Internal Analysis & Target-Based Planning

A Framework for Platform Development

December 24, 2024

Overview

Part I: Internal Analysis

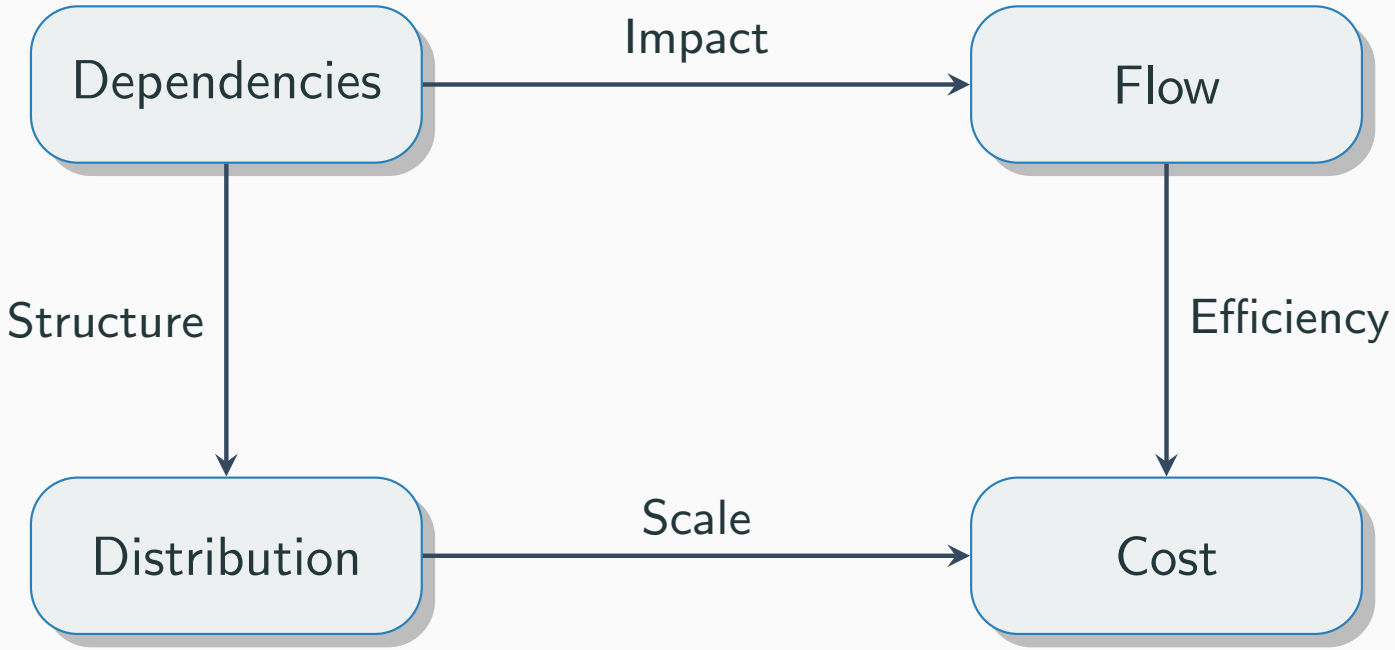
- Team Dependencies
- Flow Efficiency
- Distribution Models
- Cost Analysis

Part II: Target-Based Planning

- Platform Solutions
- Investment Analysis
- Scenario Planning
- Optimization Strategy

