zeeve

Product Demonstration

**Simplifying Network Infrastructure Management of Besu**

SECURE | SCALABLE | HIGH AVAILABILITY

**Zeeve** is the leading **Blockchain Infrastructure as a Service** Platform

**Trusted by the World's Leading Organizations**

**ISO 27001, GDPR and SOCII Type2** Compliant

**300+** Blockchain Networks using Zeeve Platform

*"Zeeve has delivered consistently to help us fulfill our Economy of Things initiative with a powerful and flexible Blockchain Infrastructure as a Service offering. Our teams greatly appreciate their protocol expertise and technical and advisory support."*

**David Palmer – Visionary & Global Platform Innovator**
**Vodafone Blockchain**

**6+** Years of Blockchain Experience

**100+** Blockchain, DevOps & Subject Matter Experts

**40+** Blockchain Protocols Supported

**9** Cloud Providers Supported
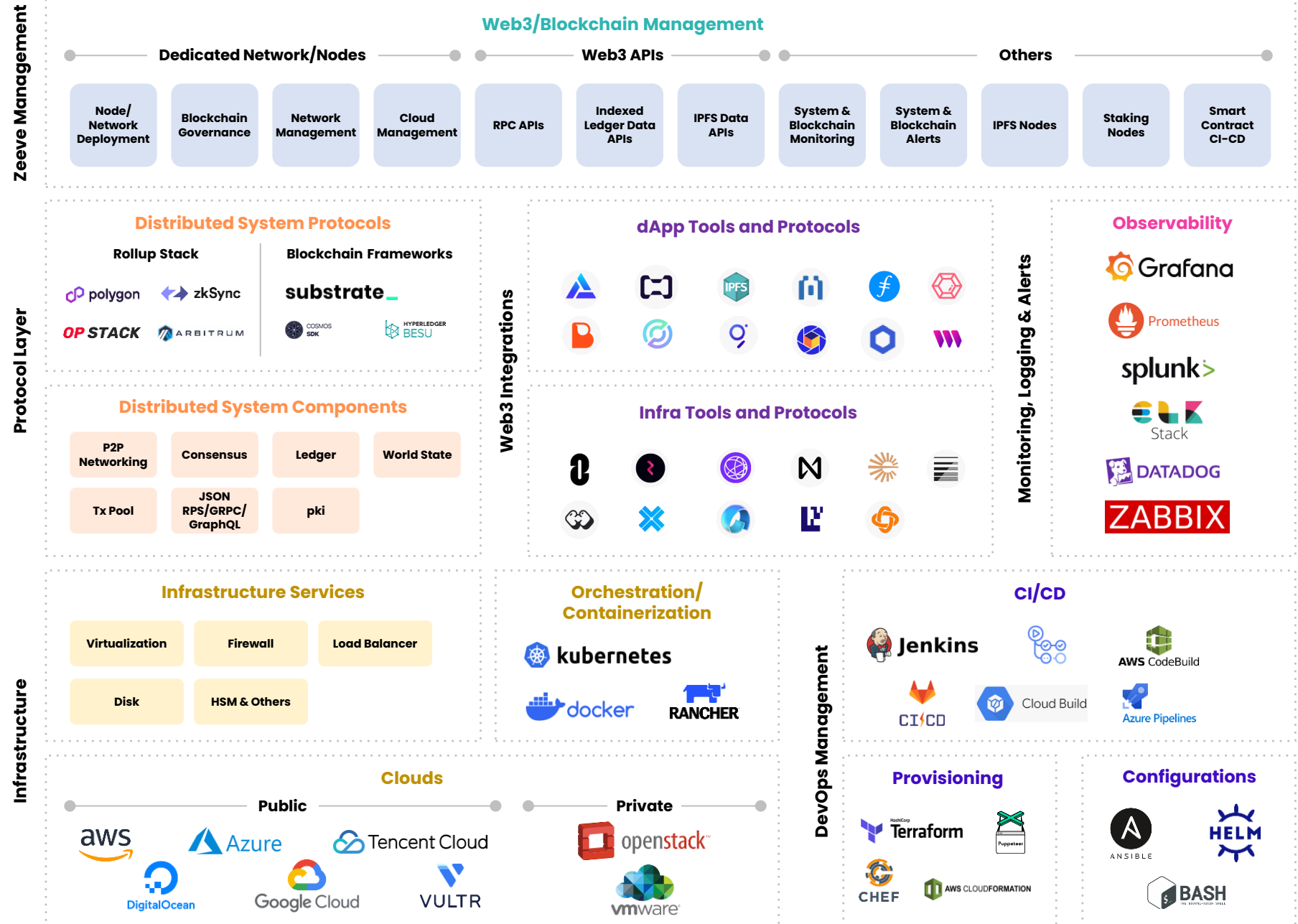
**40+** Enterprises using Zeeve platform

**300+** Blockchain Networks on the Zeeve Platform

# zeeve

## Enterprise Ready Stack

**Zeeve BlaaS Platform** offers integrations and support for all leading tools and stacks to build a cut above.

### Zeeve Management

**Web3/Blockchain Management**

**Dedicated Network/Nodes**
- Node/Network Deployment
- Blockchain Governance
- Network Management
- Cloud Management

**Web3 APIs**
- RPC APIs
- Indexed Ledger Data APIs
- IPFS Data APIs
- System & Blockchain Monitoring
- System & Blockchain Alerts

**Others**
- IPFS Nodes
- Staking Nodes
- Smart Contract CI-CD

### Protocol Layer

**Distributed System Protocols**

**Rollup Stack**
- polygon
- zkSync
- OP STACK
- ARBITRUM

**Blockchain Frameworks**
- substrate
- COSMOS SDK
- HYPERLEDGER BESU

**Distributed System Components**
- P2P Networking
- Consensus
- Ledger
- World State
- Tx Pool
- JSON RPS/GRPC/GraphQL
- pki

**Web3 Integrations**

**dApp Tools and Protocols**

**Infra Tools and Protocols**

**Monitoring, Logging & Alerts**

**Observability**
- Grafana
- Prometheus
- splunk
- ELK Stack
- DATADOG
- ZABBIX

