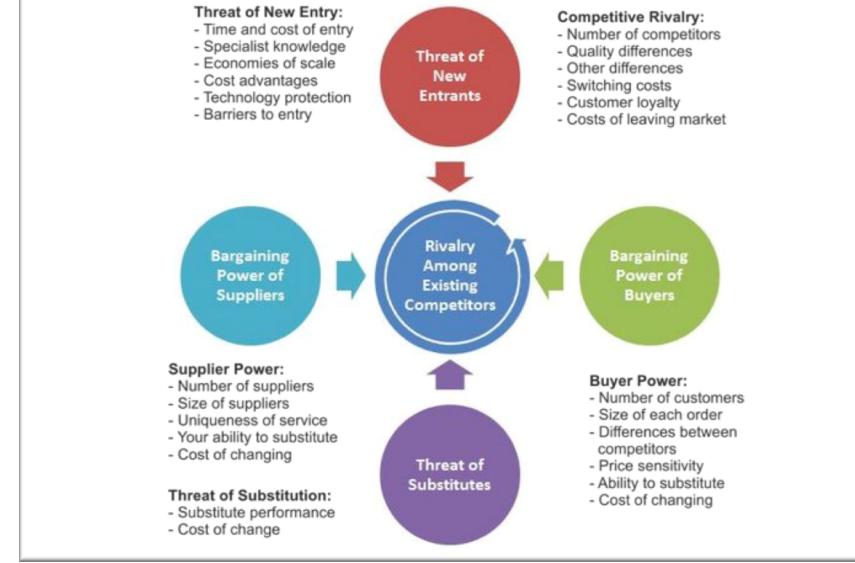


# STABILIZING STRATEGY & ENTERPRISE ARCHITECTURE

HOW TECHNOLOGY CAN HELP IMPLEMENT A STABILIZING STRATEGY USING STANDARDIZATION & INTEGRATION



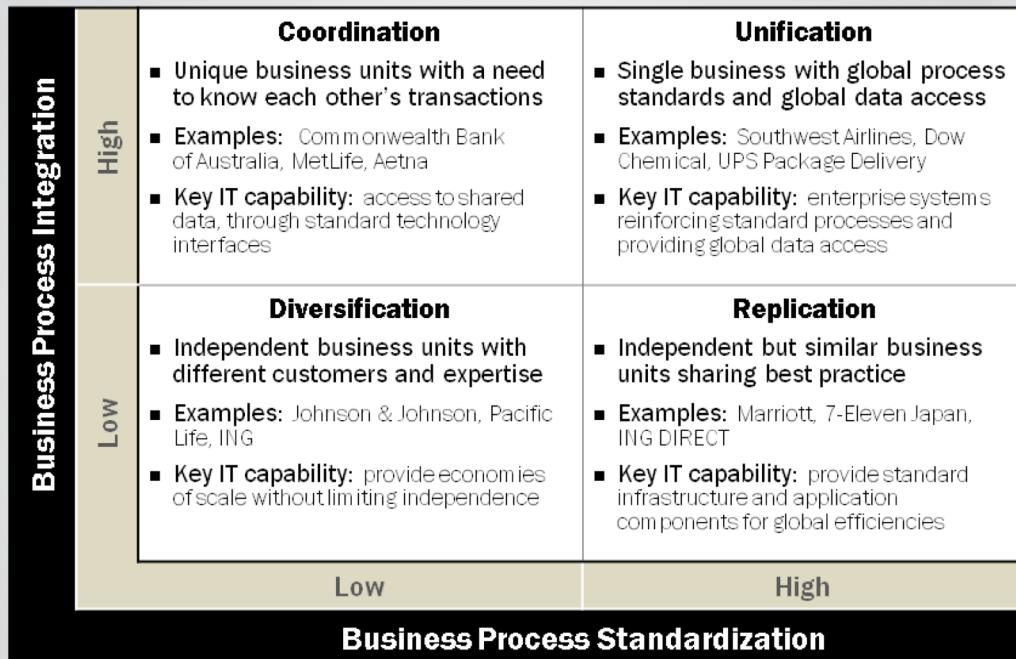
## Five Forces Analysis (Porter)