Part I: Internal Analysis

Dependency Analysis Framework

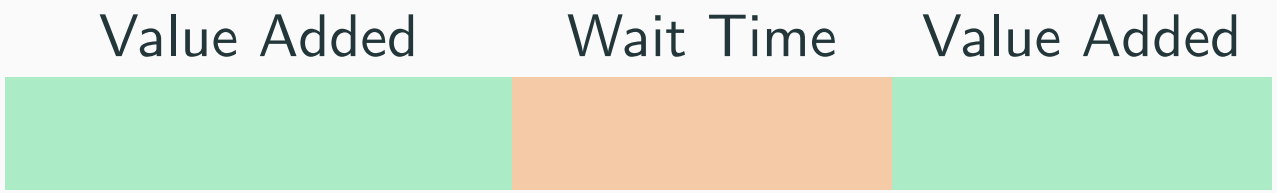


Dependency Impact Score

$$DIS = \sum (W_i \times D_i \times C_i)$$

- W_i: Volume weight
- D_i: Strength (1-5)
- C_i: Cost factor

Flow Efficiency Model

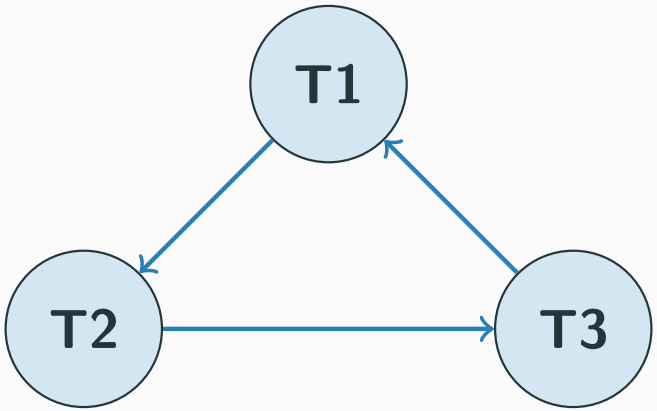


$$FE = \frac{\sum \text{Value Added Time}}{\sum \text{Total Lead Time}} \times 100\%$$

- Target: FE $\geq 40\%$
- Identifies process waste
- Guides optimization efforts

