



# MAINFRAME MODERNIZATION ON MICROSOFT AZURE





## FPT SOFTWARE PROVIDES LEADING-EDGE ADVANTAGES

**FPT Software has unequalled tools, talent, and expertise to help you migrate safely, on-time, and on-budget.**

Microsoft and FPT Software have partnered to provide the best App Modernization approach to develop and deliver business solutions with measurable value, deterministic results, enabled by top talent, and powered by innovative tools that analyze the complexity of your application.

FPT has 32,000+ experienced tech resources to help migration to future state technologies, with deep understanding of target technologies and systems, including SaaS products and multi-cloud or hybrid implementations. We provide 360-degree application portfolio visibility including code complexity, process mining, reverse engineering, integration dependencies. This provides comprehensive actionable insights leveraging in-house and 3rd party developed tools to create a roadmap for the execution. This enables FPT to exercise its proven approach to application rationalization to improve efficiency.





# FPT'S COMPREHENSIVE MAINFRAME MODERNIZATION SERVICES

**FPT provides distinctive Mainframe Modernization services and solutions.**

With 20+ years modernization/ migration experience, FPT's expertise across full lifecycle modernization experience including legacy skillsets –COBOL, PL1, RPG, Assembly, etc.

FPT's dedicated Mainframe and cloud programs curate high quality Modernization talent and are hiring additional mainframe resources to help the migration effort. These resources can help support immediate needs to maintain current systems during migration.

**20+**

years modernization/  
migration experience

**3**

FPT Modernization R&D  
center across the world

**1000+**

Modernization projects delivered  
successfully in several domains

**1300+**

COBOL, RPG, and mainframe experts,  
additional 1000 more coming online



### 1. IT & Application Modernization Strategy

A comprehensive package designed to aid in formulating and executing an IT and application modernization strategy. It focuses on developing a relevant roadmap and tackling the key challenges and motivations behind modernization efforts.

### 4. Cloud Modernization Factory

Utilizes a factory/strangler model for large-scale cloud application migration and modernization. This includes transferring assets to hybrid and multi-cloud environments and re-architecting applications into microservices or composable models for improved performance and scalability.

### 2. Migration & Modernization Assessment & Design

Offers thorough assessment and design services for large-scale migration and modernization projects. This includes cloud readiness evaluations for legacy systems (like mainframes) and applications, along with business process analysis to establish both current and future architecture and planning.

### 5. Infrastructure Automation & DevOps

Supports the assessment, design, and implementation of cloud infrastructure using an “as Code” model and automation. This includes Infrastructure as Code and the design and automation of Landing Zones, optimizing infrastructure deployment and management.

### 3. Legacy Modernization Factory

A structured approach to modernize legacy systems, including mainframes. This service encompasses application re-engineering, transitioning away from legacy languages (like COBOL), and includes integration and testing. Automation tools are utilized to mitigate risks and enhance the efficiency of the modernization process.

### 6. Infrastructure Operations

Provides support for cloud infrastructure operations in an organization, employing advanced operational models like FinOps, CloudOps, AIOps, and SecOps. This service ensures efficient and secure management of cloud infrastructure operations.



