

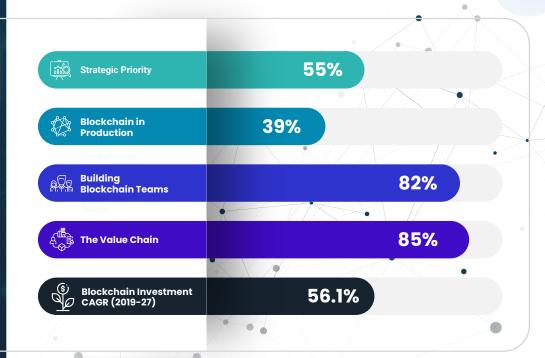
55%

of CIOs consider Blockchain as their #1 priority

Deloitte.

83% of respondents indicated their companies will lose competitive advantage if they don't adopt Blockchain

BLOCKCHAIN TRENDS - FROM PROMISE TO REALITY





Decentralization is missing

Time to Market.

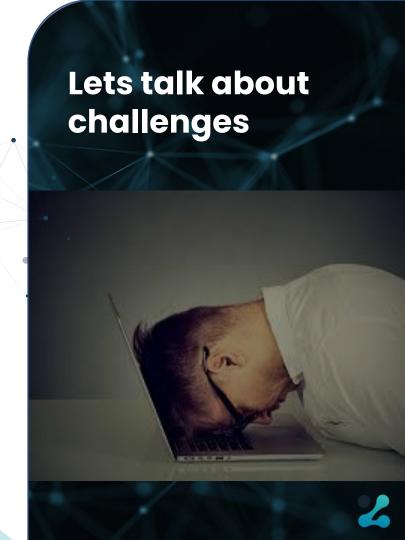
Cost of Setup and Ownership

Complexity of Scaling – Consortium Networks

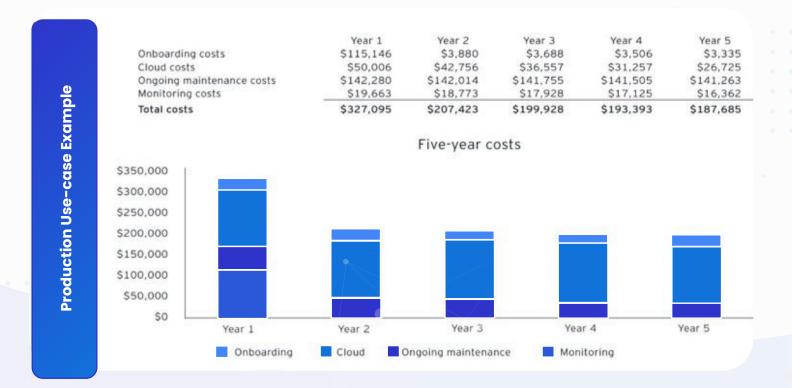
Complex to understand and adopt

Lack of know-how and expertise

Lack of standards for security and optimization



... and again, never underestimate the costs



What's needed - Blockchain Infra Automation

The automation should be for, - in-depth configurations of protocols, monitoring of node and chain health, easy smart-contract design and management tools etc.

Creating your consortium in few button clicks, without losing the decentralisation.

Decide your infrastructure with no compromise, your cloud or on-premise. Every stakeholder in your consortium gets to make their own decision.

Best in class security practices standard across all deployments.

Analytics and Monitoring which can scale with your decentralised deployments.

Control on costs with auto optimisations and scaling of the networks.



A LOW CODE

BLOCKCHAIN AS A SERVICE

ENTERPRISE PLATFORM







Supports Multiple Blockchain Protocols

100% Automated and No Code



Heterogenous Cloud Deployments

Supports all major cloud providers including Private Cloud and On-Premise



Blockchain Analytic and Real time Monitoring

Advance Analytics and Monitoring Alerts and Notifications



Web Services for Faster DApp Development

CI/CD Integrations to Services like IoT, Governance, Storage, Secure Vault etc

>60%

Cost Savings >90%

Faster Time to Market

>15,000

Developers on Board



% zeeve

A structured platform approach to deliver operational excellence across Blockchain Networks and Decentralized Applications.

