Application Migration & Modernization

Digital Transformation (DX) Global Division



About FPT Software



Recognition & Partnerships

- Top provider in Asia/Pacific by Gartner *
- Enterprise-grade End-to-End Services
- Expert in Cloud Migration using Agile Methodology
- Ever Growing & Evolving Cloud Innovation
- 1000+ Certified Cloud Engineers
- Partnership with Azure, AWS, GCP

Top **Professional** Service **Provider**

Proven
Approach &
Methodology

Technology Platform to Realize

Digital Kaizen & DX Garage

- Success with F500 companies
- Focus on Agility and Critical Missions
- 1000+ Projects with 100+ Customers in 30 countries
- Centralized DX Group & Cloud CoE

FPT Cloud Suite & DX Platform

- Minimum Business Infrastructure
- 50+ Reference Solutions in Digital Labs
- Cloud Operation & Optimization
- Security Compliance & Threat Protection
- Cloud-base Data Platform
- Multi-cloud Ready (AWS, Azure, GCP)

* Market Guide for Public Cloud Managed and Professional Services Providers, Asia/Pacific (Published 11 Oct 2020 - ID G00728308)

Values We Can Bring





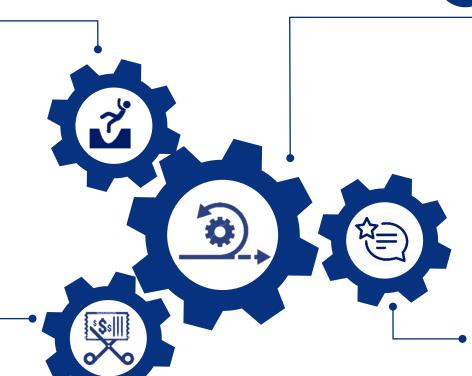
With our experience we have you to avoid common pitfall of

- 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

3 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



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 prepare environment
- **25-40%** faster on development
- **15-30%** cheaper of implementation cost

2 Service Quality

With our well-architecture framework, we have you to have better service quality

- Improve **10-30%** of Service Quality
- Reduce security risk 20%-30%
- Improve operation efficiency 20-30%

Microsoft Partnership



Microsoft Partner



- Gold Application Development
- Gold Application Integration
- Gold Enterprise Resource Planning
- Gold DevOps
- Gold Cloud Platform
- Gold Data Analytics
- Silver Collaboration and Content
- Silver Security



10+ Years Partnership



1500+
Experienced
Engineers



Microsoft Most Valuable Professionals



300+
Microsoft
Certificated
Engineers

2006

 Completed first largescale (13000 DBs)
 Notes migration project 2008 - 2010

- SharePoint Development and Planning Service Gold Partner
- Set up Global Notes Complete Division

2015 - 2016

- Gold Application Development
- Gold Collaboration & Content
- Gold Devices & Deployment
- Silver Cloud Platform

2017 - present

- Gold Windows and Devices
- Gold Enterprise Resources
 Planning
- Gold Cloud Platform
- Gold Data Analytics

Application Migration & Modernization



Extend, migrate, modernize your workloads to Azure cloud environments in a highly speedy manner with guaranteed quality. Services enable you to build highly scalable and resilient applications that can take advantage of all the benefits of Microsoft's Azure cloud services

- A comprehensive approach to the modernization of applications, data and infrastructure, at scale, to Azure, targeting on-premises applications and databases
- Drive innovation by enabling cloud capabilities at scale with Azure Platform as a Service (PaaS)
- Remove capital expenditures and reduce operational cost and pay only for what you use
- Improved security to protect data and company assets