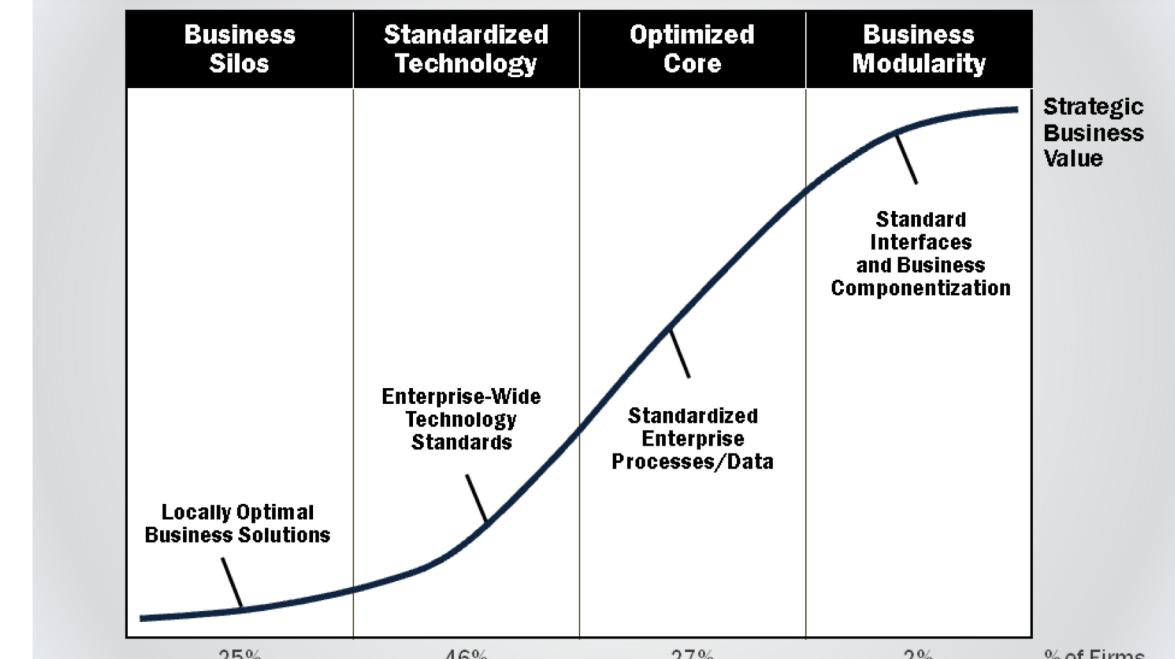
# STABILIZING STRATEGY

# FRAMEWORK: ENTERPRISE ARCHITECTURE

## Four operating models



## Enterprise architecture builds agility over time



# TOOL I: CLOUD ENABLES A WELL-ARCHITECTED FRAMEWORK

## Operational Excellence

Monitor systems

Anticipate failure

Perform operations  
as code

## Security

Maintain the  
confidentiality and  
integrity of data

Protect  
information,  
systems, and assets

Identify security  
incidents

## Reliability

Scale horizontally  
to increase  
availability

Automatically  
recover from failure

Stop guessing  
capacity

## Performance Efficiency

Democratize  
advanced  
technologies

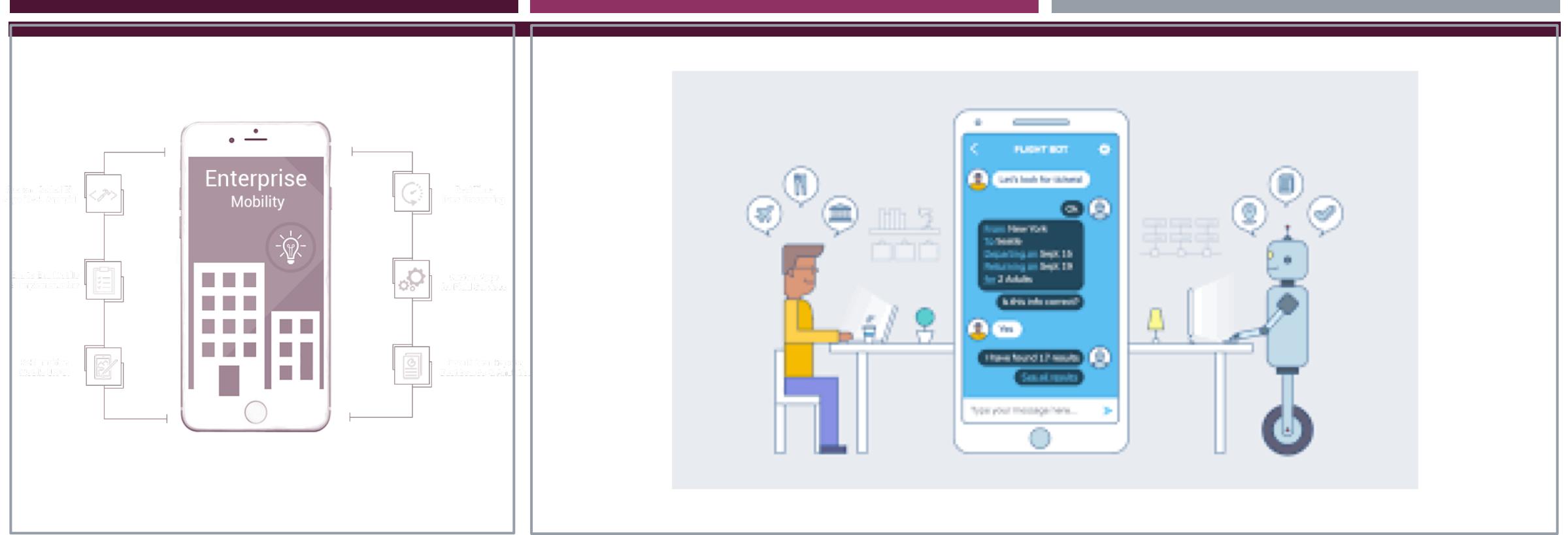
Go global in  
minutes

Experiment more  
often

## Cost Optimization

Only pay when  
using

Share unused  
capacity (PaaS)



## TOOL 2: DIGITAL WORKPLACE



## TOOL 3: CLOUD MIGRATION



# RECONSTRUCTIVE STRATEGY & DIGITAL TRANSFORMATION

HOW TECHNOLOGY CAN HELP RECONSTRUCTIVE STRATEGIES USING DIGITAL TRANSFORMATION