### Infrastructure

**Infrastructure Services**
- Virtualization
- Firewall
- Load Balancer
- Disk
- HSM & Others

**Orchestration/Containerization**
- kubernetes
- docker
- RANCHER

**DevOps Management**

**CI/CD**
- Jenkins
- AWS CodeBuild
- CI/CD
- Cloud Build
- Azure Pipelines

**Clouds**

**Public**
- aws
- Azure
- Tencent Cloud
- DigitalOcean
- Google Cloud
- VULTR

**Private**
- openstack
- vmware

**Provisioning**
- HashiCorp Terraform
- Puppeteer
- CHEF
- AWS CLOUDFORMATION

**Configurations**
- ANSIBLE
- HELM
- BASH

# Zeeve Platform and Products

## Rollups as a service

- Launchpad for Rollups
- Support for both OP Stack and zkRollups
- Rich with Explorer, Faucet, Bridges, wallets etc
- Enterprise SLA
- 24x7 monitoring
- Migration Support

## Traceye - Data Indexing

- Index and Query Blockchain data 5x faster
- 99.99% availability
- Support for Public Chains and AppChains/ Rollups
- Webhooks, alerts, zero maintenance

## TraceHawk - Block Explorer

- Index and Query Blockchain data for all major chains
- 99.99% availability
- Support for both Shared and Dedicated Indexer
- Support for AppChains also

## Cero - Decentralized Sequencer

- Decentralized Sequencing on-demand
- Support for multiple rollup stacks
- Native token staking with a hybrid setup
- Low cost and Low Latency sequencing of transactions

## AppChain as a Service

- Launch custom Blockchain using Besu, Fabric, Avalanche, Cosmos SDK or Substrate
- Rich with Explorer, Faucet, Bridges, wallets etc
- 24x7 monitoring
- Secure and Scalable
- Enterprise SLA

ZEEVE PRODUCT

# Zeeve - Integration Partners

Account Abstraction

Indexing Tools

Decentralized Oracles

Decentralized Storage Tools

Decentralized Seq/Prover

Interoperability Protocols

Block Explorers

Data Availability

Privacy & Staking

Web3 SDKs, NFTs

# Hyperledger Besu based Consortium Infrastructure

## Build and Launch

- **Consulting**
  - Expert support for setting up the optimal configurations and customizations for your Consortium infrastructure

