



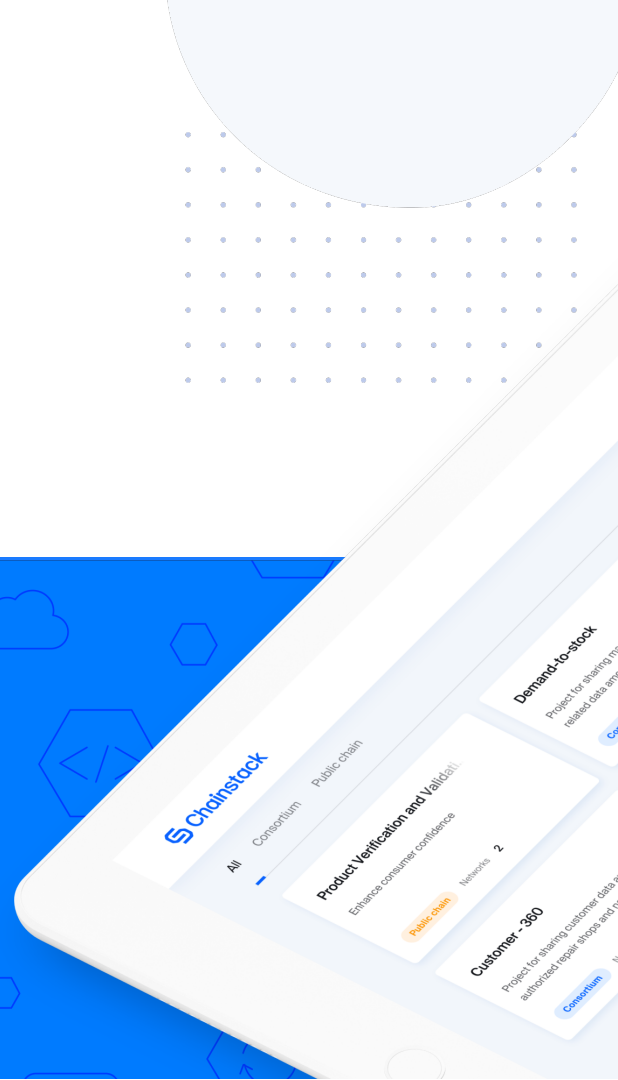
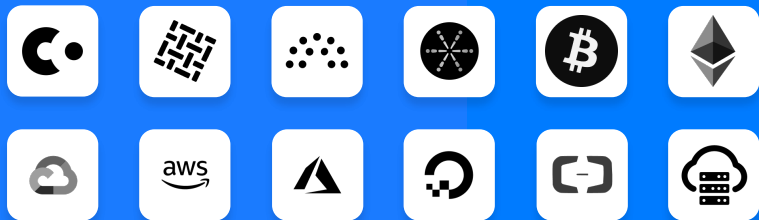
Chainstack Product Deck

Managed services for blockchain
and DLT

CONFIDENTIAL

Chainstack

Managed blockchain services making it simple to launch and scale decentralized networks and applications—complete with an intuitive user interface, seamless orchestration, and predictable pricing.

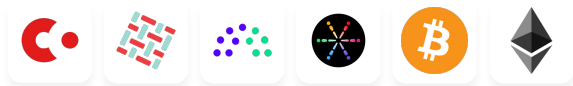


Why Chainstack?



Save time

Deploy applications on top of any blockchain in minutes.



Chainstack

Projects > Big Banks

Big Banks

Type Consortium Description Payment network between big banks Edit

All Corda Quorum MultiChain + Members + Create network

Network name ↑	Status	Nodes	Protocol	Date created
Banking Consortium	Running	12	Corda	28 May, 2019
Documents tracking	Running	3	Quorum	20 Jun, 2019
Transactions tracking	Running	2	MultiChain	12 Nov, 2019
Experiment #4	Running	16	Corda	28 Dec, 2019

Why Chainstack?



Be agile

Build and deploy how and where you need, in any cloud or on prem.



Create network

- ✓ Network details
- Nodes deployment
- Summary

Nodes deployment
Select preferred deployment options, and edit the system generated Node ID if required.

