Microsoft Practice Overview – App Modernization

Equipping the Enterprise for Digital Success

Practice Offerings - Huco

Microsoft
Partner

Gold Application Integration
Gold DevOps
Gold Application Development

Microsoft

huco

Industry: Application Modernization for Digital Success

In today's always-on digital world, enterprises need a fast, efficient and extensible IT foundation that reduces complexity, enhances agility, is easy to manage and enables more resilient and protected ways of working. While many companies are aware of their need to change, few understand what it takes to transform their IT applications to meet the challenges of the new, digital age

CHALLENGES

- Enterprises feel pressure to provide compelling digital experiences for their customers in order to grow revenues
- it's difficult to innovate at pace and scale
- Enterprises want to take full advantage of the innovations that are coming from rapidly growing and increasingly competitive Microsoft Azure landscape

IDEAL SOLUTION

- Simplification unlocks value by creating a more efficient digital backbone, reducing the cost of providing current IT services
- Modernization introduces newer (Cloud-enabled & Cloud native) architectures and replaces point to-point interfaces between siloed systems
- Secured cloud native environment

DESIRED OUTCOMES

- Greater agility with reduced time-to-market for business
- IT as a disruptor to business in a digital economy
- New age technologies ensure agility to respond to business needs
- Enhanced user experience & delight

huco

Our Accelerators for Transformation

InnovApp for roadmap

An end to end Application Modernization framework addressing the "why, what, when, how and where" of application modernization to ensure a thorough, effective and digital transformation.

ModOps for Enterprise DevOps Toolchain

Modern DevOps framework for addressing toolchain requirements for modern applications.

In2tive Ozone for Intelligent Application Delivery

Ozone is a Microservice oriented CI/CD solution which automates modern applications deployment, manages multi-cloud Kubernetes platforms, manage compliance & governance across the estate.
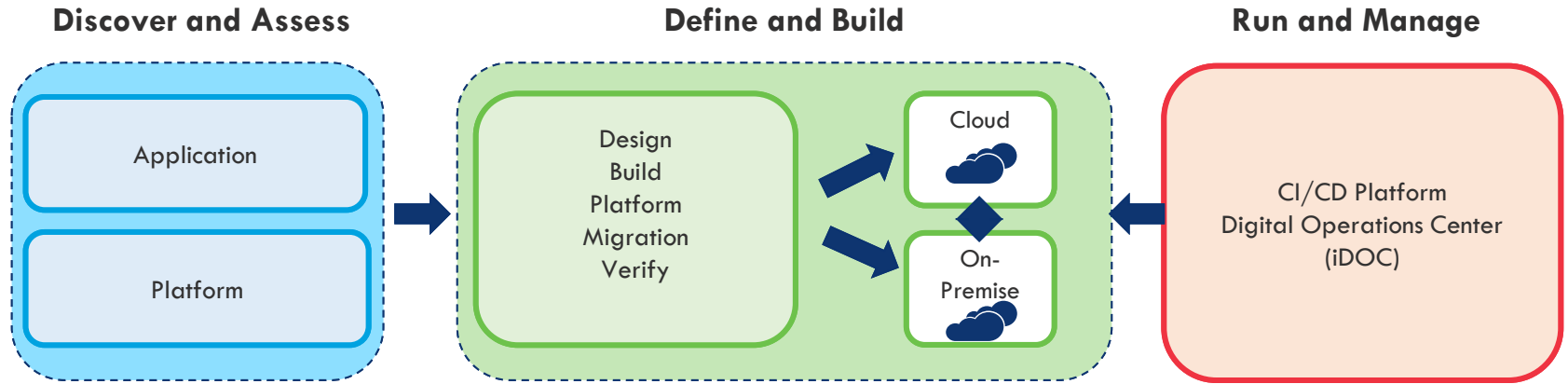
iDOC continuous adoption

iDOC is a shared managed services offering provides Day 2 support for niche technologies like Kubernetes, Cloud, DevOps etc.

huco

InnovApp Framework

Huco's framework for Application Modernization covering discovery, design, build and manage phases

Discover and Assess

Application

Platform

Define and Build

Design
Build
Platform
Migration
Verify

Cloud

On-Premise

Run and Manage

CI/CD Platform
Digital Operations Center
(iDOC)

Services and Tools

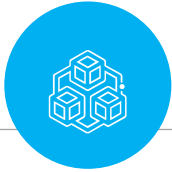| Dependency Mapping | R-Lane and 12 Factor | Containers | DevOps (CI/CD) Tool-chain | Kubernetes | Continuous Delivery | Continuous Adoption |

huco

DevOps and Cloud Native Services

Transformational services

New ways of working

- Center of Excellence Design and Setup
- Cloud Native Security in DevOps
- Target Operating Model Design (Tools)
- Modern application vision

Designing the Future State

- Agile DevOps Readiness and Maturity Assessments
- Capturing disruptive insights and creating the future vision
- Business Case and Roadmap Design
- Modern applications and infrastructure
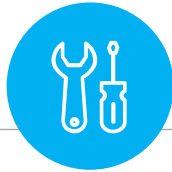
Tooling and Automation

- DevOps Tooling and Automation Assessments
- Deployment Pipeline Simulation, POCs and Implementation
- CI-CD/DevOps Automation
- Continuous Delivery as a Services for modern application delivery
- Kubernetes and Serverless

Architecture Consulting

- App Modernization Readiness and Maturity Assessments
- Containerization and Microservices Implementation
- Application Portfolio Rationalization
- Target operating model for Modern infrastructure

