



Adaptivity
The IT Design Company™



A NATOMY OF AN IT BLUEPRINT

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Adaptivity
blueprint⁴IT
Design Suite 1

Session Overview

- Introduction
- What is an IT Blueprint ?
- IT Blueprint Sections
- Summary

Design Science 101 Video

Blueprint Anatomy 101

Understand the Formula of a Blueprint

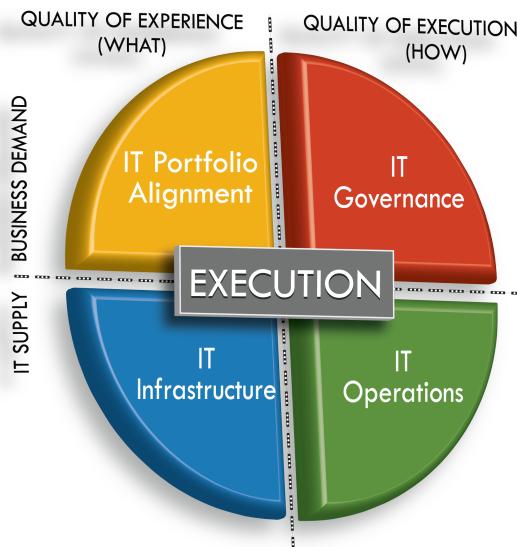
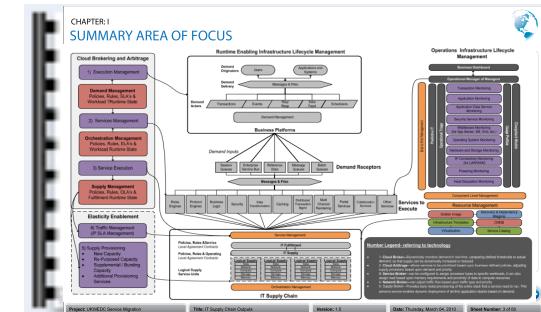
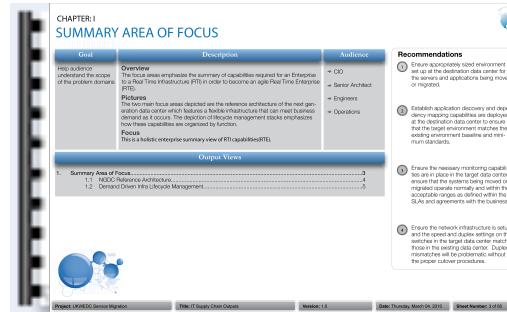
*IT Blueprint
Design
Science*

$$= \frac{\text{IT Economics} \quad \text{IT Physics} \quad \text{IT Supply Chain Mgt}}{\left(\frac{\text{IT Demand}}{\text{IT Supply}} \right) + \left(\frac{\text{Workload}}{\text{DC Footprint}} \right) + \left(\frac{\text{Elasticity}}{\text{Fulfillment}} \right)}$$

Δ Quality of IT Delivery & Execution
(Performance, Costs, Efficiency, Risk, Cycle Time)

