Cloud Solutions

Why Cloud Services

Data Protection & Security

Data Security is biggest Challenge in Cloud Migration. Shared Security Model (is the key concerns).
- Data Security (In flight, At rest)
- Identity Security (accessibility)
- Key / Tunnel Management
- Infrastructure Security

Secure Data destruction

PVC (Hybrid Model)
- Snowball (Box for Size & Security)
- DirectConnect (Fiber Channel Tunnel)
- VPN Tunneling (less secured)

Data Vault (AWS Glacier),
- Security & Accessibility
- Priority setting

Data Recovery & Availability

Appropriate clustering and Failover.
- Disaster Recovery
- Data Replication

System monitoring / Runtime Governance
- Transactions monitoring
- Logs / other Monitoring

Capacity and performance management

Serverless Architecture (Aws Lambda)
- Configuration

Monitoring
- Cloud Watch
- Zabbix

Replication
- GG Replication with Encryption

Management Capabilities

Despite there being multiple cloud providers, the management of platform and infrastructure is still in its infancy.

Major Changes are being incorporated and Technical expertise to stay on top of all changes is crucial.

CI & CD
- Puppet & Chef
- Jenkins

Cloud

Orchestration
- Configuration

Regulatory & Compliance

Due to the Dynamic nature of the technology government and organizational compliance list keeps growing and cloud practice need to strictly follow and stay fully compliant.

PCI, PII, DSS, HIPAA, FedRAMP ….. GDPR

Challenges - Identify, Fix and Concur Re-Build a Robust Framework

Why Us

10+

Industry Partnership with Azure, AWS, Oracle, Google Cloud Platform and others

150+

Cloud Developers and Architects

30+

Cloud Projects implemented

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Our Cloud Services Offerings

KR Elixir delivers a holistic approach to cloud transformation that accelerates a company's move to digital business.

Cloud strategy services - We help enterprises assess their cloud maturity. We help craft roadmap and advice on the right cloud approach (public, private, and hybrid cloud), cloud type (IaaS, PaaS, and SaaS), reference architectures, cloud security, and cloud management.

Cloud migration services - We help determine the best cloud approach for organizations - public cloud, private cloud or hybrid cloud. With our migration factory model, we provide faster, cost-effective and risk-free transition with minimal business impact.

Cloud infrastructure and implementation services - We ensure seamless cloud adoption with built-in security, resiliency, availability, and scalability. Our expertise spans across **Microsoft Azure, S/4 Hana Cloud, Salesforce Cloud, Oracle Cloud and AWS** implementation among others.

Next generation enterprise cloud governance and security services - We help establish standards for consistency with defined processes, metrics and reporting. We help integrate new processes with existing cloud governance policies, boards and tools.

Cloud management services - We enable high availability and continuous optimization of cloud ecosystem with mWatch, our proprietary platform. We optimize cloud operations to enable control of security and access to systems, and manage backup and disaster recovery processes.

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Our Cloud Services Implementation Roadmap

Optimize Phase

Leverag Phase

Leverage Options (Cloud Orchestration)
- Automation & Monitoring tools
- Auto Elasticity Mechanism
- HA and zoning Mechanism
- Dashboard and integration capability

Optimize Options
- Utilization (Resource planning / Improvement)
- Performance (Planning / Improvement)
- Efficiency (Monitoring / Improvement)

Assessment Phase

(IT Assets)

Analysis Phase

(Cloud Ready ?)

Design Phase

(Migration Strategy)

- Stakeholder Discussions
- Define Success Criteria
- Pick Cloud Solution (Private, AWS, Azure etc.)
- Create Roadmap for overall asset Migration

Data Migration Phase

Application Migration Phase

Migration Options to Implement
- Forklift / Hybrid
- Integration Mechanism (CI & CD)
- Tools and Capabilities
- Accessibility and upgrades
- Licensing cost

- List IT Assets
- Classify IT Assets
- Evaluate Business Objective
- Evaluate Security and Compliance
- Evaluate Technical Requirements
- Evaluate Licensing costs

- Identify dependency & categorize
- Asses Security & Categorize
- Asses Risk & Categorize
- Create asset groups for Migration (based on above category)
- Evaluate Current and Future TCO
- Prioritize group

- Create Pattern/ Strategy for each asset group
- Build Business Continuity plan
- Build & Evaluate POC

Migration Options to Implement
- Security, Speed & Storage
- Database (Big Data)
- High Availability
- Backup & Restore
- Licensing cost

IT Assets for Business Solutions Embrace Modernization Growth, Security, Speed and Accuracy