Cloud Transformation Approach

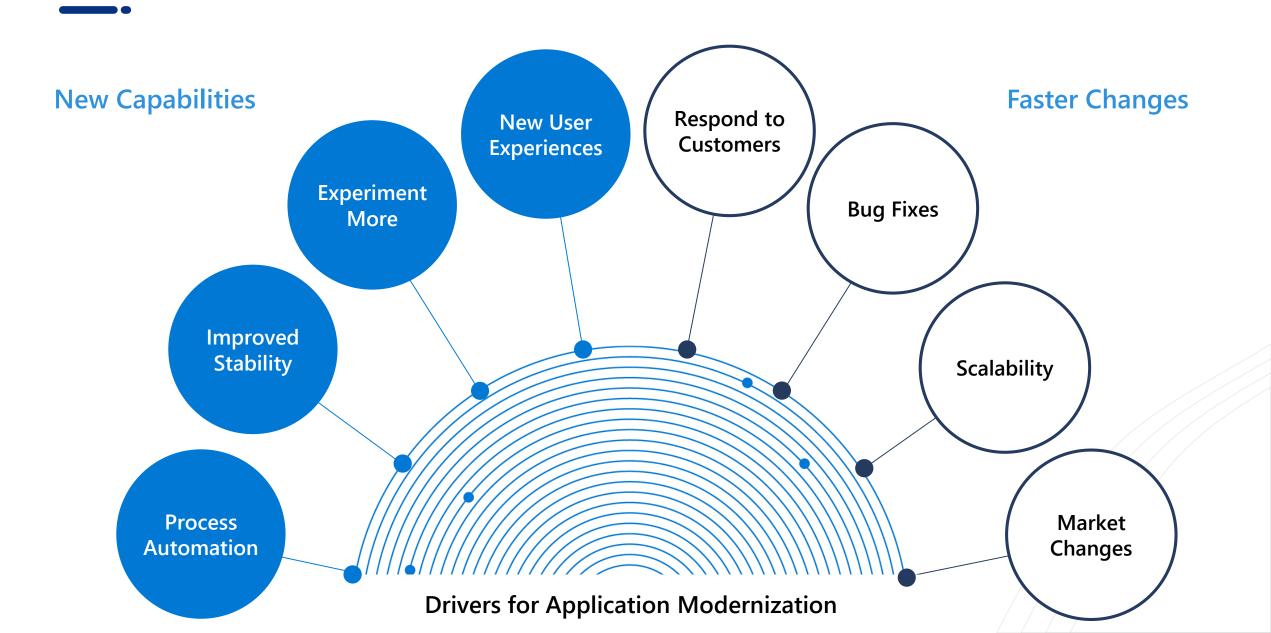


Application	on				
Data	Clou Migra	Cloud Migration		Cloud lodernization	\bigcirc
IIIIIastructo	Re-host	Refactor	Re-architect	Rebuild	Replace
Description	Redeploy as-is to cloud	Minimally alter to better advantage of	-	New code written with Cloud-Native approach	Discard existing apps & use commercial software
Business Drivers	Free up datacenter	 Faster, smaller upon Code portability Greater cloud efficience (resources, speed, 	• Easier adoption of new cloud capabilities/	cost	 Standardizing around industry best practices Accelerating adoption of business process-driven approaches Reallocating development investments
Core Technologies	IaaS Containers PaaS IaaS		Serverless M*-services		SaaS
Business Results	laaS: 435% ROI, 73% reduced IT outsourcing	3% Containe	66% ROI, 80% time saved, 5.91M Ner: 13x more releases, 10x cost redu		onboarding, 62% better availability.

^{*} Gartner - Developing a Public Cloud Adoption and Migration Framework, March 2017

Drivers for Application Modernization





Our Services



Cloud Discovery

- Consulting and Advisory Services
- Cloud Discovery & Assessment
- Cloud Strategy & Roadmap

Application Migration

- Workload (App, Data, Infra) Lift & Shift to Azure
- SharePoint Migration
- AIX Workloads Migration to Azure
- Automation & Optimization
- DevOps/CICD

Application Modernization

- Databases (SQL Server, Oracle, MySQL, DB2, Sybase)
 Transformation to Azure SQL
 Database or Azure Managed
 Instances
- Application Modernization using Azure AKS
- File Servers Modernization using Azure File Shares
- Legacy System Transformation (to M*-Services)
- Cloud Native Implementation
- Containerization

Operation & Optimization

- 24/7 Monitoring & Infra Bug Fixing
- Cost Management & Optimization
- BCP & Disaster Recovery
- Security Assurance

Cloud Suite & Digital Platform

Security Standards









Cloud Discovery



Discovery

Analysis & Assessment

Solution & Plan

Understand

- Vision & Motivations
- Expected Business Outcomes
- Technology Challenges, Pain Points
- Organization Skills, Process
- · Current State (App, Data, Infra Inventory, Security, Operational Requirements)