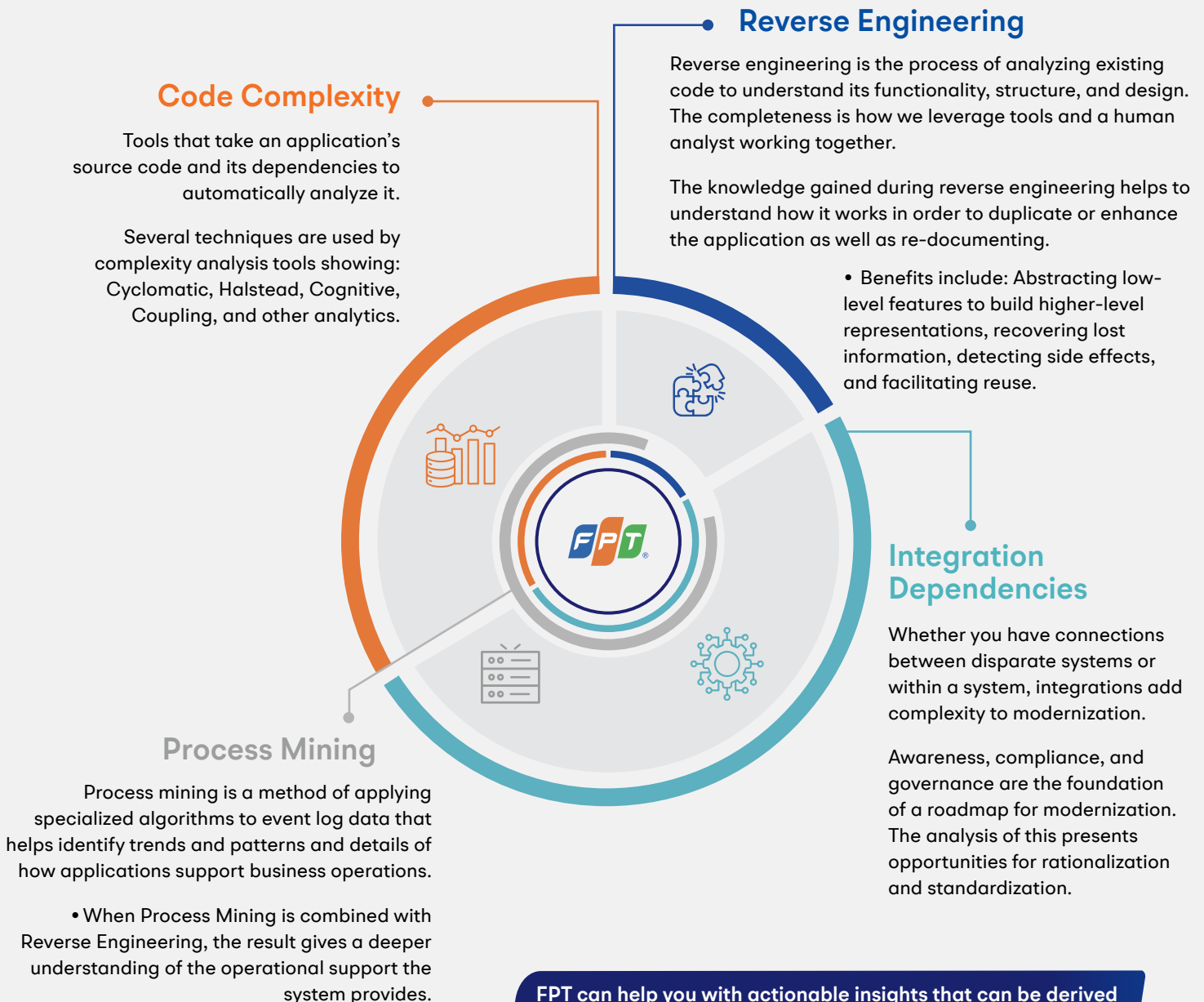


# TOOLS AND AUTOMATION

FPT provides 360-degree application portfolio service offerings including code complexity, process mining, reverse engineering, and integration dependencies.

Comprehensive actionable insights leveraging in-house and 3rd party developed tools help create the most accurate insight for the best modernization execution. This helps refine the process and roadmap for successful modernization. It is a proven approach to accurately estimate cost, timeframe, and equally important what approach to modernization best fit business goals. The insights enable comparing migration scenarios that can also realize application rationalization to improve efficiency.

- FPT’s AI-driven RE tools that automatically extract functionality from code and data sources.
- A successful combination between RE savvy talent leveraging distinctive FPT dedicated RE tools.
- Automatically discover a process map or your “as-is” business processes to define as-is & what-if simulation scenarios on top of models and simulate them to assess the impact of potential changes.



FPT can help you with actionable insights that can be derived from your applications and data.