Network and Security

One Platform for all your needs



Multiple Cloud Provisioning

One Click Node Deployment

Unified Dashboard

Node Security inbuilt

Blockchain Integration

TEE as a Service

Decentralized Storage

Ops and Management

100% Automation and DevOps



Resource Monitoring

Resource Optimization

Auto-scaling and healing

Unified Dashboard

Intelligent Analytics

Network Visualizer

CI/CD Automation

Apps and ServicesA complete toolkit



GIT Integration

loT as a Service

dApp Marketplace

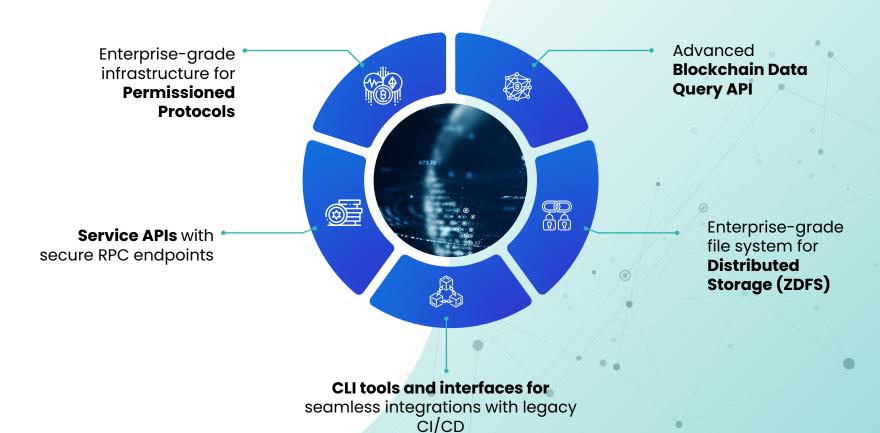
Decentralized Governance

Key Secure Vault

Asset Tokenization

Federated Learning

PLATFORM AND PRODUCTS





Zeeve for Hyperledger Fabric



Network Management - Create, Scale & Onboard

Monitoring - Network & Node Level

CLI Based operations for integrations with tools

Fully flexible Fabric Topology – Organization ACLs

Node Management – add, stop, start

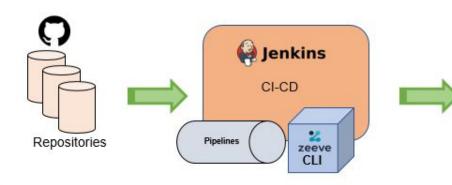
Chaincode packaging and deployment

Alerts & Logging for the blockchain Services

24x7 Support for Zeeve Blockchain Devops Experts



Zeeve with CI-CD



Code Repositories integrated with a CI-CD layer

CD uses Zeeve CLI to package smart-contract deployment

Zeeve deploys smartcontracts to the intended players of the consortium as

intended.



Smart-contract Deployment to all your stakeholders











LEARNING EVERY DAY

Zeeve BaaS Platform is trusted by 15,000+ developers and 25+ Enterprises and Blockchain Consortiums

Customers

























































CASE STUDY



TradeReboot - Trade Finance Consortium

- Category Trade Finance
- Blockchain Protocol HyperLedger Fabric 2.2
- Cloud AWS and GCP
- Network Size 17 Nodes

Challenges

- Identify the most suitable Blockchain protocol to achieve the business goals.
- Enterprise grade network that has high availability, security and performance.
- Cloud agnostic deployment of nodes so that third party stakeholders are not locked to a single cloud service provider.
- Continuous monitoring of the deployed network as a service to reduce upfront and ongoing costs.
 - An enterprise level support the Blockchain network.

Zeeve Approach

- AWS cloud architecture including node application instances, RDS for off-chain database, security rules, load balancers and the backup plan.
- Build the Trade Finance DaApp and Smart Contracts
- Governance smart contract to govern the rules of the consortium
- Deployment of HyperLedger Fabric 2.2 on Kubernetes cluster on AWS...
- Enabled the invitation module to on-board the initial users on the platform.