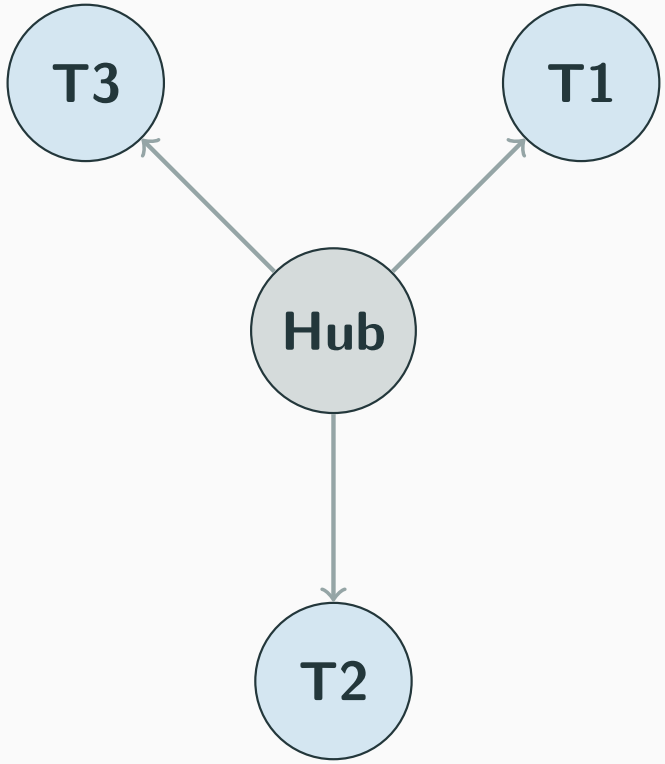
Distribution Models

Even Distribution



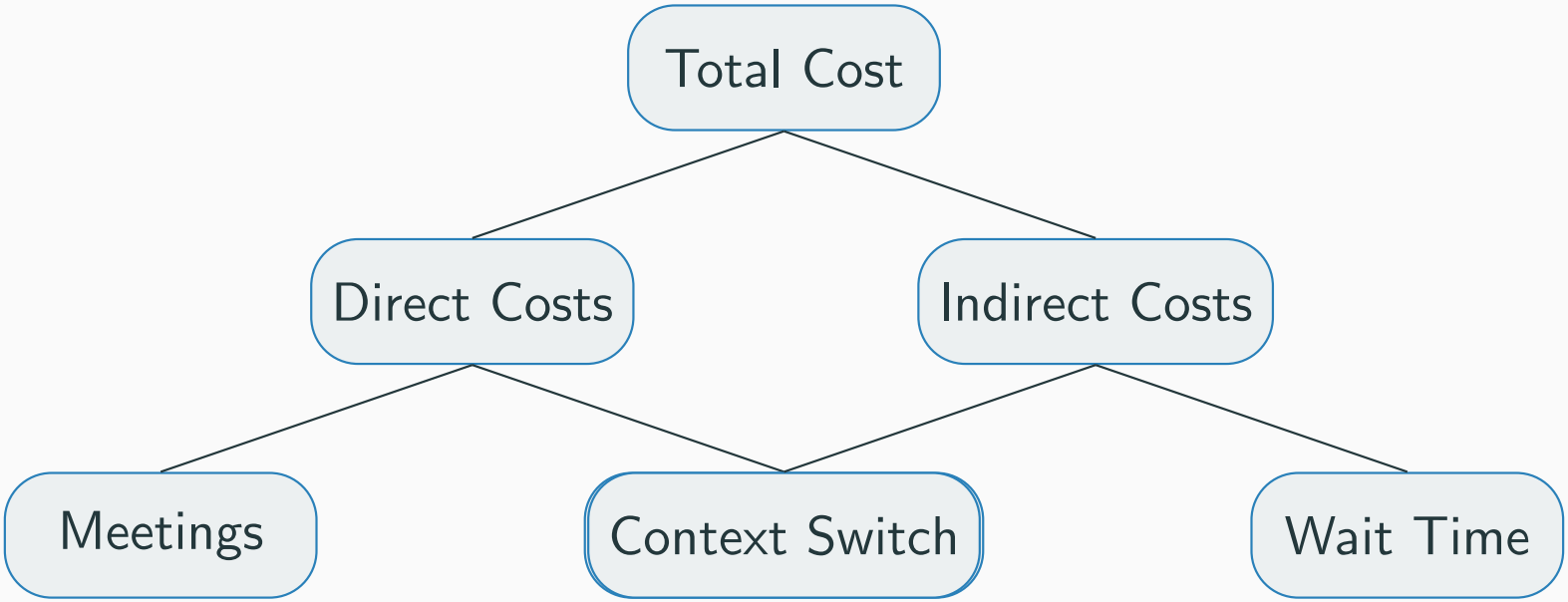
- Equal responsibilities
- Direct communication
- Balanced load

