```
                  ┌─ ─ ─ ─ ─ ─ ─ ─ ─┐   ┌─ ─ ─ ─ ─ ─ ─ ─┐   ┌─────────────────┐
                  │ Business Aspects │   │   Technical   │   │  Business and   │
                  └─ ─ ─ ─ ─ ─ ─ ─ ─┘   │    Aspects    │   │   Technical     │
                                        └─ ─ ─ ─ ─ ─ ─ ─┘   └─────────────────┘
```

Legend:
- Business Aspects
- Technical Aspects
- Business and Technical

Flow:

Interest on Microservices →
- Create Engagement
- Check feasibility

Create Engagement / Check feasibility →
- Organizational and Operational Restructuring
- Design & Develop MSA
- Set-up DevOps

Organizational and Operational Restructuring / Design & Develop MSA / Set-up DevOps → Actual Designs

Is a migration towards microservices an endeavour that the organization wants to pursue?

Initial interest with MSA

What is the potential of Microservices in an organization?

practical exploration → Experiment with Technologies

What kind of technologies/ tools will enable this potential?

Assess needed existing technologies

Assess existing technologies

Assess new technologies

practical exploration → Create PoC system

theoretical exploration → Utilize BPs and experience

What is the value in terms of Effectiveness?

Customer-driven → Conduct Questionnaires

Design-driven → Design new value propositions

What is the value in terms of Efficiency?

Process-based → Estimate DevOps improvements

Product-based → Estimate quality improvements

Business-based → Estimate management improvements

Are microservices the right direction?

Engage with a migration → Start with migration

Carry on with monolith → Microservices is unsuitable for the specific case

Based on Infrastructure

Based on current Cloud capabilities

Front-end Framework

MS development Framework

Containers

Orchestration Tool

Technical Overhead → Repositories

Technical Overhead → Automated testing

Technical Overhead → Staging server / Kubernetes

Event Management (Kafka)

APIs Communication (springboot)

Dev estimations
trade-offs
Capabilities
Costs
Business Value

Internal Stakeholders
External Stakeholders
Comprehending Business/domain Logic
Discussing old ways and attributes
Comprehending recommended practices

Exploring Potentials of tech

Initial touch with MSA

Define Business Requirements for Migration

Chose modes of initiating / learning

Experiment with Technologies

Identify Technology Stack alternatives

Measure alternatives

Business and Technical Efficiencies identification

Business & Technical Effectiveness improvements

Deliberate Business Case for Migration

Migration Process

practical → Experiment with Technologies

practical → Create PoC system

theoretical → Utilize BPs and experience

```
Initial touch with MSA → Business Requirements for Migration
Business Requirements for Migration → Business Proposal
Business Requirements for Migration → Technical Proposal

Exploring Potentials of tech:
    Mode of initiating
        practical → Experimentation with Technologies
        → PoC system
        theoretical → Utilize BPs and knowledge

→ Business and Technical Efficiencies identification
→ Business & Technical Effectiveness improvements
→ Business Case for Migration → Migration Process
```

Decision-making

Decision-making process

Best Practices
- Deviations
- Alignment

Evaluating Technologies
- Experimenting
- PoC

Deliberation
- Internal Stakeholders
- External Stakeholders (i.e. Customer)

Actual Decisions
- Databases Structural changes (e.g. shared?)
- Frontend upgrades
- Libraries Organization (e.g. shared?)
- Reusing from old system (e.g. code, design?)
- Setting split/merge criteria for prioritization

Drivers & Motivators

Order of Migration
- Lessons Learned