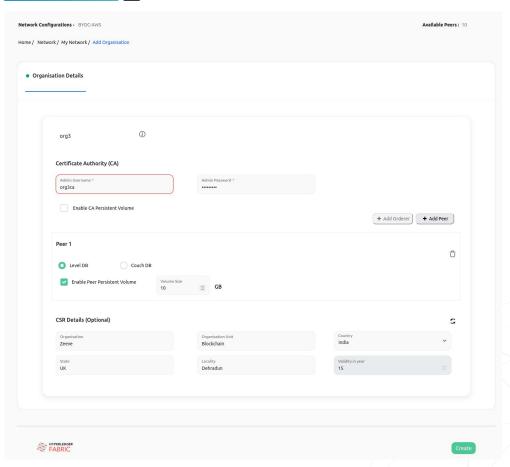
Results

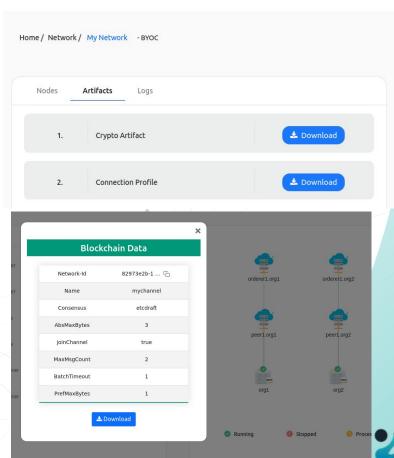
- Seamless Onboarding Zeeve helped quick and hassle-free onboarding of users who wanted to host their own nodes.
- Cost Saving of ~45% –Zeeve helped optimized setting up of the nodes and network instances.
 - Faster time to market by ~80% Zeeve accomplished the complex deployment of trade finance network of Hyperledger Fabric on AWS in less than 30 minutes.
- Proactive Monitoring Zeeve features advance analytics and proactive monitoring of Blockchain and cloud resources..
 - 24/7 Support Zeeve provided DevOps experts and Blockchain engineers for initial deployment architecture and ongoing management of the network.