Hub and Spoke



- Centralized control
- Streamlined flow
- Clear hierarchy

Cost Structure

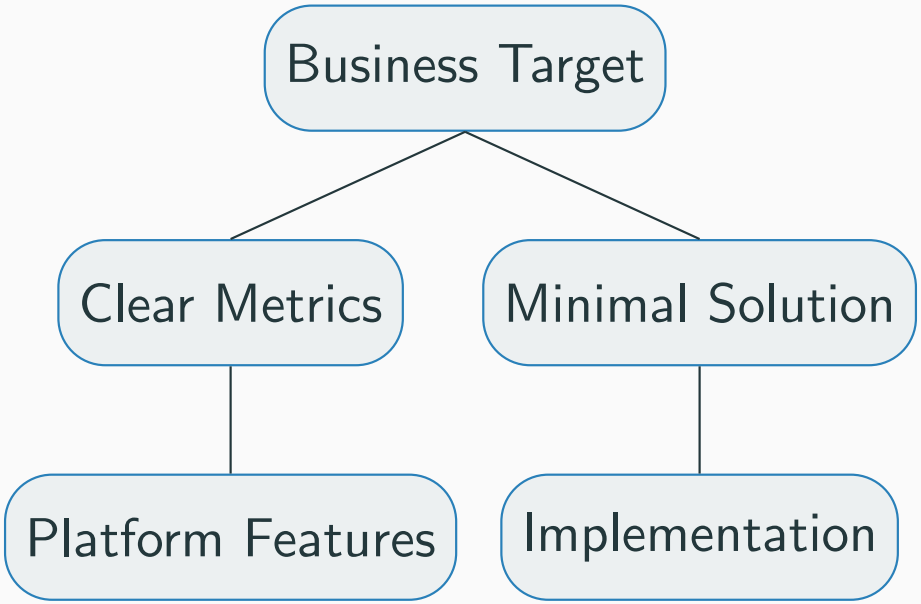


$$AC = BC \times (1 + DF)$$

where $DF = \text{deps} \times 0.15$

Part II: Target-Based Planning

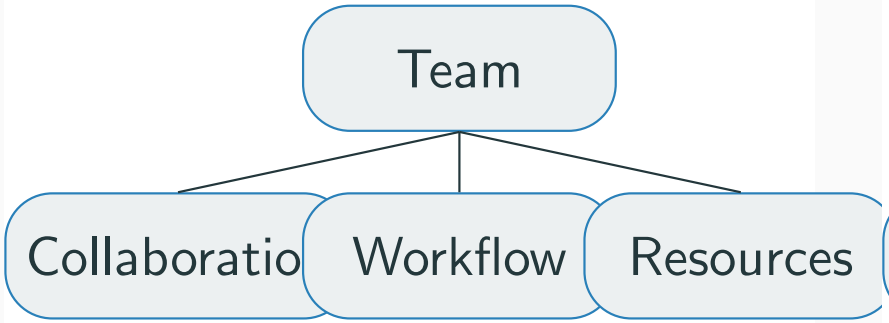
Target-Based Approach



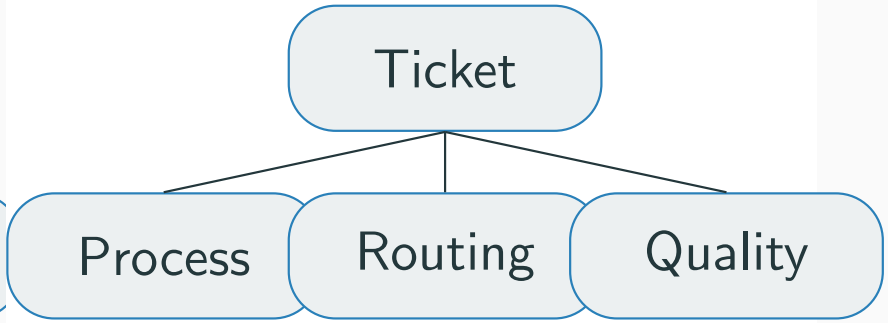
- Start with business outcomes
- Define clear metrics
- Design minimal features
- Implement iteratively