Blueprint Anatomy 101

Establish the Blueprint Anatomy Fundamentals

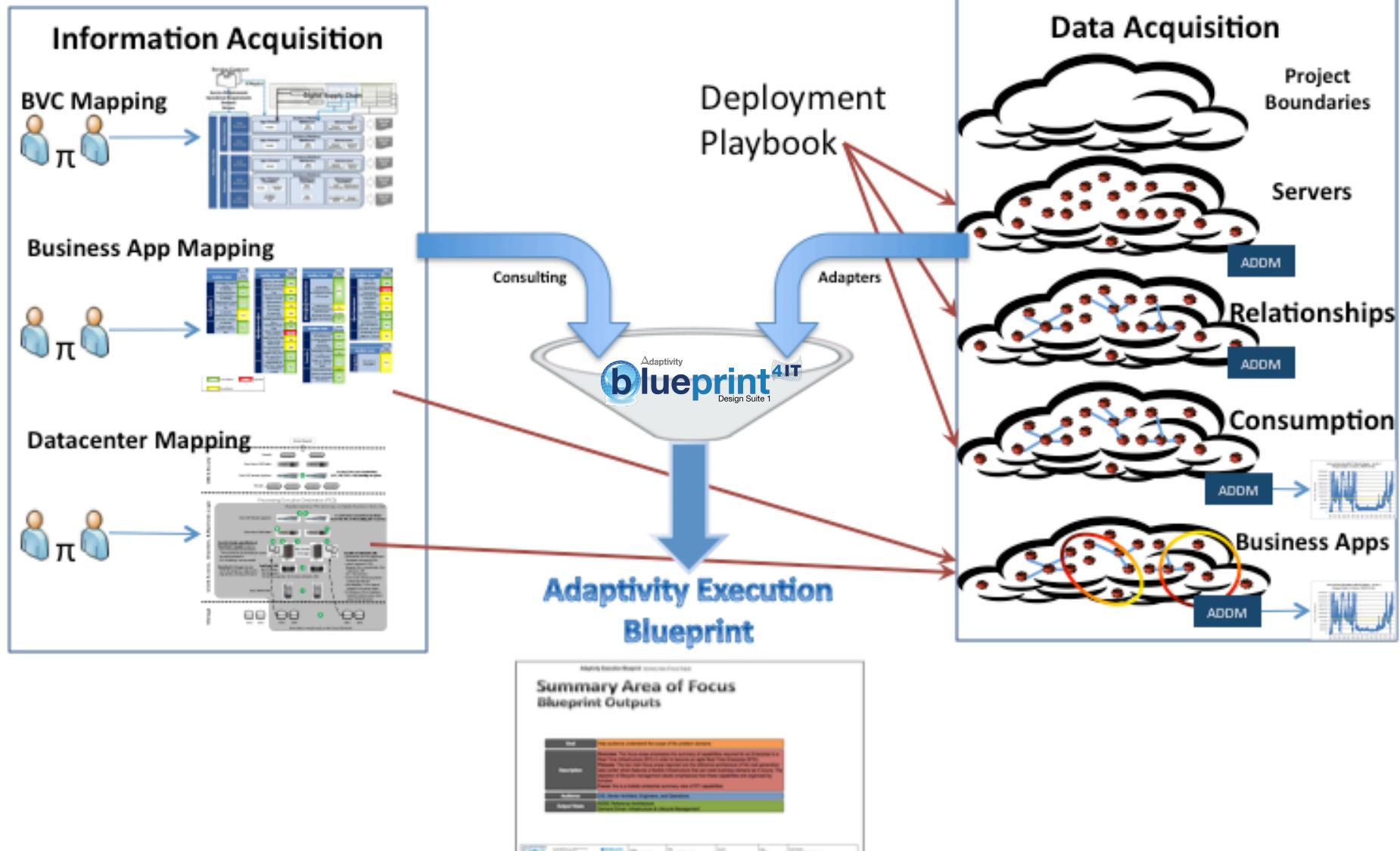


Blueprint Anatomy Fundamentals:

- Blueprints define a holistic system
- Blueprints include architecture, engineering & operations
- Blueprints are living systems
- Blueprints accelerate transformation