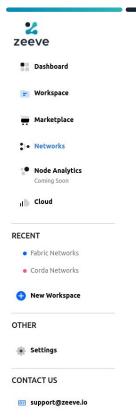


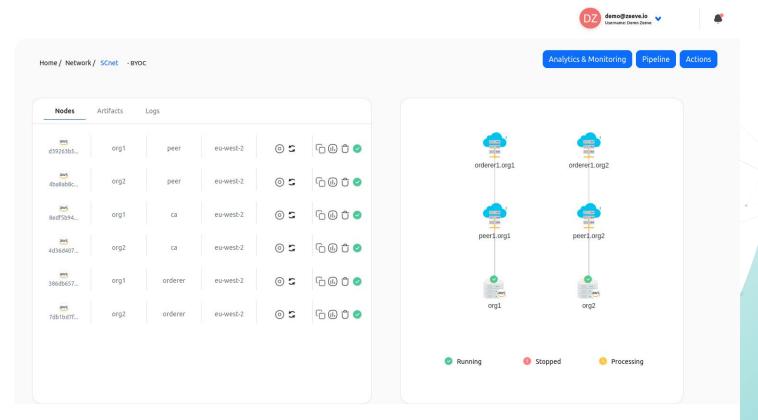
CREATE AND SCALE NETWORKS



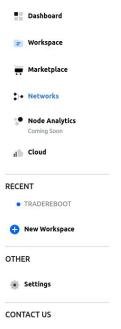


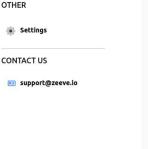
NETWORK TOPOLOGY

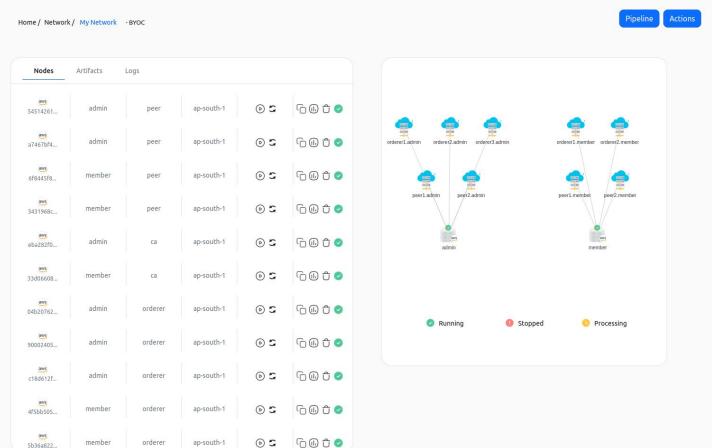




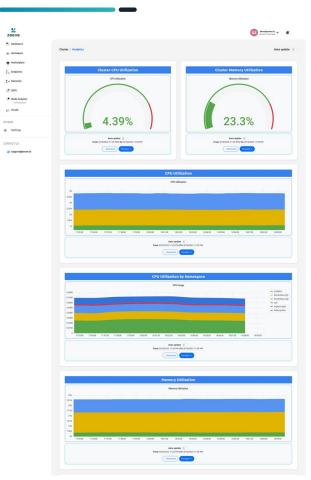
AS FLEXIBLE AS IT GETS





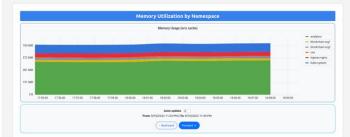


STAY IN COTROL













Zeeve CLI, CD PIPELINES

4ce0f34c-3401-424b-8caf-861743fd1443

[JobID: 6abfb616-0097-4ed4-93a8-2fce4c10bd4c]