# PRODUCT DIMENSION

- For a given product (good or service), its continuum includes all other products that have an absolute cross elasticity of demand of  $> \alpha$ :  $|E_{A \sim B}| > \alpha$ .

Below table shows all cases. This row shows strategy domain for a movie theatre:

$E_{A \sim B} < -\alpha$	$ E_{A \sim B}  < \alpha$	$\alpha < E_{A \sim B} < \sim 100\%$	$E_{A \sim B} \sim 100\%$
Complement	Out of Domain	Alternative	Substitute (Industry)
Day care	Furniture	Nearby Restaurants	Netflix

- Product continuum contains complements, alternatives, and substitutes.
- Not easy to quantify  $\alpha$ . So we can use a industry matrix

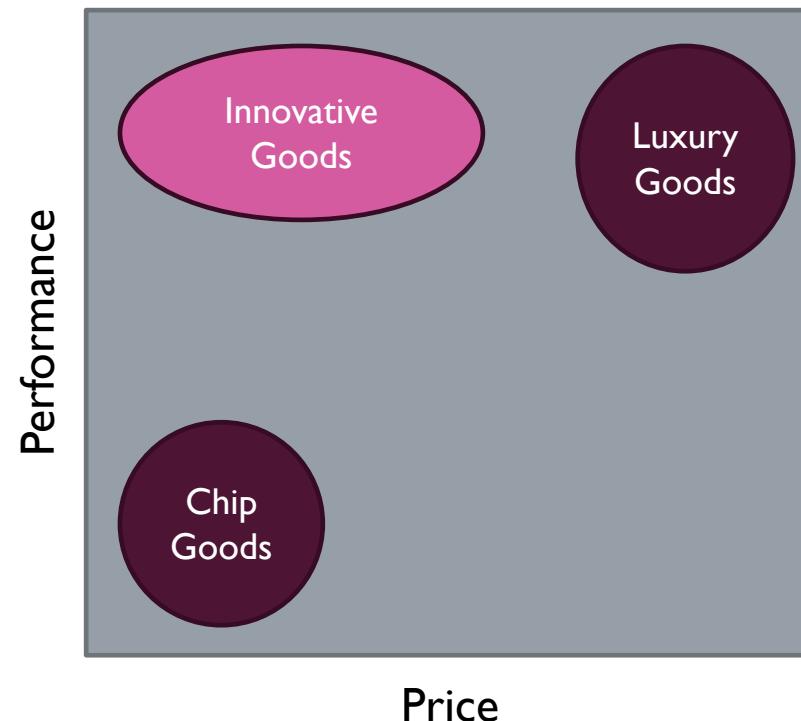
Cross elasticity of demand or cross-price elasticity of demand measures the responsiveness of the quantity demanded for a good to a change in the price of another good, *ceteris paribus*. It is measured as the percentage change in quantity demanded for the first good that occurs in response to a percentage change in price of the second good:

$$E_{A \sim B} = \frac{\Delta Q_A \%}{\Delta P_B \%}$$

For example, if, in response to a 10% increase in the price of fuel, the demand for new cars that are fuel inefficient decreased by 20%. A negative cross elasticity denotes two products that are complements, while a positive cross elasticity denotes two substitute products.

# PROPOSITION DIMENSION

- Specific performance and price points that a firm decides to sell its product: Toyota produces mid-size cars at a low price whereas Porsche produces sports cars at high prices.



## OTHER DIMENSIONS

- Value Dimension: set of activities that takes a product from its initial birth at a given firm to the hand of buyer.
  - Extended value Dimension : value dimension extended with upstream and downstream activities along that are accomplished by suppliers and buyers.
- Operations Dimension: operations that take place after the product is sold to keep it usable. E.g. maintenance.
- buyer Dimension: for a given product, includes all the buyer can receive value by purchasing the product. It also includes the intermediaries that could exist before the product is received by the end-customer. E.g. clinics can be intermediaries to provide a specific medication to a patient. Both clinic and patient belong to the buyer continuum.
- Demand Dimension: includes the first and all the possible subsequent opportunities to sell a product to a customer. E.g. a patient who comes for a visit to a clinic can go through multiple physician visits until he is completely healed rather than being seen by the first physician he made an appointment, given a prescription and let go.
- Time Dimension includes future time epochs that a firms can predict how is strategy should be set based on existing market trends.