Service Improvements

- Integrated Program management
- Robust post implementation support
- iDOC – Shared managed services for DevOps tools through qualified SRE's
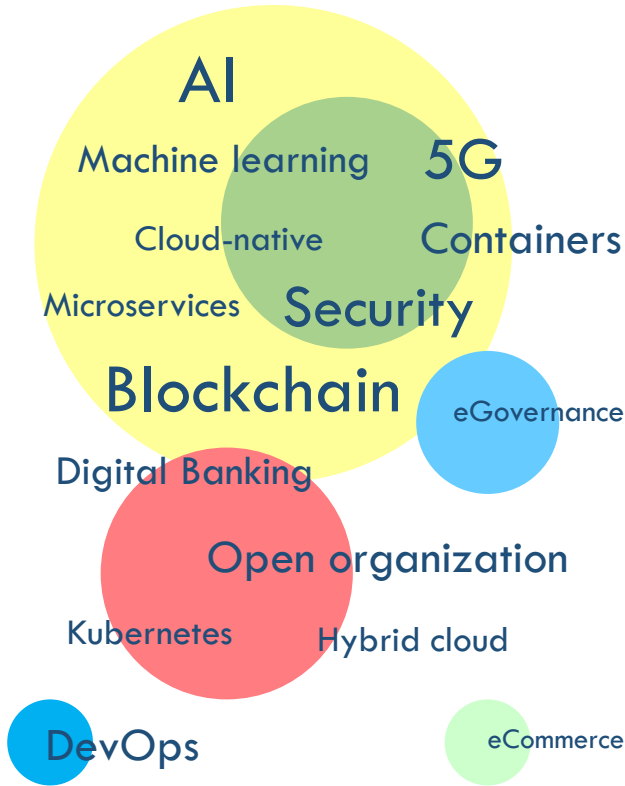- Adoption support

huco

Microsoft Azure Products Alignment

Service Requirement	Microsoft Products Aligned
Kubernetes Orchestration	Azure Kubernetes Service
Cloud Container Registry	Azure Container Registry
Storage	Azure Storage Accounts
Database	Azure SQL, PostGre SQL, MongoDB, MySQL
Cache	Azure Redis Cache
Vulnerability and Baseline	Azure Security Center
SIEM	Azure Sentinel
Monitoring and Logging	Azure Monitor
Backup and Protection	Azure Monitor
Dynamic Secrets	Azure Vault
Infrastructure	Azure VM
Connectivity	VPN, Expressroute
DDoS	Azure DDoS Protection
DevOps / CICD	Azure DevOps/ Github
Serverless	Azure Functions

huco

Huco Cloud Migration Services

Steps	Activities
Application Discovery and Assessment	• Apps Discovery • Infrastructure Discovery • Move group
Establishing the Platform	• Landing zones in Public Cloud and Private cloud TOM
Implementing Security Controls	• Validate & Establish security controls • Implement cloud security best practices
Application & Infrastructure Migration	• Establish Cloud Migration setup • Run Migration & Integration
Application & Infrastructure Assurance	• Environment validation • Data validation • Application validation – performance, functional & load (work along with customers)
Governance & PMO	• Governance, reporting and Communication • Risk & Mitigation • Reporting
Organizational Management	• Monitoring and backup • ITSM

huco

Business Use Cases Addressed

AI

Machine learning

5G

Cloud-native

Containers

Microservices

Security

Blockchain

eGovernance

Digital Banking

Open organization

Kubernetes

Hybrid cloud

DevOps

eCommerce

Profile of the Customer	Engagement Snapshot
Leading Bank, Bahrain	• Enabled online and mobile digital banking using Backbase™ • Decreased time to market by 70% • Provided unprecedented scalability to meet customer demands
Telecom Service Provider, UAE	• Enabled Kubernetes-as-a-service offering • Enhanced operations agility • Increased developer productivity
Large Local Government Entity, UAE	• Enabled complete digitization of 50+ applications through Mendis™ • Acted as a consultative partner to help choose digital platform • Drastically decreased operational efficiency by integrating with private cloud

Big ideas drive business innovation

huco

CS1 – Leading Bank in the UAE

Business Requirement

- Strategic Cloud initiative to enable new age applications (Blockchain, Digital Banking)
- Secure container-based applications in the cloud
- Continuous support for better adoption

Solution Delivered

- Microsoft based Azure Solution centered on Azure Kubernetes Services to hosts customers blockchain based application along with enabling blow services to provide an enterprise grade cloud DC,
  - Azure Container Registry
  - Azure PostGres SQL
  - Azure Cache Redis
  - Azure Backup
  - Azure VPN
  - Azure Security Center
  - Azure Security Center
  - Azure Firewall
  - Azure Sentinel
  - Azure Monitor
  - Azure DDOS Protection
  - Azure Load Balancer
  - Azure DevOps
  - Azure Security Center
  - Azure Key Vault
  - Azure Virtual Machines
  - Azure Application Gateway
  - Azure Site Recovery
  - Azure Active Directory

Business Value Delivered

- Agility to provision IT services as per business demands
- Deliver new cloud services faster by reducing deployment time
- Significantly reduce capital and operating costs

huco

Thank You!

Head Office:
HUCO FZCO, 209, Techno Point
P.O.Box 342015
Dubai Silicon Oasis
Dubai, United Arab Emirates
www.huco.co

Saudi Arabia Office:
Office 109, Aban Center,
King Abdulaziz Road, Al Ghadir,
Riyadh 13311-4672
KSA

Abu Dhabi Office:
C1 - 2402E, Tamouh Towers,
Al Reem Island
Abu Dhabi, United Arab Emirates

huco