Zeeve continous deployment interface lakshayq@ubuntu:~\$ zeeve fabric chaincode --help Usage: zeeve fabric chaincode [options] [command] L9 Pipelines Pipeline Status Total Jobs Action display help for command fbd089ae-c725-409d-a935-1c20c8ed99a6 [JobID:ddc664a1-9330-422b-b0df-bb8be063dd07] Ø a8e88312-9877-48b0-94bc-8bf9895936c5 [JobID: 30a6013c-1bb3-44b9-bb0d-5ced974bd184] Ø 9af5f4cd-9c5e-40ba-a7c4-61c669ef2c13 [JobID:c9079b63-15ce-484e-820e-a07f05782aa2, JobID:5fd116ec-6dd8-415c-89b5-3802d256b887] 17 package [options] ccff75e9-6b97-442c-b92c-8483838eb2ad [JobID: da521c37-eaa7-40f8-82e3-eb92dd63315c] ď 63effhen.ce83.411d.8e92.8hfn155e74f ď [JobID: 240cdde6-b56b-4880-9823-a67815e4e6c0] ddaa2f32-4028-4c27-90a0-85e20e041fal [JobID: 29322359-bb38-4525-994b-d9a8ef57d707. JobID: 81138375-4752-4f2f-956c-b2a0588cafbe] 127 deploy [options] c7d53736-d357-4825-a447-097aebd1d580 [JobID: 4babf03a-7f78-4e1c-a780-0d9494c9b653] Ø display help for command help [command] ddcdab40-050c-46b8-b641-1eaca9c03068 [JobID: ef009178-e124-40db-9771-24b96af93acf] Ø lakshayg@ubuntu:~\$ zeeve fabric chaincode install --help 1f4ac385-4606-463e-a377-f62b00a13ca0 [JobID: 0a955d22-1858-448a-a980-01b410d7d5bc] ď Usage: zeeve fabric chaincode install [options] 736495b8-cf23-4284-b7e6-06e57c1eaa47 [JobID:983ae0dc-9405-458c-b313-15bc7eeea0ab, JobID:2e76cb13-81bc-48e7-9e89-04265d5e6110] 177 b07637ce-65b4-4a46-b1d1-485158b467a2 [JobID: f9112494-7740-4331-a846-8c39f8930967] C Options: Id of the Network 884e2005-c01b-49a0-b9ef-ee38118b7ee4 [InhID - 766fe4h6-23a9-4cc8-95eh-34a908f31199] C? -n, --network-id <network-id> -c, --chaincode <chaincode> chaincode name b1d4cdf6-2b2c-49ff-a785-e7f1fcb94198 17 [JobID: 8cb07e84-da65-41ba-ab41-9f28ae78ef09] -v, --version <version> chaincode version 94c45359-a4fe-4c9c-932e-e6b97e1393c9 [JobID: 8a3b0c44-3069-4c79-ad43-c464a23f19b8] 177 chaincode organisation -o, --ora <ora> 60726095-8fe2-4795-b39f-4f0fcea43c2f [JobID: 8c95826b-b7f2-4ae8-aa82-98385a1c726c] ď -p, --peer-urls <peer-urls...> chaincode peer urls C? f6aa88e6-0a1e-496a-ae94-f928d2bac661 [JobID: 82fe72a4-d7a4-4cc3-909d-f40f8c02af7e] display help for command ecd02c85-649c-410e-80b0-ee5bc32fefff [JobID: d4582427-a214-4fb2-8a16-365384b31b35] Ø lakshayg@ubuntu:~\$ zeeve fabric chaincode commit --help c096h1hd-4148-46ce-h64c-45c3501435a1 [JobID:30f7b75d-1e22-456c-a8dc-5671a6d9f808.JobID:dee07244-7112-4d32-989d-e2a04327c808] ď Usage: zeeve fabric chaincode commit [options] d2fcd914-a3d9-4925-b4da-d675860ac2d3 [JobID: 371eff44-9244-41f0-bea8-5072929f3021. JobID: af0ea270-79bc-4d5f-be8a-0d2b583a5dc7] Ø 12517394-e10b-4898-be87-304ff1610c83 [JobID: a2bbaa3b-1725-4836-9576-7559bb18c6fc] Ø Id of the Network 9ed48147-cd62-454e-a541-822e69173460 [JobID: 5a520b42-ca75-4c74-8c56-a4eb68469c5b] 12 -n, --network-id <network-id> -cc, --chaincode <chaincode> chaincode name 8a020fce-a745-482d-a1c2-6e6cfa4a80cc [JobID: ee43c976-aff9-402f-afdc-2409e16867eb] Ø chaincode version -v, --version <version> e1234e5a-3d1f-4518-9err-ad802aeae741 [Inhin - h3572h83_F27e_4692_a342_6e0f05e8eah0] ď -o, --orgs <org...> chaincode organisation 4336cbh4-58d2-407c-9c3d-4415f42f0016 127 [JobID: c305f8e5-1aa7-413b-a65a-5daecf29d838] -p, --peer-urls <peer-urls...> chaincode peer urls 49f40cae-45bd-466b-a9ed-08f1f99a9cd3 [JobID: 32d07895-dcb7-42d6-8cbe-2e8a5af33f55] ď channel name to approve chaincode [JobID: c3cc53f8-2223-438a-8f53-a76ef58ad8bc] C? 366e9f3a-7582-45fa-9766-2b8c94a42795 -s, --sequence <sequence> chaincode sequence 8a2a7085-83e6-42b1-9025-2773ad1eb961 [JobID: c23c5265-d94d-44b2-986b-d6fab337d7b3] F7 Init method arguments ex; "marble1", "blue", "35", "tom" -im, --init-method <init-method> Init method name i.e, "init" or "initMarbles" c1458696-71b9-4362-b79b-dcbc42107043 [JobID:9f005b04-8cef-4d95-bc63-42cc1f286653] Ø display help for command Ø 26eaa64d-5acd-4a0c-807a-7c61c08a8b13 [JobID: 422858ae-6f8b-4eae-a0e2-9dc48f6b9eaa]

Ø

lakshayg@ubuntu:~\$ 📕

WHAT'S COMING

Private Data Collections Support

HSM Based Key Management

DMZ Based Security Architecture and High Availability Setup of Nodes

Logging Support

Scaling Resources in Clusters

Allow Private Node Connections with AWS Backbone

Managed Node Deployment









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