- **Dedicated Consortium Infrastructure Setup**
  - Use the Hyperledger Besu stack to setup the networks
  - Network configurations, tokenomics, and core components
  - QBFT based Validator setup with failover
  - Azure Key Vault based Key Management
  - RPC Endpoints secured with mTLS, IP Whitelisting, API key and JWT Authorization
  - Egress control with DMZ based setup, removing direct internet access
  - Load balance RPC Endpoints with health checks and failover
  - RPC (read+archive), Boot and Validator node deployments - Dedicated and High-performing with unmetered requests
  - Bank Onboarding with relevant access control

- **Network Security Provisions**
  - DDoS Protection
  - Intrusion Detection & Malware Protection (ID&P)
  - Server hardening and Firewall

- **Other Components**
  - TraceHawk Block Explorer with custom branding
    - Startup Plan for Testnet (up to 1m transactions per month)
    - Growth Plan for Mainnet (up to 5m transactions per month)

- **CI/CD Automation**
  - Automation in deployment of underlying infrastructure
  - Automation for adding nodes to the existing networks
  - Automation in upgrading Besu stack
  - Automation in smart contract deployments

# Hyperledger Besu based Consortium Infrastructure

## Ongoing Management

- **Management Dashboard**
  - Observability - System and Blockchain metrics
  - Real-time Alerts and Notifications
  - Logging

- **24/7 Real-time monitoring by the Zeeve team**

- **Regular Maintenance**
  - Updates and upgrades with the latest releases and security patches
  - Regular Backups/Snapshots covering all node types
  - Deploy bug fixes from the Hyperledger Besu Stack

- **24/7 Technical Support and Ticketing system access**
  - 24/7 Monitoring
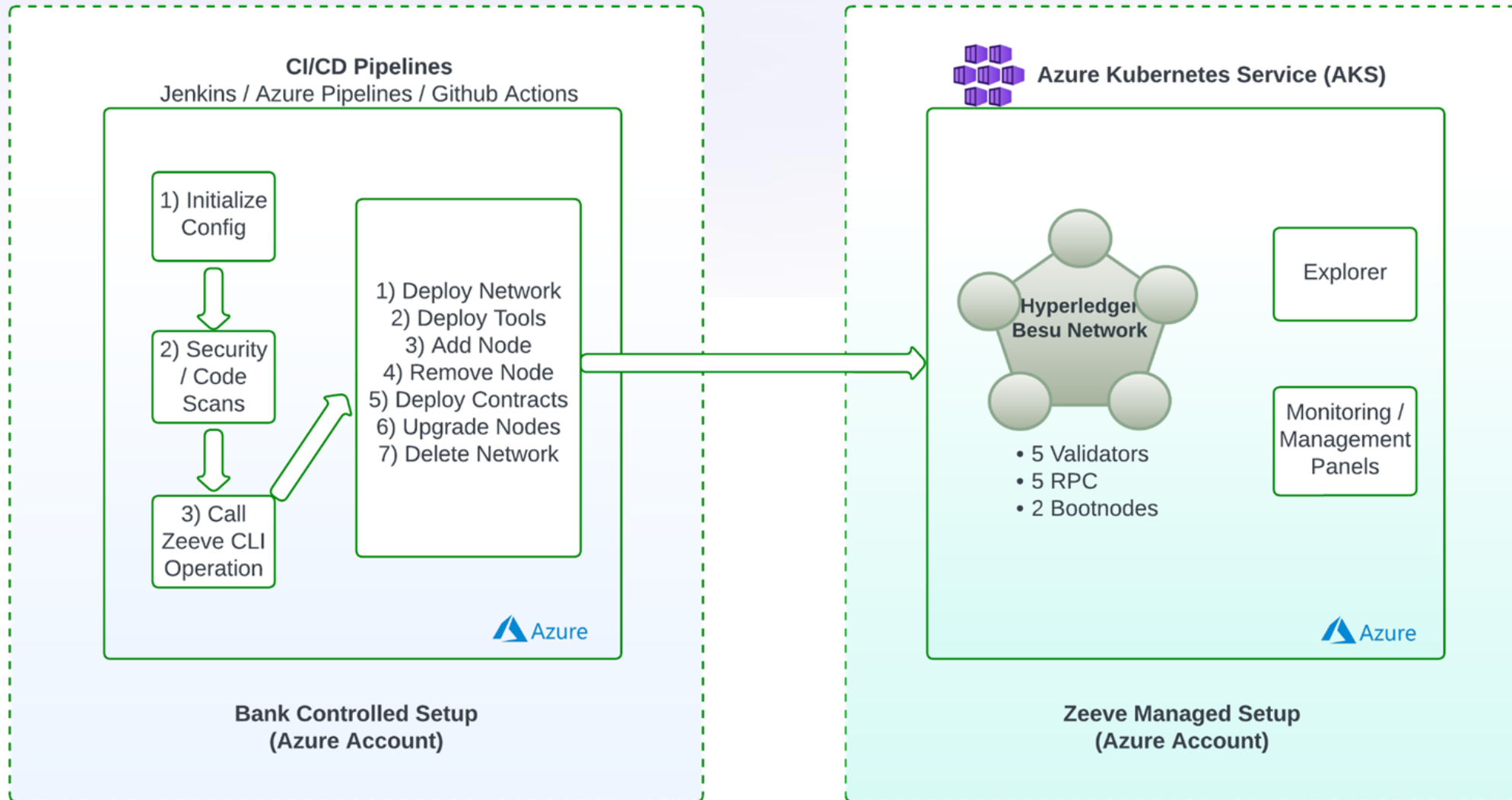  - 24/7 Technical Support