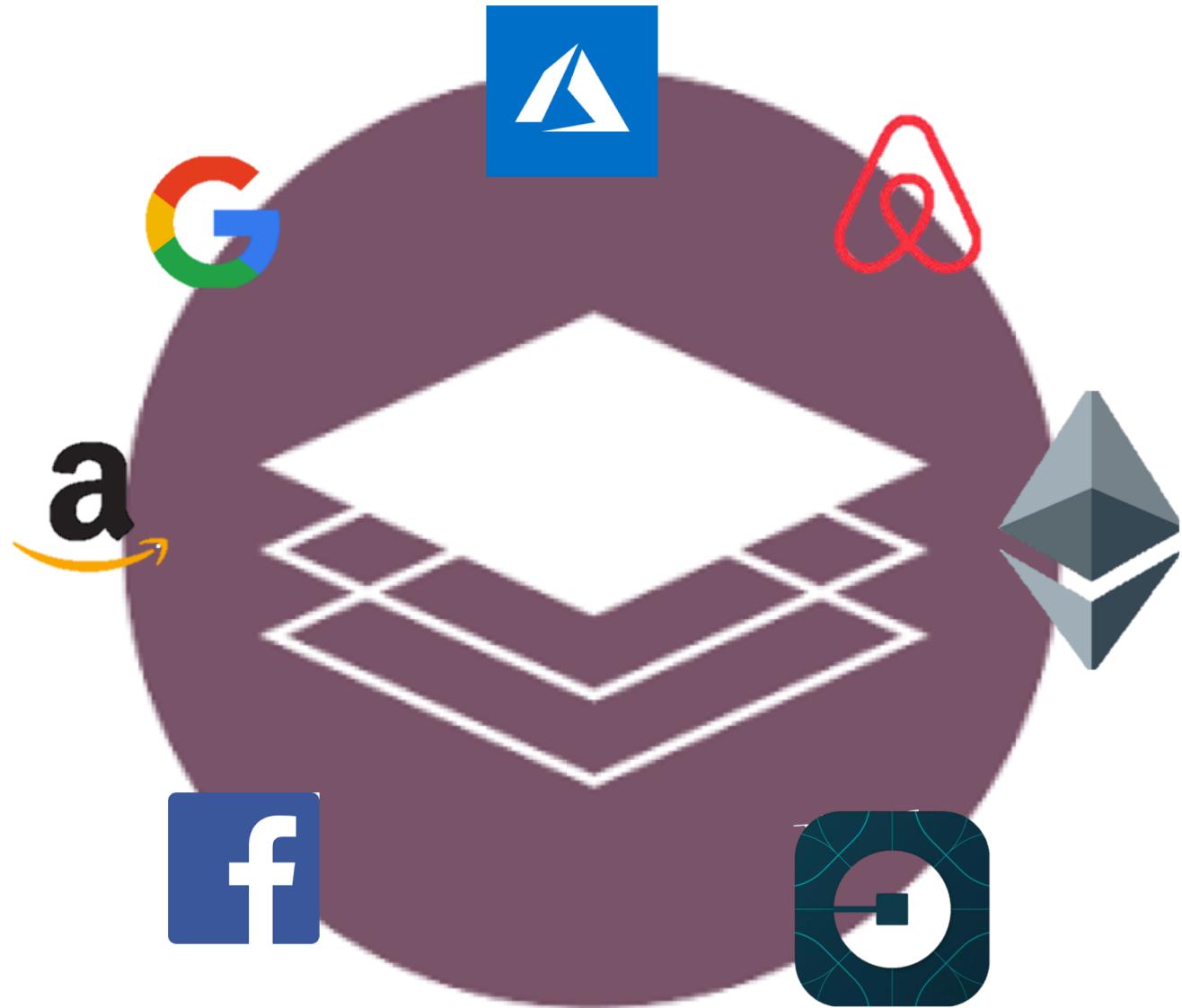
# Strategy Domain

Product Dimension	Value Dimension	Operations Dimension	Proposition Dimension	Buyer Dimension	Demand Dimension	Time Dimension
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# FRAMEWORK: DIGITAL TRANSFORMATION

Transforming the entire firm: redefining customer value proposition, value-added processes, and people's working method

Customers	Competition	Data	Innovation	Value
<ul style="list-style-type: none"><li>- Dynamic Networks</li><li>- Economies of Value</li><li>- Inspirational marketing</li><li>- Key Influencers</li></ul>	<ul style="list-style-type: none"><li>- Co-opetition</li><li>- Fluid Industries</li><li>- Platforms</li></ul>	<ul style="list-style-type: none"><li>- Generated Continuously</li><li>- Unstructured Data</li><li>- Produce Information</li></ul>	<ul style="list-style-type: none"><li>- Experimentation</li><li>- Problem vs Solution</li><li>- MVP &amp; Iterations</li></ul>	<ul style="list-style-type: none"><li>- Evolve vs Optimize</li><li>- Not industry-specific</li><li>- Futuristic Value Prop</li></ul>