# OUR PROCESS

## Clear Vision and Deterministic Planning

FPT will adapt its process to target the desired outcome to any engagement. We leverage our tools and talent in the way to have the clearest understanding of the challenges and opportunities that exist with any legacy technology. An example process that is typically used will take a number of factors into consideration that are present from the start or discovered via our tool set.

### Phase 1 Migration Readiness Enablement:

- Project readiness & administration
- Define the Cloud Factory Framework
- Study AS-IS architecture landscape
- Understand Landing zone and Security standards
- Develop application & system assessment report based on system stability, criticality, business complexity, technology complexity
- Develop rules and process to define APIs and setup the foundation of microservices
- Develop migration path & necessary tools for migration
- Divide & group system and applications in batch & wave by dependency (business & technology)
- Define Operational Team Structure with roles/ responsibilities, Communication Plan and Change Management Plan.
- Set up SME team (including FPT and customers)

### Phase 2 Mass Migration Planning:

- Develop detailed migration plan for each batch based on the system & application assessment report of Phase
- Develop core team & ramp up plan
- Select 10 application for PoC to evaluate cloud factory, microservices design, migration patterns, migration tools
- Execute and fine-tune factory, migration patterns, migration tools
- Access potential impact of migration on TCO
- Build migration roadmap (plan and scope)



### Phase 3 Large Scale Migration:

- Identify number of applications to be migrated to Azure landing zone by phase/wave
- Detail design migration solution for wave and sign-off
- Lesson learned & fine-tuning factory, migration patterns, migration tools
- Re-adjust the operating model of cloud migration team
- Review and update application portfolio
- Review and sign-off design documents
- Prepare all dependencies for migration (license, infra, data, source code, etc.)
- Baseline application's data
- Migrate application and data
- Perform testing and support UAT
- Perform cutover
- Train end-users and application operator
- Handover to operation team and cut over after successful migration

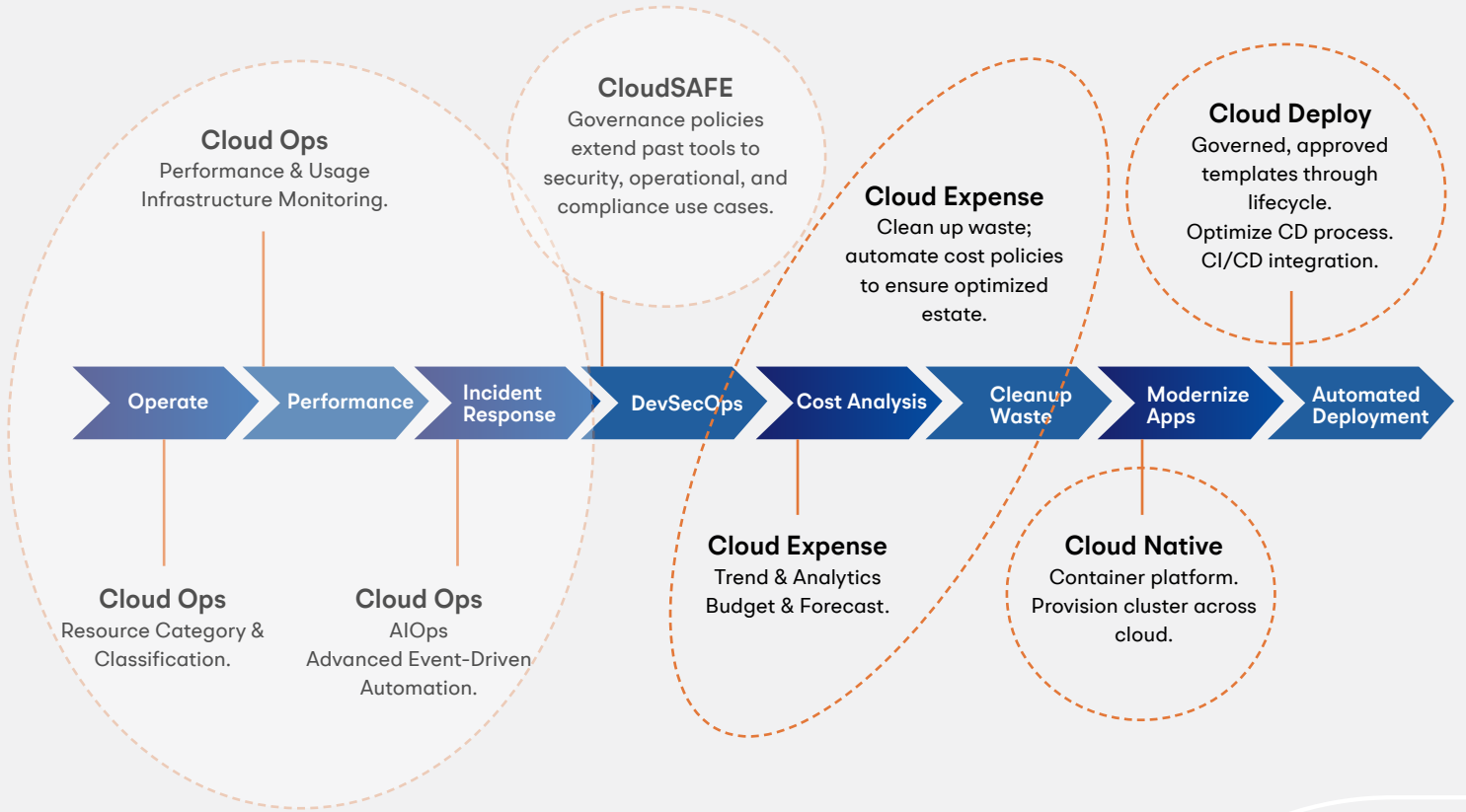
### Phase 4 Multi-IT Transformation:

- Enable multi-speed IT through a refreshed operating model
- Maintain cadence and relationship with key business function to help ensure business alignment

FPT will also look for opportunities to improve the overall system as part of our process. This will include identifying opportunities for cost optimization, maintainability, business agility, and more.



# FPT Cloud Suite - Optimization to Automation





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## AVOID PITFALLS

With our experience we have you to avoid common pitfalls of

- Hybrid cloud integration complexity.
- Costly and time-consuming migration
- Anticipated cost savings don't materialize
- Vendor lock-in
- Data security and privacy
- Compliance and regulatory risks



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## BUSINESS AGILITY

With our best practice we have you to shorten time to market

- **3x** times faster to find relevant biz cases.
- **5x** times faster on development.
- **25-40%** faster on development.
- **15-30%** cheaper of implementation cost.



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## COST BENEFITS

With our optimization framework and experts, we have you to achieve cost benefits

- **10-25%** Cloud TCO optimization.
- Reduce **30-60%** Common Pitfalls.
- Low-cost data storage for archiving.

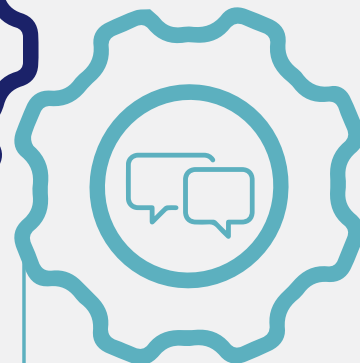


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## SERVICE QUALITY

With our well-architecture framework (business / people/ technology), we have you to have better service quality

- Improve **10-30%** of Service Quality.
- Reduce security risk **20-30%**
- Improve operation efficiency **20-30%**
- Looking holistically at the business/ people and technology point of view.





# WHY MODERNIZE WITH FPT?

## Talent – Tools - Expertise

FPT is a recognized leader in mainframe modernization, offering deep expertise, proven methodologies, tools, and end-to-end solutions designed to address the unique challenges of modern enterprises. Leveraging our extensive experience in both mainframe and cloud environments, we facilitate seamless, secure, and cost-effective migrations to Microsoft Azure, ensuring that businesses can harness the power of cloud computing without compromising on performance or security.