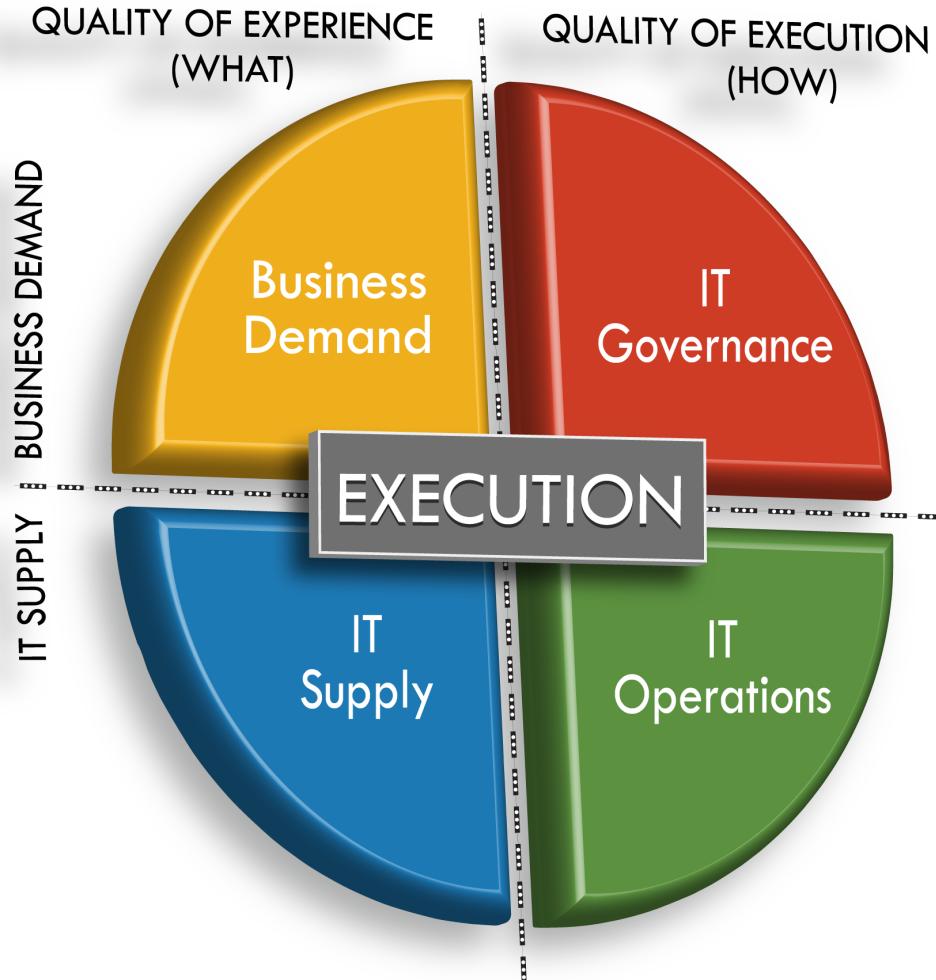
Blueprint Anatomy 101

Blueprints are objective and data driven



Blueprint Anatomy 101

Blueprints are Multi-Dimensional



Blueprint Drawings

- Shows how things are arranged, layout, relationships

Bill of Materials

- Shows what parts are needed

Annotations

- Provides guidance on what needs to be done

Reports

- Shows rationale & justification

Business Demand

Blueprints must define demand model by business function & app

Dimension Purpose: (Why are we Doing It?)

