

AZURE BLOCKCHAIN SOLUTIONS

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ETHEREUM CONSORTIUM



- Ethereum Blockchain setup precompiled by Microsoft
- This solution template is designed to make it sufficiently easier and quicker to deploy and configure a consortium Ethereum network with minimal Azure and Ethereum knowledge.
- With a handful of user inputs and a simple single-click deployment through the Azure portal, you can provision a fully configured blockchain network topology in minutes, using Microsoft Azure compute, networking, and storage services across the globe.
- The network consists of a set of load-balanced transaction nodes with which an application or user can interact to submit transactions and a set of mining nodes per consortium member to record transactions.
- Rather than spending hours building out and configuring the infrastructure, we have automated these time-consuming pieces to allow you to focus on building out your scenarios and applications.
- Through the administrator web page, you can configure additional Ethereum accounts to get started with smart contract, and eventually application, development.

Source: azure.microsoft.com



STRATO BLOCKCHAIN LTS



- Offered by BlockApps
- BlockApps is the leading provider of Ethereum blockchain development solutions.
- Our client, written in Haskell, provides a highly scalable Ethereum compliant blockchain with a industry standard RESTful API.
- BlockApps provides the fastest development platform for building and deploying Ethereum blockchain applicaitons.
- Our quick deployments and RESTful API enable devleopers to build, test, and deploy smart contracts faster than ever.
- This individual STRATO instance provides a RESTful web API on the HTTP port for querying the blockchain and compiling and uploading contracts.
- It also provides a separate API on port 8000 for communicating with *bloc-server*, the BlockApps rapid deployment tool that exposes contract operations to the web developer.
- Finally, on port 9000 it provides a blockchain explorer page that gathers statistics about the history of the blockchain on this instance.

Source: azure.microsoft.com



CHAIN CORE DEVELOPER EDITION



- Offered by Chain
- Chain Core is enterprise software that enables institutions to issue and transfer financial assets on permissioned blockchain networks.
- Using Chain Core, institutions can launch and operate a blockchain network, or connect to a growing list of other networks that are transforming how assets move around the world.
- Chain Core Developer Edition is a free, downloadable version of Chain Core that is open source and licensed under the AGPL. Individuals and organizations use Chain Core Developer Edition to learn, experiment, and build prototypes.

Source: azure.microsoft.com



ETHEREUM STUDIO



- Offered by ether.camp, Ethereum Blockchain Full Stack Provider
- **Ethereum Sandbox** – Complete and identical emulation of the live network. During the development the work with the sandbox gives the flexibility required for development before deploying the smart contracts to the live network.
- **UI for Ethereum based system** – Ethereum Sandbox is available for developers to run applications and provide a UI for interacting with smart contracts all in one integrated environment.
- **Unit testing** – Comprehensive environment, to test your smart contracts over and over again.
- **One Click Deploy** – Once the development of the Ethereum smart contract project is ready, deployment to the live network is very easy. It can be done in only one click and the smart contracts can be seen on the target deployment.

Source: [azure.microsoft.com](https://azure.microsoft.com/en-gb/articles/ethereum-studio/)



EMERCOIN BLOCKCHAIN ENGINE



- Offered by Emercoin
- Blockchain Engine (BcE) is a platform designed for developers.
- BcE offers a suite of tools to create applications and services based off of the Emercoin blockchain.
- Not only is it simple to install, configure, and integrate with any project, but also widely available.
- Blockchain Engine is offered within the Microsoft Azure platform where it can be deployed using CentOS or Ubuntu in the cloud.
- It can be managed with the easy to use JSON-RPC as well as a web interface.
- Blockchain Engine is a functional and robust, yet simple to use system for designing applications.
- It contains an expansive suite of tools that can be used to create an entirely new project, or to improve upon an existing application already in operation.

Source: azure.microsoft.com



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THANK YOU FOR YOUR TIME