Deployment options
Shared Dedicated Help me to choose

Cloud hosting provider **Region**

Google Cloud Platform Asia-Pacific Europe North America

Sync mode
Fast Archive

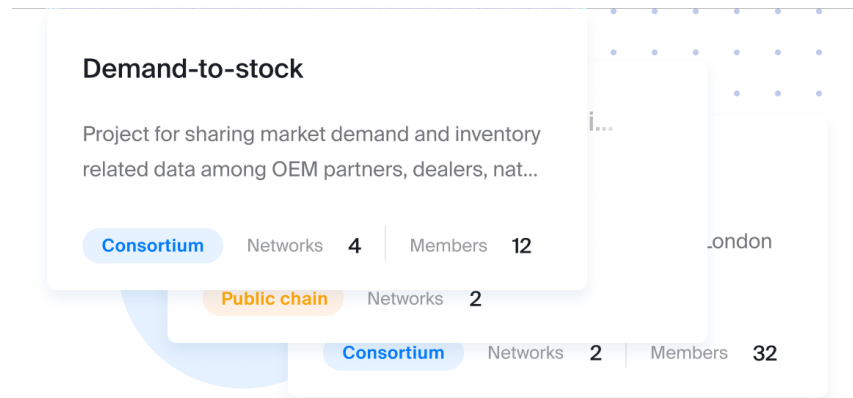
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Why Chainstack?



Reduce cost

Drastically improve your ROI in deploying and managing complex network infrastructure and applications.



The easiest way to deploy, manage and scale your infrastructure.

Chainstack enables you to experiment securely and with ease, and scale the solutions that work best for you.



ENTERPRISE-GRADE
SOFTWARE



OPTIMIZED FOR
GROWTH



FREEDOM TO CHOOSE THE
RIGHT SOLUTION



FLEXIBILITY TO DEPLOY
ANYWHERE

Orchestration

Chainstack handles complex orchestration processes across different blockchain protocols and deployment options, for both private consortiums and public networks.

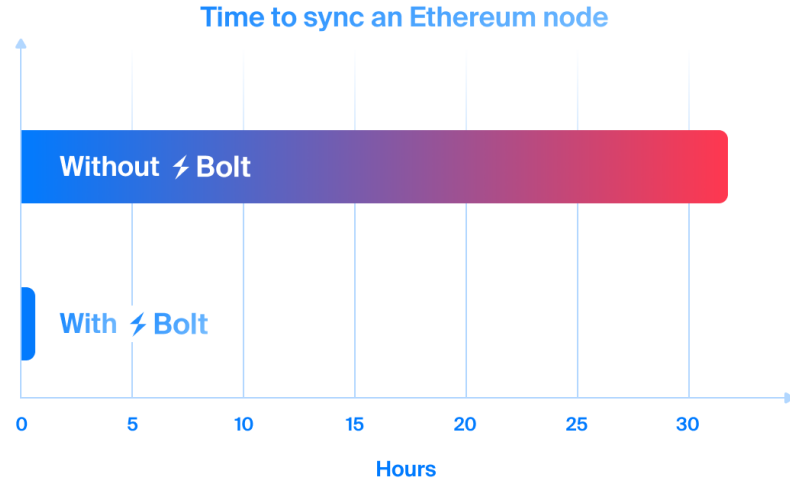




Turbocharged sync

Chainstack's Bolt technology lets you sync a full Ethereum or Bitcoin node in minutes instead of hours, days or even weeks.

By using up-to-date snapshots of the ledger, you can spin up nodes synced with the latest blocks in almost no time at all.



320x faster node deployment and synchronization

Monitoring and health

Don't worry about maintenance with self-healing infrastructure and simple node upgrade handling, while always staying on top of the status of your resources with transparent monitoring and events, accessible in-platform and via API.