- **Enterprise SLA**
  - 99.9% uptime
  - Live technical support

# Zeeve Solution for MVE

# CI/CD Automation Flow

# Zeeve Team

## Zeeve is a team of 100+ seasoned Blockchain Experts & DevOps Professionals

**Dr. Ravi Chamria**
*Co-Founder, CEO*
Tech Entrepreneur with 25+ years of experience
Previously, CTO Biz2Credit, Sofocle, Prolitus Technologies

**Ghan Vashishtha**
*Co-founder, CTO*
18+ years with Gov Projects, Defense & Aerospace, Media and Telecom

**Sankalp Sharma**
*Co-founder, VP Engineering*
Blockchain Architect and Engineer with experience of more than 7+ years in Blockchain, Smart Contracts.

**Thomas Abraham**
*Chief Revenue Officer*
Expertise in driving global growth for SaaS companies by executing significant partnerships and building great teams

**Kinshuk Kukreti**
*Senior Technical Project Manager*
Senior Manager of around 20 years of experience in managing large-scale application development and support projects and program for global clients.

**Michael Cable**
*VP Growth & Sales, UK & Europe*
30+ years in multiple leading-edge technologies for IBM, Gartner, Fintechs and digital startups**.**

**Paras Singh**
*VP Digital Marketing*
12+ years of experience in Digital Marketing, Fintech and Cryptocurrencies

**Nitesh Sharma**
*Enterprise Blockchain Lead*
10+ years of experience in Enterprise Systems, Product Management and Business Analysis

**Arjun Chamyal**
*Substrate Architect*
10+ years of experience in C++, DevOps and Substrate Framework

**Poonam Kumari**
C++ Engineer

**Md Zaid**
Full Stack Engineer

**Niket Vohra**
Full Stack Engineer

**Lakshay Gaur**
DevOps Engineer

**Jatin Sharma**
Project Manager

**Hitesh Sharma**
Full Stack Engineer

**Mayank Saxena**
Blockchain Engineer

**Prateek Jha**
Senior Blockchain Consultant

**Antar Basu**
Rust Engineer

**Yuvraj**
Senior Customer Success Engineer

**Anupam Bharti**
Technical Lead

**Yuvank Soni**
Developer Advocate

**Radhey Shyam**
Blockchain Engineer

**Yogesh Talurmath**
Sales Manager

**Vikrant Kumar**
DevOps Engineer

**Priyanka Tewari**
AVP - People & Culture

# Stay Connected

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