

# Chameleon Tutorials

Chameleon provides a large-scale testbed to support research, development, and education related to cloud computing. Here you'll find tutorials for common cloud computing tasks demoed on Chameleon.

Dashboards ▼

## Cloud

API

(/chameleon/cloud/api/)

MPI and HPCC

(/chameleon/cloud/mpi-hpcc/)

Configuration Management

(<https://youtu.be/lyjjU-KPsdE>)

DevStack Sandbox

(/chameleon/cloud/devstack-sandbox/)

## Docker

Getting Started

Fundamentals

(/chameleon/cloud/getting-started/)

(/chameleon/docker/fundamentals/)

I/O Trace using Block Trace

CGroups and Namespaces

(/chameleon/cloud/block-trace/)

(/chameleon/docker/cgroups-namespaces/)

Kubernetes Intro

(/chameleon/docker/kubernetes/)

Machine, Compose, and Swarm

(/chameleon/docker/machine-compose-swarm/)

## Hadoop

Storage Block Trace

(/pdf/chameleon/Chameleon - General - Block Trace.pdf)

Map Reduce (Python)

(/chameleon/hadoop/mapreduce-python/)

Sandbox

(/chameleon/hadoop/sandbox/)

# Networking

Security

(/chameleon/networking/security/)

Fundamentals

(/chameleon/networking/fundamentals/)