NODE AND NETWORK
STATUS MONITORING



NODE UPGRADE
HANDLING



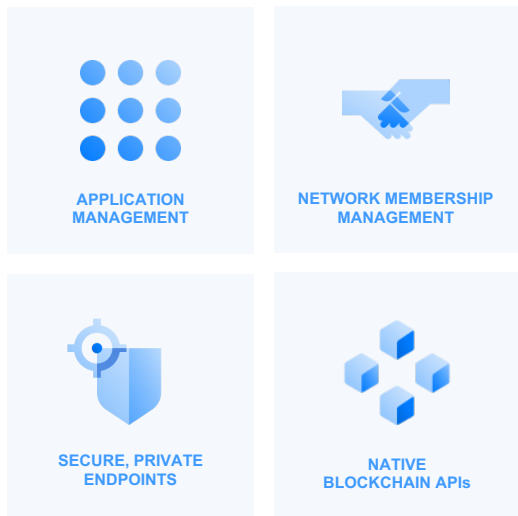
API FOR NOTIFICATIONS
AND EVENTS



SELF-HEALING NODES

Node and network interaction

Interact with your infrastructure through an intuitive interface and custom APIs that speed up complex processes like managing decentralized applications or handling network membership. Your access is always secure with private, protected endpoints for every deployment.



Account management and support

Pay only for the resources that you use and easily scale your infrastructure and team as your application grows. Hands-on technical support is available for any issues you might encounter.



PAY-AS-YOU-GO
SCALABLE RESOURCING



USER PERMISSIONS
MANAGEMENT



TECHNICAL SUPPORT
AND TROUBLESHOOTING

Platform API

Get access to an API designed to simplify and automate your blockchain infrastructure management. Programmatically build, test and deliver solutions that connect to the Chainstack service.



Notifications

Register for and respond to real-time and non-real-time events, such as the creation of new transactions, smart contract-related activities, and infrastructure alerts.



Orchestration

Programmatically create, scale, manage, and control the lifecycle of resources such as nodes, storage, and other infrastructure required for the successful operation of the blockchain network.



Application Management

Facilitate operations related to decentralized applications, such as compilation, deployment, versioning, and vulnerability scanning.



Ledger Data

Communicate with blockchain networks and obtain information about accounts, addresses, blocks, and transactions.



Hosting and pricing

Hosting Options

Chainstack can be used with selected components deployed in the location of your choice, 100% hosted in your private cloud or as a fully-managed service that is run in our optimized multi-cloud infrastructure.

Access the power of Chainstack in a way that works for you.



	PaaS	Hybrid	Self-hosted
Platform hosting	Fully managed by Chainstack	Select what to manage yourself	Fully managed by you
Benefit	Get instant access to a managed platform, without worrying about running any part of the software.	Have the freedom to select which components of the Chainstack infrastructure you'd like to manage and operate yourself.	License Chainstack to have full control over operating every component yourself.
Update frequency	Continuous	Continuous	Release-based
Maintenance	Automatic	Automatic	Assisted
Installation	Automatic	Assisted	Assisted
Pricing	Pay-per-use (see pricing)	Custom	Custom

Hybrid Deployment

	Hybrid	Self-hosted
Who is it for?	Customers who are concerned about self-sovereignty of nodes, keys and infrastructure, but don't want to build their own tools for orchestration.	Great for customers interested in fully hosted solutions who have the capabilities to manage everything in-house.
Use case scenario	A software vendor makes use of Chainstack as a control panel (via a UI or API) to orchestrate and manage blockchain nodes, networks and services running entirely in their own custom infrastructure.	A service provider willing to provide managed blockchain services to their customers. Chainstack packages all the components for the hosted installation so that the service provider can leverage their own infrastructure and all other existing functions such as billing.
Benefits	Manage your own nodes and key materials, take control of your own regulatory and security compliance requirements.	
Technical requirements	Cloud stack with Kubernetes support (e.g. Google Anthos, Azure Stack, Pivotal Platform, Red Hat OpenShift, VMware Enterprise PKS).	



Roadmap

Q4 2019

- ✓ **Corda private networks**
- ✓ **User management**
- ✓ **Bitcoin support**
- ✓ **Advanced node status/health**
- ✓ **Authentication for blockchain APIs**

2020

- ✓ **Hyperledger Fabric**
 - Request monitoring dashboard
- ✓ **API for network and node orchestration**
 - On-prem & custom cloud deployment
- ✓ **Identity management and portability**
 - Hybrid and self-hosting solutions
 - Application and service marketplace
 - More features for network/node management and orchestration, including upgrade handling and disaster recovery
- Deployment to the Corda Network
- Corda Enterprise

Resources

docs.chainstack.com - tutorials and further resources

support.chainstack.com - Technical FAQs

chainstack.com – learn more

Sign up now to deploy your first nodes console.chainstack.com



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