**Week 1, Lesson 1 Resources**

The following resources were selected to provide an overview of the topic of Blockchain Server. We would like to acknowledge the authors of the various web articles, videos, and papers for their insightful discussions and analytics which help formed the basis for some sections of the lessons and modules.

**Title of resource:** [**What is the Difference Between a Blockchain and a Database?**](https://www.coindesk.com/information/what-is-the-difference-blockchain-and-database/)

Resource type: website

Description: The difference between a traditional database and a blockchain begins with architecture, or how the technologies are orchestrated.

**Title of resource:** [**DEVCON1: Understanding the Ethereum Blockchain Protocol - Vitalik Buterin**](https://www.youtube.com/watch?v=gjwr-7PgpN8&t=10s)

Resource type: video (38:17)

Description: Ethereum's Vitalik Buterin presents on the intricacies of the Ethereum Blockchain Protocol.

**Title of resource:** [**Decentralizing Everything with Ethereum's Vitalik Buterin | Disrupt SF 2017**](https://www.youtube.com/watch?v=WSN5BaCzsbo&t=5s)

Resource type: video (25:47)

Description: AngelList's Naval Ravikant brings Ethereum's Vitalik Buterin onstage to explain what it is and why it's useful.

**Title of resource:** [**What is and how to use the Ethereum Name Service (ENS)**](https://www.cryptocompare.com/coins/guides/what-is-and-how-to-use-the-ens/)

**Resource type:** Website

**Description**: A web article that explains how ENS, Ethereum based Dapp, can replace hexadecimal addresses which used to make it a bit harder to interact with Ether.

**Title of resource:** [**Ethereum-ens**](https://www.npmjs.com/package/ethereum-ens)

**Resource type:** Website

**Description**: A web page explaining basic implementation of Ethereum Name Service.

**(OPTIONAL) Resources: Dapp Defined**

A view of a city from space

Description automatically generated

**Week 1, Lesson 2 Resources**

The following resources were selected to provide an overview of the topic of Dapp Defined. We would like to acknowledge the authors of the various web articles, videos, and papers for their insightful discussions and analytics which help formed the basis for some sections of the lessons and modules.

**Title of resource:** [**Decentralized Applications-dApps**](https://blockchainhub.net/decentralized-applications-dapps/)

Resource type: website

Description: dApps, have existed since the advent of P2P networks. They are a type of software program designed to exist on the Internet in a way that is not controlled by any single entity.

**Title of resource:** [**The Future will be Decentralized**](https://www.youtube.com/watch?v=97ufCT6lQcY)

Resource type: video (13:35)

Description: This talk was given at a local TEDx event, produced independently of the TED Conferences. Tech entrepreneur and mathematician Charles Hoskinson says Bitcoin-related technology is about to revolutionise property rights, banking, remote education, private law and crowd-funding for the developing world.

**(OPTIONAL) Resources: Ethereum APIs**

A view of a city from space

Description automatically generated

**Week 1, Lesson 3 Resources**

The following resources were selected to provide an overview of the topic of Ethereum Application Programming Interfaces (APIs). We would like to acknowledge the authors of the various web articles, videos, and papers for their insightful discussions and analytics which help formed the basis for some sections of the lessons and modules.

**Title of resource:** [**World's First DAPI: Decentralized Application Programming Interface**](https://cointelegraph.com/news/worlds-first-dapi-decentralized-application-programming-interface)

Resource type: website

Description: Cointelegraph caught up with Evan Duffield to ask him to expound on the ideas behind the world's first DAPI.

**Title of resource:** [**Web3 JavaScript app API for 0.2x.x**](https://github.com/ethereum/wiki/wiki/JavaScript-API)

Resource type: website

Description: To make your app work on Ethereum, you can use the web3 object provided by the web3.js library. Under the hood it communicates to a local node through RPC calls. web3.js works with any Ethereum node, which exposes an RPC layer.

Title of resource: [**Ethereum CLI Tools**](https://gavofyork.gitbooks.io/turboethereum/content/cli_tools.html)

Resource type: website

Description: TurboEthereum is a large distribution of software including a number of diverse tools.

