

## Getting an Account

- [The DeterLab usage policy](#)
- [Registering to use DeterLab](#)

## Getting Started

The following documentation is found at <http://docs.deterlab.net/> :

- [DeterLab Core Quickstart](#) - a high level overview of DeterLab Core
- [DeterLab Core Guide](#) - includes a basic tutorial as well as some advanced topics
- [Sample Topologies](#) - Some sample topologies to help you learn NS syntax
- [Using Your Nodes](#) - Information about accessing and using your experimental nodes
- [Generating Traffic](#) - Using the LegoTG framework to generate traffic for your experiment
- [Using Shared Materials](#) - Sharing files and other elements of your experiment within DeterLab
- [Core Reference](#) - Information about system commands, nodes, image IDs, OSIDs and more
- [Accessing testbed nodes using SSH](#)
- [Using the Serial Console on testbed nodes](#)
- [Glossary](#) - List of terms used throughout DeterLab

## Technical Support

- Read through [Frequently Asked Questions about DeterLab](#)
- [Search](#) existing support tickets.
- If you still need assistance, read [Getting Help](#) to use our support ticketing system.

**Note:** To view, search and file tickets, you must be logged in with your DeterLab testbed account.

## Capabilities for Experimentation

- [Orchestration \(MAGI\)](#) - Communications and control system for repeatable experimentation.
- [Virtualization \(Containers\)](#) - For creating large-scale DETER topologies that support differing degrees of fidelity in individual elements. Helpful for experiments requiring 400+ computers.
- [Federation](#) - Federation architecture for creating experiments that span multiple testbeds through dynamically acquiring resources from other testbeds.
- [Attribute-Based Access Control \(ABAC\)](#) - Scalable authorization system used with the federation capability.

## Core Reference Documentation

- Commands
  - [DeterLab Shell Commands](#)
  - [NS Command Extensions](#)
- Nodes
  - [Node Use \(Swapping\) Policies](#)
  - [Accessing testbed nodes using SSH](#)
  - [Available Node Types](#)
  - [Available NetFPGA Nodes](#)
  - [Using the Serial Console on testbed nodes](#)
- OS and Image IDs
  - [Operating Systems supported by DETER and details about using them](#)
  - [Custom OSIDs and Image IDs](#)
- [Legacy Tools](#)