

## 0.1 openVZ

OpenVZ[4] is a container-based virtualization for Linux. OpenVZ creates multiple secure, isolated Linux containers (otherwise known as VEs or VPSs) on a single physical server enabling better server utilization and ensuring that applications do not conflict. Each container performs and executes exactly like a stand-alone server; a container can be rebooted independently and have root access, users, IP addresses, memory, processes, files, applications, system libraries and configuration files.

OpenVZ is free open source software, available under GNU GPL.

## 0.2 SQLite

SQLite[1] is an in-process library that implements a self-contained, serverless, zero-configuration, transactional SQL database engine. The code for SQLite is in the public domain and is thus free for use for any purpose, commercial or private. SQLite is the most widely deployed database in the world with more applications than we can count, including several high-profile projects.

## 0.3 Amazon EC2

Amazon Elastic Compute Cloud (Amazon EC2)[2] is a web service that provides secure, resizable compute capacity in the cloud. It is designed to make web-scale cloud computing easier for developers.

Amazon EC2's simple web service interface allows you to obtain and configure capacity with minimal friction. It provides you with complete control of your computing resources and lets you run on Amazon's proven computing environment. Amazon EC2 reduces the time required to obtain and boot new server instances to minutes, allowing you to quickly scale capacity, both up and down, as your computing requirements change. Amazon EC2 changes the economics of computing by allowing you to pay only for capacity that you actually use. Amazon EC2 provides developers the tools to build failure resilient applications and isolate them from common failure scenarios.

## 0.4 Azure

Azure[5] is a comprehensive set of cloud services that developers and IT professionals use to build, deploy, and manage applications through our global network of datacenters. Integrated tools, DevOps, and a marketplace support you in efficiently building anything from simple mobile apps to internet-scale solutions.

## 0.5 Future Grid

Scaling enterprise IoT by transforming billions of data points into real-time decisions cost effectively[3] Import data from any source, anytime, anywhere Add complex algorithms for real-time processing Process billions of records and control in real-time Integrated real-time Machine Learning tools

## References

- [1] *About SQLite*. Web. Accessed: 2018-02-18. URL: <https://www.sqlite.org/about.html> (cited on page 1).
- [2] *Amazon EC2*. Web. Accessed: 2018-02-18. URL: <https://aws.amazon.com/ec2/> (cited on page 1).
- [3] *Future Grid*. Web. Accessed: 2018-02-18. URL: <http://www.future-grid.com.au/> (cited on page 1).
- [4] *openVZ Virtuozzo Container*. Web. Accessed: 2018-02-18. URL: [https://openvz.org/Main\\_Page](https://openvz.org/Main_Page) (cited on page 1).
- [5] *What is Azure*. Web. Accessed: 2018-02-18. URL: <https://azure.microsoft.com/en-us/overview/what-is-azure/> (cited on page 1).