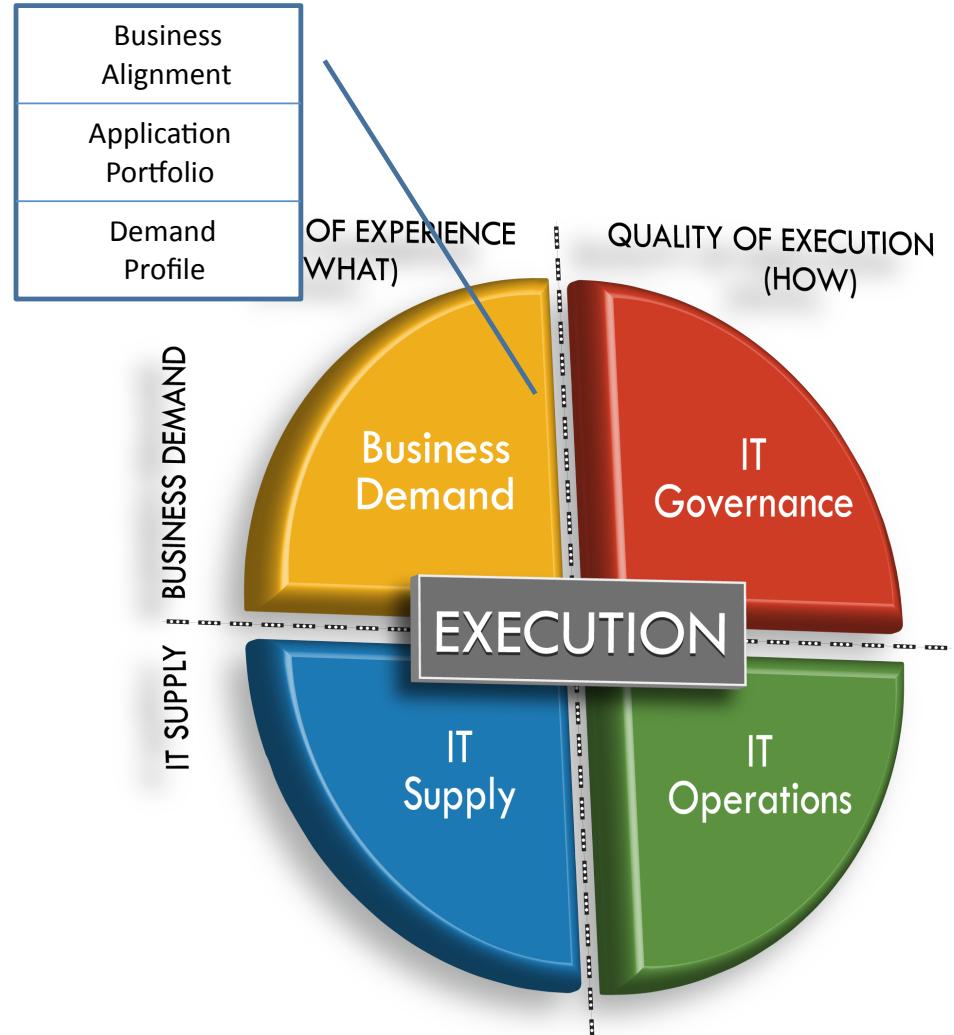
- Align IT by Anchoring on Business Needs

Blueprint Goals: (What are we going to Say?)

- Summarize Business Process Requirements
- Describe Workload in Context of Business Process

Objectives: (How are we going to Do It?)

- Describe the Business
- Understand Application Alignment to Business Value Chain
- Profile Shape of Workload using QoE
- Profile Distribution of Workload using Functional Patterns
- Profile Workload Volume using Peak Period Characteristics



IT Supply

Blueprints link IT consumption, dependencies and lifecycle

Dimension Purpose:

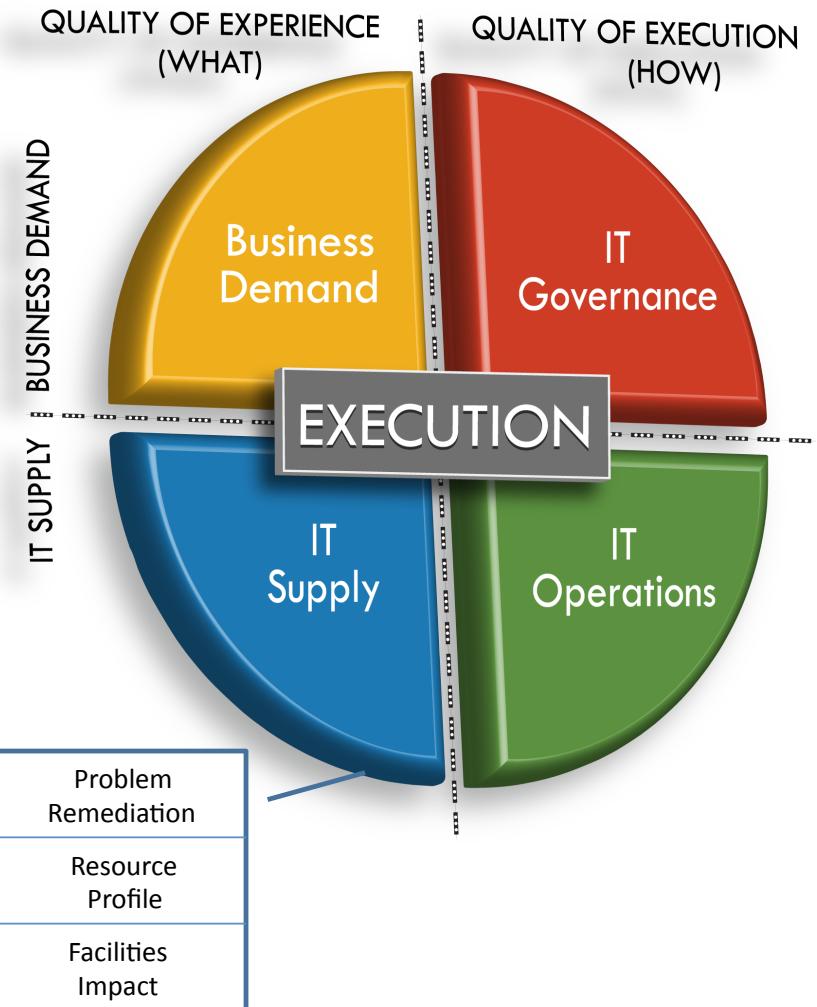
- Optimize the use of Resources

Blueprint Goals:

- Determine the optimal quantity of resources by type
- Illustrate amount of resource re-use
- Show Problems Remediated
- Illustrate resource dependencies

Objectives:

- Size and Dimension of IT Pools of Resources
- Map resource units based on Workload patterns
- Identify re-use opportunities
- Remediate known problems
- Profile resource impact on facilities



IT Execution

Demand/supply fulfillment determination and its associated elasticity

Dimension Purpose:

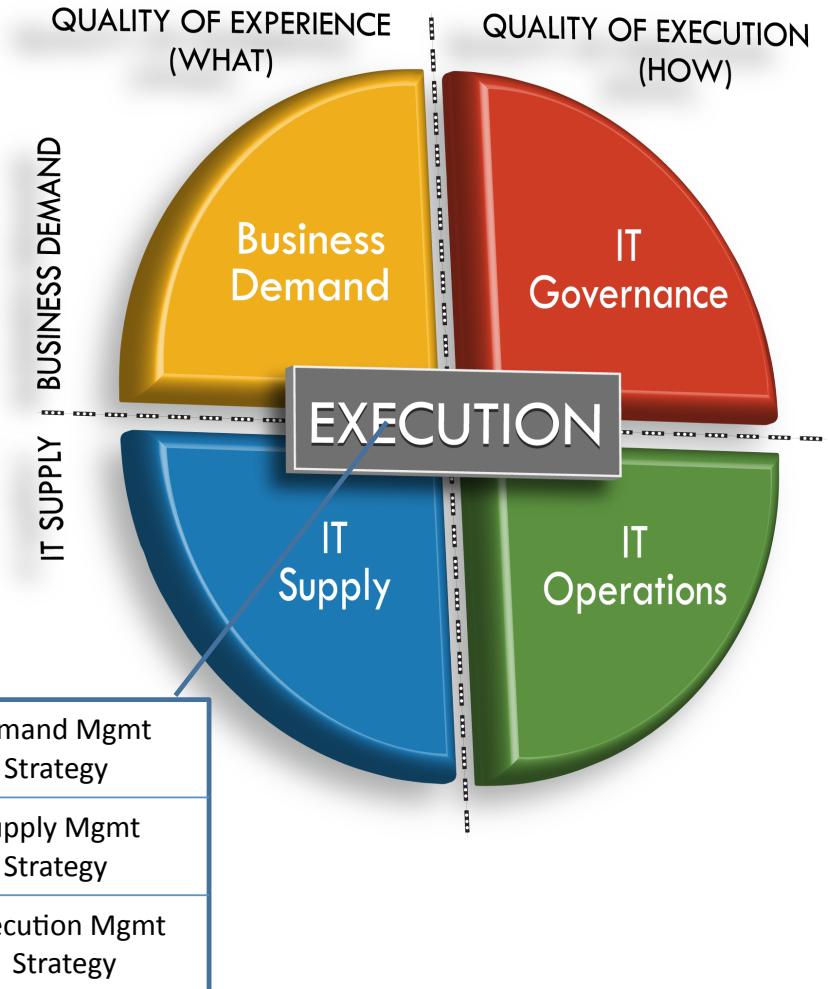
- Effective Balancing of Demand and Supply

