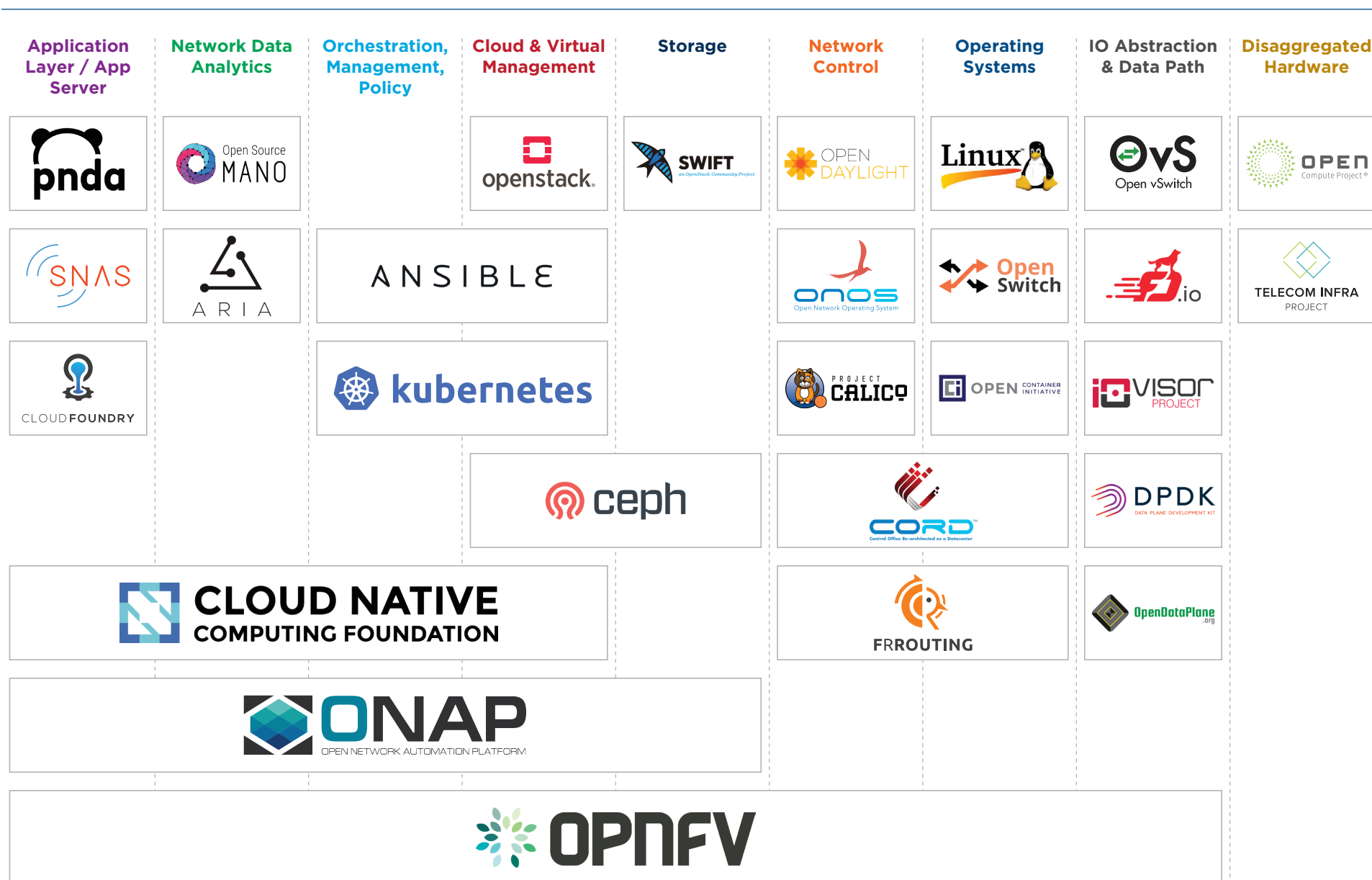


Moving to 5G with Open Source Solutions



Master 5G with These Courses

5G Essentials

Lecture

2 days

COURSE OVERVIEW

5G is the next-generation of mobile networks beyond the 4G LTE mobile networks existing today. The vision of 5G is becoming clearer and most experts say 5G will feature network speeds that are blazingly fast at 20 Gbps or higher and have low latency at mere milliseconds. The entire 5G approach takes advantage of containers, virtualization, SDN and NFV.

Kubernetes Bootcamp

Lecture and Labs

4 days

COURSE OVERVIEW

Kubernetes is a Cloud Orchestration Platform, providing reliability, replication and stability, while minimizing resources for applications and services. This course guides students through the Kubernetes architecture, useful commands, containerization and Kubernetes best practices. Each student has access to their own their own high availability Kubernetes environment capable of demonstrating the “K8s” features discussed in the lecture portion of the course. This is a lab intensive hands-on course.

Ansible Essentials

Hands-on Labs

5 days

COURSE OVERVIEW

Ansible is growing in popularity for good reason, it is both easy to understand, far simpler than Python, and extremely powerful. While Python can be used to do just about anything, Ansible is used to bring structure and consistency to system deployments, implementations, and changes. Students tempted to write a complex Python script to do some networking automation task will discover that problem is already solved by an Ansible module. Lots of unnecessary Python scripts can be eliminated by using Ansible whenever possible. Ansible can be used for both network and server administrators alike.

Certified OpenStack Administrator

Hands-on Labs and Full Course Video

5 Days

COURSE OVERVIEW

Our OpenStack courses offer both hands on and lecture, allowing students to learn OpenStack architecture and operation. Students will examine both front end and back end OpenStack components, revealing the actual OpenStack function at the component level. In addition to a technical review of the architecture, this course teaches practical skills, as you will perform hands on labs to administer an OpenStack datacenter and set up, network, create and delete virtual machines and services. You will learn important DevOps skills that illustrate how to fully administer the software defined infrastructure made possible by OpenStack. Important Linux skills necessary to perform effective CLI tasks are also taught. All hands-on labs are written to reinforce each lesson, making the concepts clearly understood.

Ceph Administration and Troubleshooting

Hands-on Labs and Full Course Video

5 Days

COURSE OVERVIEW

The Ceph Administration and Troubleshooting course provides a hands on approach to understanding one of the most popular Storage system solutions. Ceph is a free-software storage platform that implements object storage on a single distributed computer cluster, and provides interfaces for object-, block- and file-level storage. This course teaches storage basics and then moves into the architecture of Ceph, administration and the analysis of the Ceph components in a production environment. This is a lab intensive 5-day course.