

# Lab 1: Linux Programming

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# Lab 1: build an OS

- Objective: successfully install a Linux system with all basic capabilities
- Recommend OS to install: openSUSE Leap 42.1、 SUSE Linux Enterprise Server 12 SP1 、 Red Hat Enterprise Linux 7、 CentOS 7、 Ubuntu 14.04 (LTS)
- Create your own user, and make it into sudoer list
  - Provide your own way to implement sudo group privilege
  - The more the better

# Lab 1: Initialize a Service

- We will start to build an IaaS service system, called OpenStack, and we will establish services from your system in the following classes
- Help docs:
  - [https://docs.openstack.org/training\\_labs/](https://docs.openstack.org/training_labs/)
  - [https://wiki.openstack.org/wiki/Documentation/training-labs#Building the cluster](https://wiki.openstack.org/wiki/Documentation/training-labs#Building_the_cluster)

# Lab 1: openstack training-labs

- Objective: finish the **training-labs initialization**
  - This is a basic OpenStack initialization process
  - Test it and run it in your own platform
  - Provide your input during the whole process
- For those who said our homework is easy, you are welcome