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Our Kubernets capabilities and Architecture
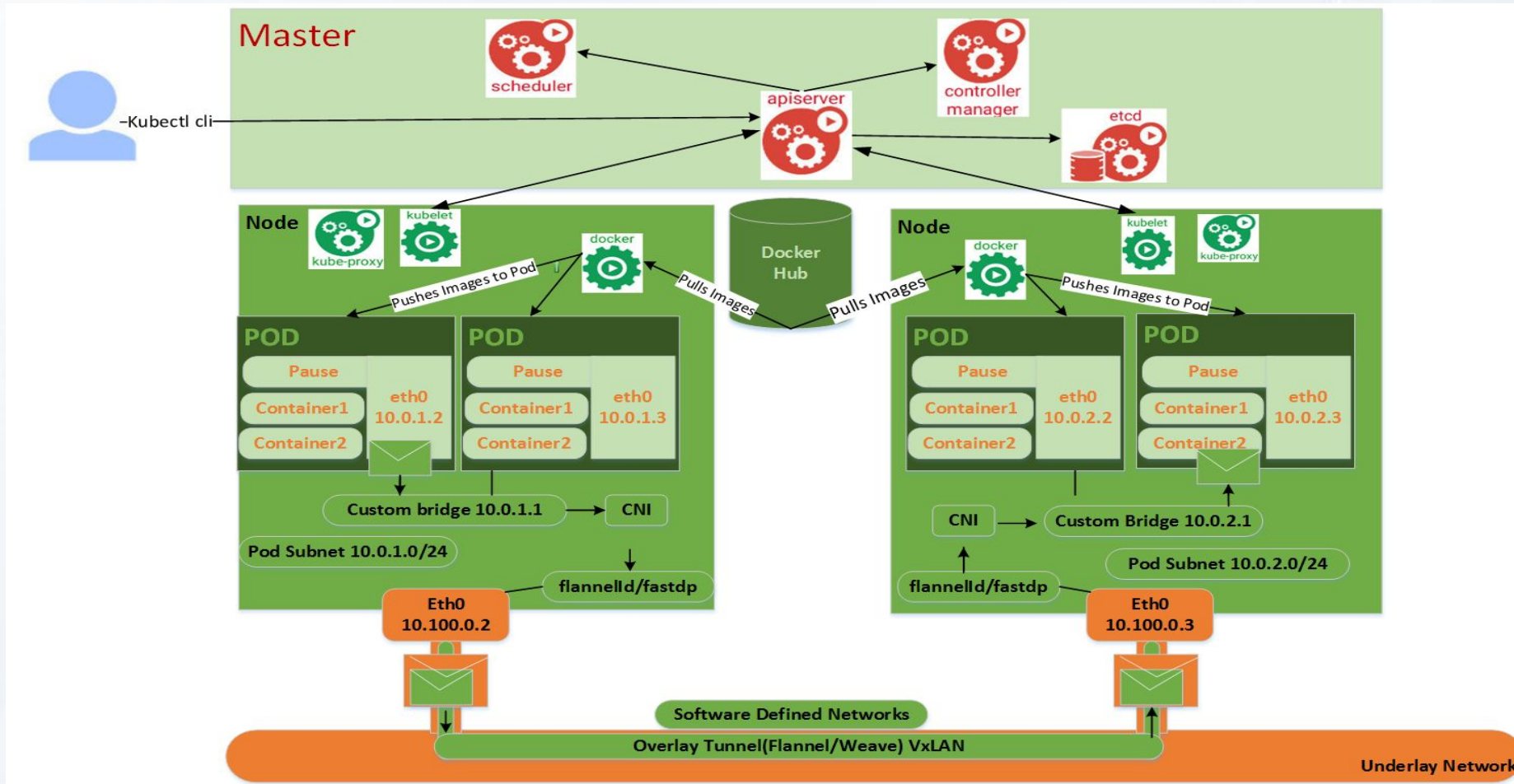
Our Blockchain capabilities

Our specialization and core focus in blockchain technology is for permissioned ledger type and on the following platforms:

Ethereum	Hyperledger Fabric	R3 Corda	Ripple	Quorum

We have successfully aligned Blockchain technology and developed Enterprise Blockchain Application for the following Used Cases:

- Smart contracting
- Blockchain Audit
- Transaction Monitoring / Anti-Money Laundering (AML

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Benefits of Implementation

Improved Internal Resource Utilization

Lesser Cost Of IT Infrastructure & Design

Reduced In-House IT Challenges

Enhanced End-User Experience

Better IT Management Process

Superior Business Features for Users

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