## APPROACH I: PLATFORMS

## APPROACH 2 MICROSERVICES ORGANIZATION



## APPROACH 3 OMNICHANNEL

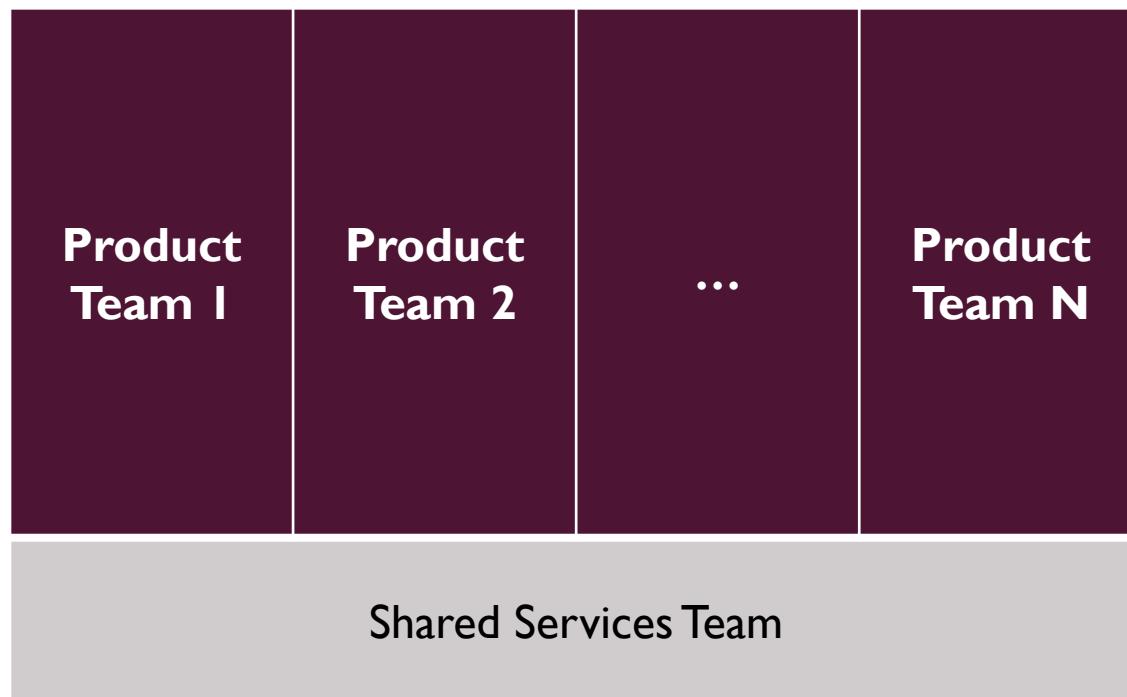


# TRANSITION FROM TRADITIONAL TO DIGITAL IT

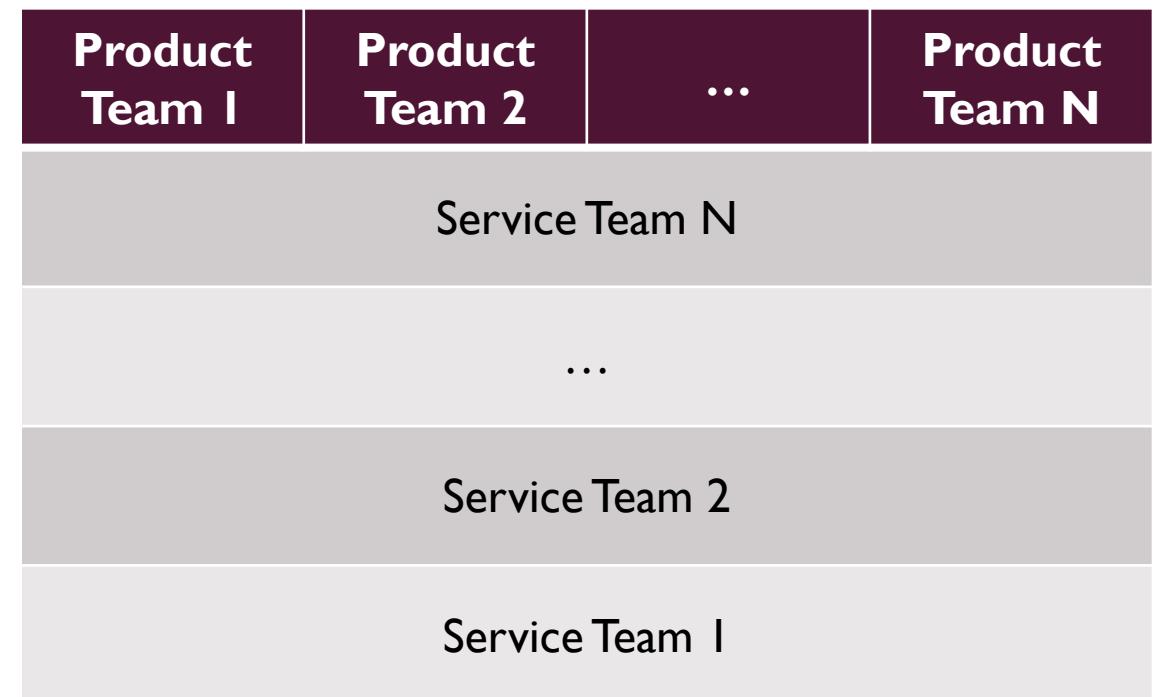
FROM PRODUCT TEAMS TO SERVICE TEAMS

# TRADITIONAL VS DIGITAL IT

Traditional IT Organization



Digital IT Organization



# DIGITALIZATION PHASES