Blueprint Goals:

- Describe Workload Imprint on Infrastructure
- Define Workload Management Policies
- Demonstrate Optimal Utility Usage
- Define Resource Allocation Policies
- Define PED Management Infrastructure (PEM)

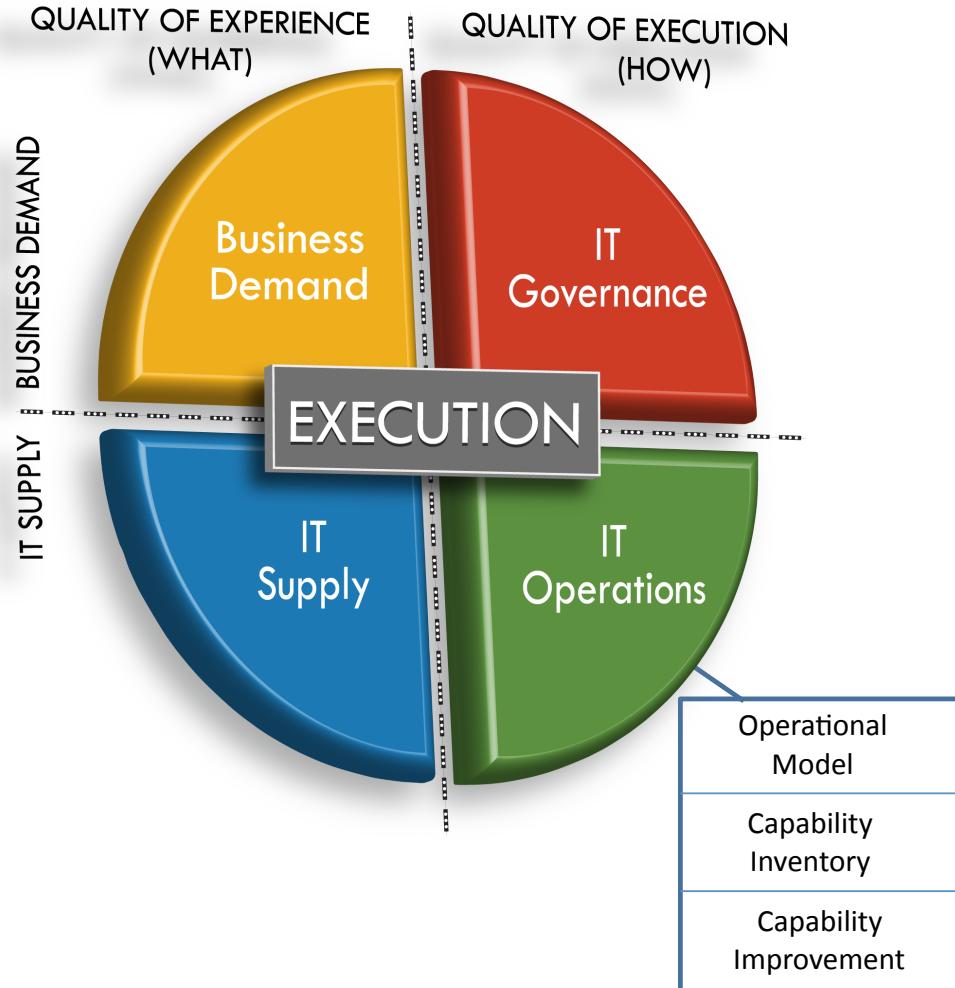
Objectives:

- Define Logical Architecture using Static Deployment Patterns
- Use Information Patterns to derive Data, Security, & Network Policies
- Use Ensembles to define high level resources
- Define Resource Allocation Strategy
- Derive Runtime Services from Ensembles & Resource Allocation Strategy
- Profile Expected Resource Consumption
- Define PEM Infrastructure Required to control and monitor observed resource consumption