Platform Solutions

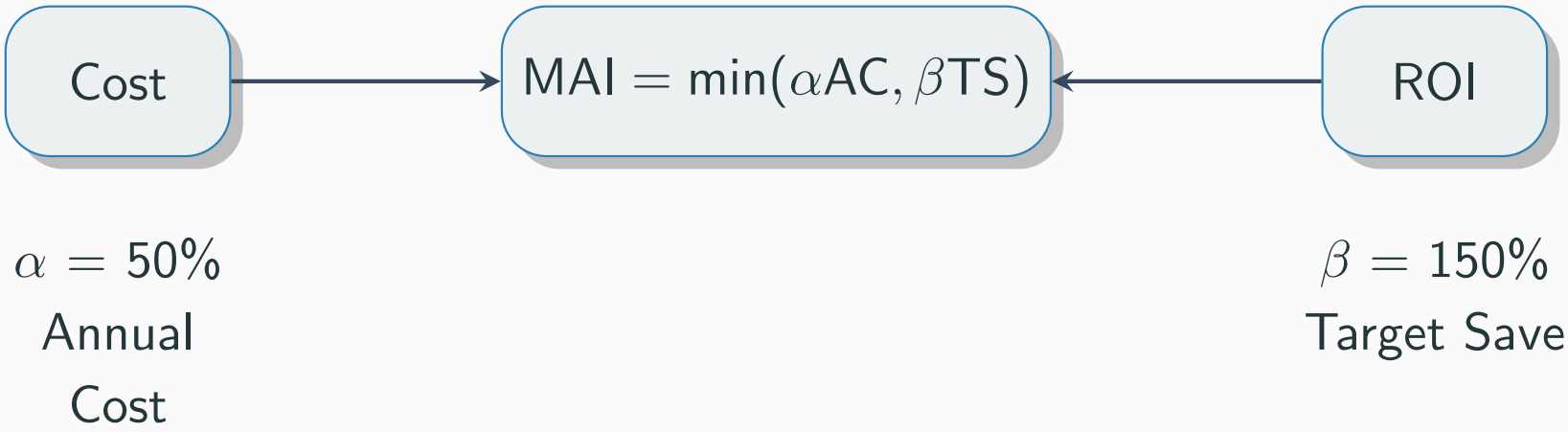
Team-Based Platform



Ticket-Based Platform

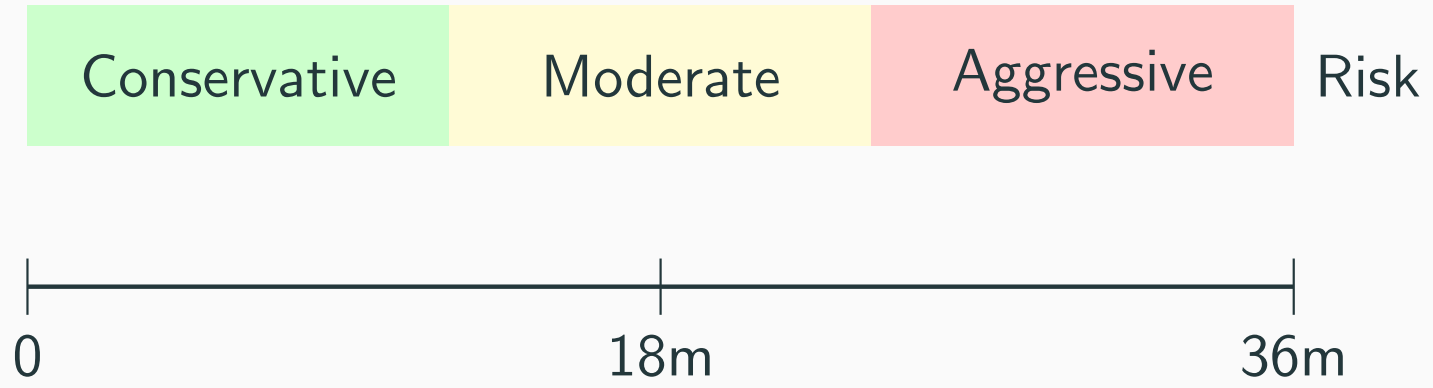


Investment Analysis



- MAI: Maximum Allowable Investment
- AC: Annual Cost
- TS: Target Savings

Scenario Analysis



- Time: -10%
- Quality: $+15\%$
- ROI: 24m

- Time: -20%
- Quality: $+25\%$
- ROI: 18m

- Time: -30%
- Quality: $+35\%$
- ROI: 12m

Conclusion

Key Takeaways

Benefits

- Data-driven decisions
- Clear metrics
- Risk management
- Adaptable approach

Next Steps

- Choose platform type
- Set specific targets
- Design minimal solution
- Measure outcomes