Analyze

- Current State Modelling
- Workload Dependency
- Workload Criticality
- Business Impacts
- Gap Analysis

Design

- High Level Target System Architecture on Cloud
- Business Cases
- Workload Transformation Groups

Identify

- Priority Business Cases
- Priority Transformation Workload Groups
- Cloud Transformation Approach (Retain, Rehost, Refactor, Rearchitect, Rebuild, Replace)

Establish

- Pilot Business Cases & Transformation Workloads
- Cloud Transformation Strategy & Roadmap

Plan & Organize

- Cloud Transformation Plan
- Project Organization
- Project Governance
- High Level TCO









DECISION GATES

Review - Adjust - Align - Consent

Tools & Frameworks





Service



SQL Scripts







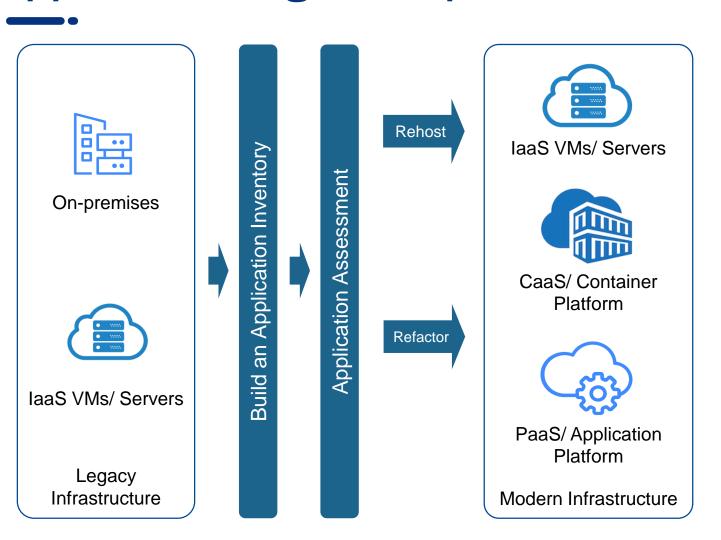






Application Migration | Lift & Shift + Optimization





Subscription Fee

> Operation Fee

Fee Types

- Cloud Subscription
- Software License

Layers

- Virtual Network
- OS
- Middleware
- Runtime
- Application
- Data
- Security

Activities

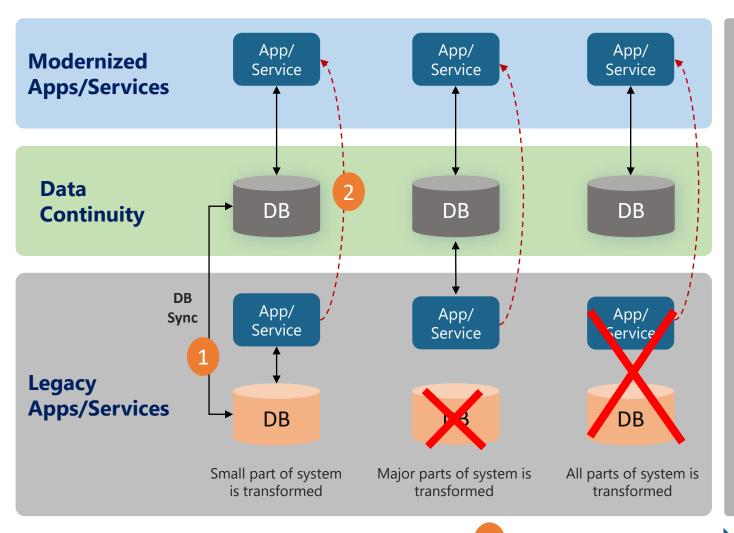
- Deployment
- Scaling
- Upgrading
- Patching
- Monitoring
- Backup & BCP

Lift & Shift: Little or No-code Re-write, but better option for Hosting/Deployment