IT Operations

Factoring the dimensions of time, calendar, priority and opportunity costs



Dimension Purpose:

- How the Utility is Managed

Blueprint Goals:

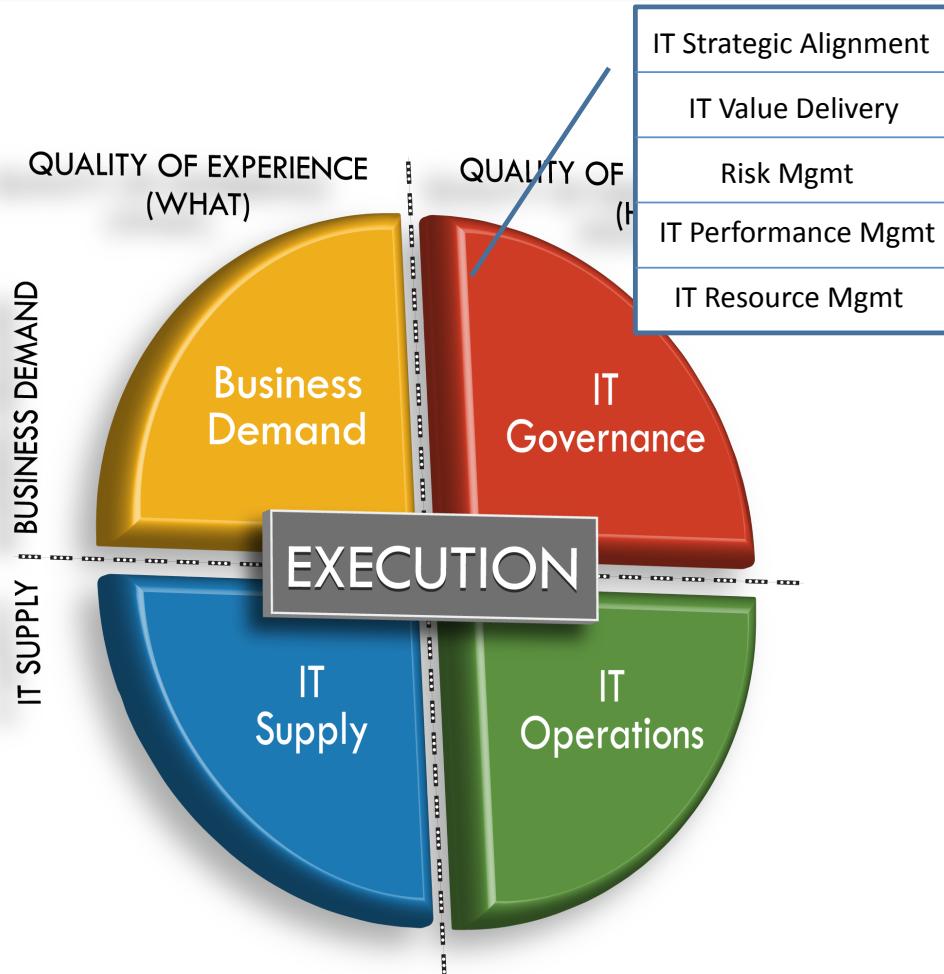
- Illustrate Operational Model
- Highlight Major Operational Policies
- Summarize Operational Maturity
- Show Capability Improvement Roadmap

Objectives:

- Framework for how to Add, Change & Modify IT
- Policies for Just-in-time allocation of IT resources based on business calendar and priorities
- Discipline of measuring opportunity costs and tradeoffs based on Best-Fit Profile

IT Governance

Sustaining delivery of IT in a clear and auditable living manner



Dimension Purpose:

- How IT is Accountable to the Business

Blueprint Goals:

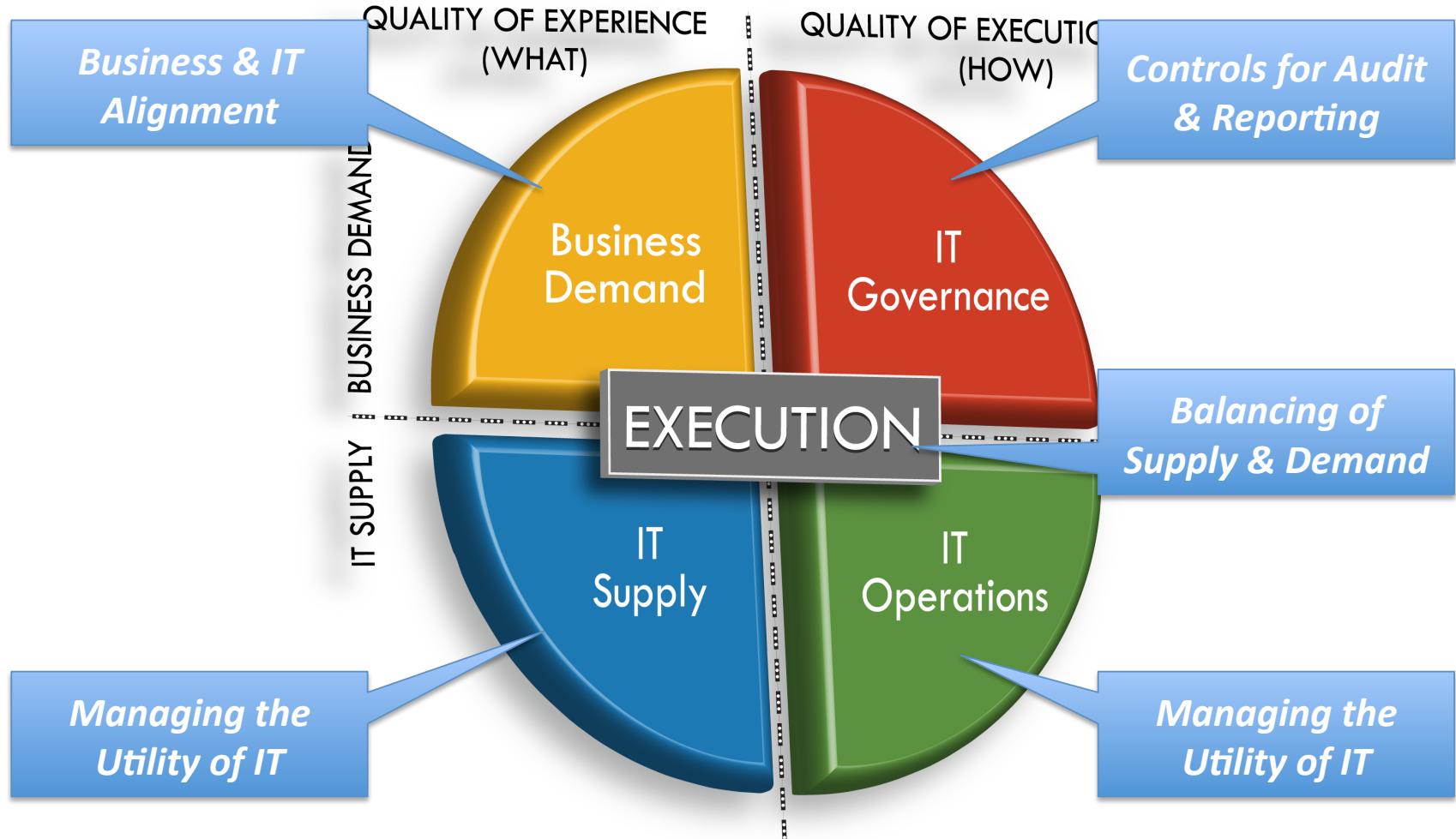
- Identify Asset Allocation
- Measurements for Service Level Achievement
- Risk Management policies and guidance
- Economic Model Allocation

Objectives:

- Establish Governance practices based on recognized IT Governance Framework
- Continuous Alignment process for IT and Business
- Monitoring & Audit Capabilities for solution checks & balances

Blueprint Anatomy 101

Anatomy lessons summarized





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