### Advance Specialization:

- AI and Machine Learning on Microsoft Azure
- Build Modernize AI Apps with Microsoft Azure
- Cloud Security
- Infra and Database Migration to Microsoft Azure
- Kubernetes on Microsoft Azure

### Resources:

- **1,500** Microsoft experts
- **3,000** Microsoft Certifications
- **1,000+** Data Professionals

### Solution Partner:

- Data & AI
- Digital & App Innovation
- Infrastructure
- Security
- Business Applications

### A Distinctive Set of Tools:

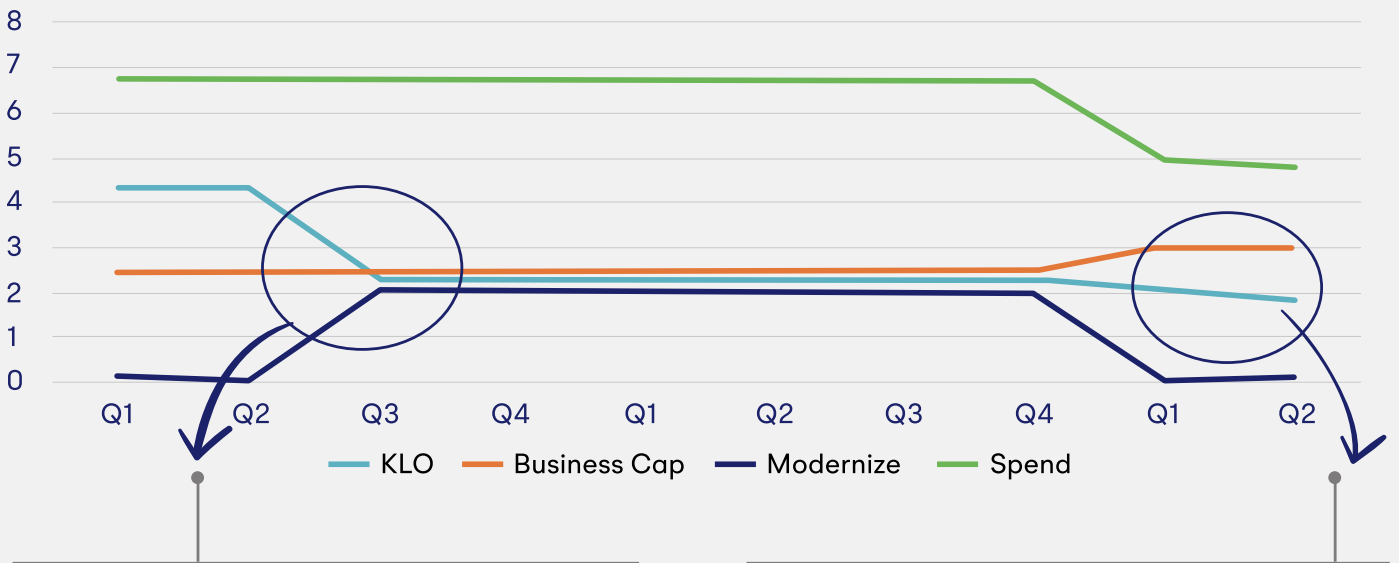
- A variety of dedicated analysis tools
- Automated migration tools
- Tools to assist the migration process



## Partnering with FPT to Achieve your Business Outcomes

FPT will partner with you to help you achieve your goals. We will provide the flexibility by using the required tool/approach to help align whether it is an accelerated timeline, cost reduction, or a hybrid approach. This is a pragmatic approach to achieve ROI benefits with business capability.

### Primary Goal: Quickest to Reduce Spend



- Streamline the Environment
- Begin modernization
- Being to leverage AMS

- Leverage Cloud Optimization
- Rationalization & Efficiency
- Lowered overall spend
- Avoiding further technical debt