Optimize: Reduce TCO by Automation & Shared Responsibility Model

Application Modernization





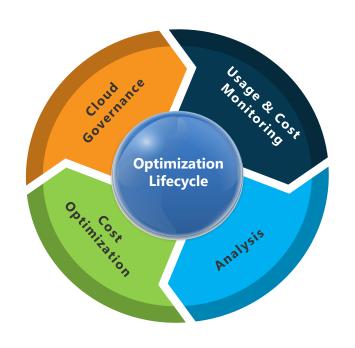
- Migrate legacy Databases → Modern Databases on Cloud
- Migrate Apps/ Services → M*service Architecture on Cloud (leverage Container-based technology)
- Keep (or rebuild, less potential to rebuild because of user changing management) frontend layer

Legacy UI/UX

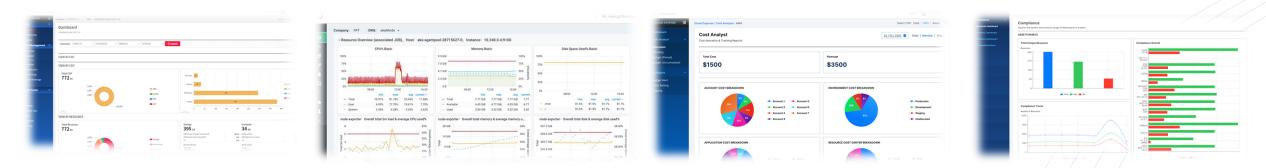
Step-by-step migrate instead of big bang migration → keep modern architecture (including DB) co-existing with legacy architect

Operation & Optimization





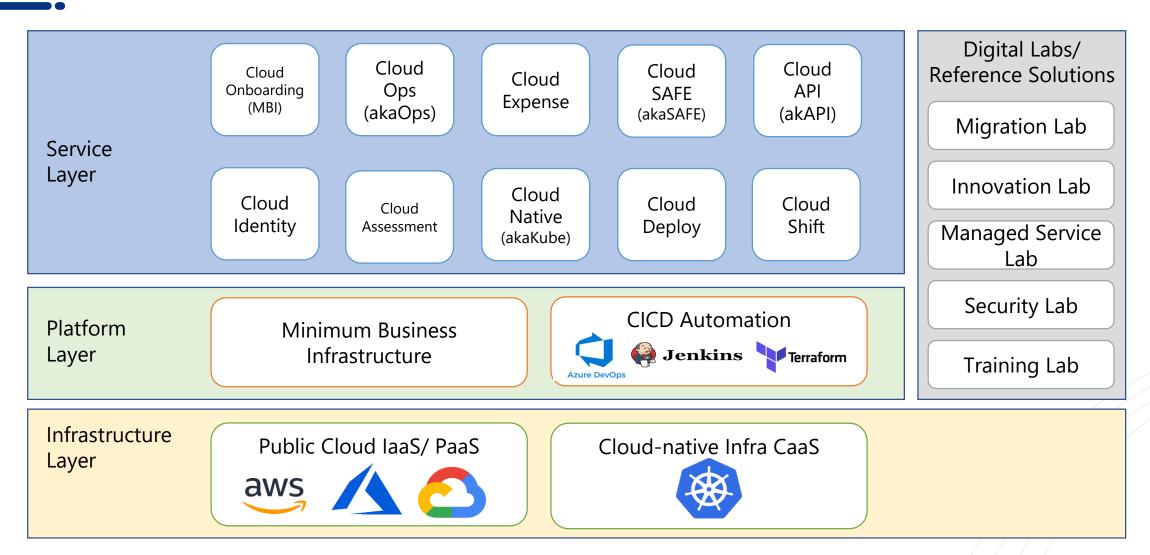
- Automated Monitoring Services
- Automated Cloud Resource Billing & Analysis
- Cyber Security Integration
- Automated Workload Scaling & Backups
- Data-driven & Cost-based with 13 Practices for Optimization
- Mutable (laaS) & Immutable (CaaS/PaaS) Infrastructure Ready



FTP Cloud Suite – End-to-End Solution for Operation & Optimization

Cloud Suite & Digital Platform





FPT Cloud Suite is tool suite to help you accelerate your Cloud adoption and help you to manage and optimize your Cloud infrastructure in properly way.

Thank you.

FPT Digital Kaizen TM

