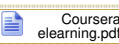


http://bit.ly/LFprep

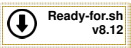
E-LEARNING: OPEN SOURCE SOFTWARE DEVELOPMENT, LINUX AND GIT

Once registered via the Coursera website, you can immediately access the courses in this specialization via your [Coursera account](#). You can download the welcome document for this course from [here](#).



DOWNLOAD THIS TOOL AND VERIFY YOUR COMPUTER IS READY FOR AN LF COURSE

What do I need to be ready for the Coursera class?



Open Source Software Development, Linux and Git

A list of HW and SW requirements for your Linux computer can be found at the bottom of this page. However, the following [ready-for.sh](#) script automates checking that your Linux computer meets minimum requirements, installs missing software, and downloads course material tarballs in order to prepare for class.

Running this before class, ideally somewhere with fast Internet, can save a lot of time during class time (we can't guarantee fast internet depending on where the class is taught).

This script only works on Linux. It does not work on MacOS nor Windows.

When you run the script, it might ask for a password. Enter your own login password. (If you're curious, it uses sudo - even installs and sets up sudo if needed).

1. Download [ready-for.sh](#) v8.12 (md5sum b288f9f2d8db25c705f6173db1ae345)

wget http://bit.ly/LFready -O ready-for.sh

2. Make the script executable

chmod 755 ready-for.sh

./ready-for.sh --help

Usage: ready-for.sh [options] [course] [version]
-i --distro List current Linux distro
-I --install Install missing packages for the course
-f --fix-missing Skip uninstalleable packages
-r --remove [-all] Remove installed packages for the course
-l --list List all supported courses
-C --no-cache Don't use previously cached output.
-C --no-course-files Don't install course files
-E --no-extras Don't download extra materials
-I --no-install Don't check installed packages
-R --no-recommends Don't install recommended packages
-S --no-suggests Don't install suggested packages
-N --no-vm Don't download virtual machine
-u --update Update to latest version of this script
-v --verify Verify script MD5sum
-V --version List script version
-v --verbose Turn on extra messages
-y --yes Answer 'yes' to every question
-h --help What you just typed to see this
-H --advanced-help Even more esoteric options for debugging

Example: ready-for.sh --install Coursera

You can ask for a specific version of a course like this:
ready-for.sh LF466v6.4.3

3. Run script with the appropriate six character course number (Coursera in the example below)

./ready-for.sh Coursera

4. If the previous step told you there were missing packages, run it with --install to download/install any missing packages (it will prompt you for your sudo password)

./ready-for.sh --install Coursera

IT SAYS SOMETHING WENT WRONG. WHAT DO I DO?

- ☒ all ☐ Developer ☐ Embedded ☐ Instructor-led ☐ On-site
☐ Self-paced ☐ edX ☐ Coursera ☐ Sysadmin ☐ Virtual
- Code Available Self-Paced Courses**
- Coursera**
- Open Source Software Development, Linux and Git (Coursera)
- LF0210 Fundamentals of Professional Open Source Management
- LF0201 Intro to Open Source Development, Git, and Linux
- LF0232 Cloud Foundry for Developers
- LF0254 Containers for Developers and Quality Assurance
- LF0259 Kubernetes for Developers
- LF0271 Hyperledger Fabric Fundamentals
- LF0272 Hyperledger Fabric Fundamentals for Developers
- LF0101 Introduction to Linux (edX)
- LF0103 Introduction to Apache Hadoop (edX)
- LF0132 Introduction to Cloud Foundry and Cloud Native Software Architecture (edX)
- LF0151 Introduction to Cloud Infrastructure Technologies (edX)
- LF0152 Introduction to OpenStack (edX)
- LF0153 Building Microservice Platforms with TARS (edX)
- LF0157 Introduction to Serverless on Kubernetes (edX)
- LF0158 Introduction to Kubernetes (edX)
- LF0161 Introduction to DevOps: Transforming and Improving Operations (edX)
- LF0163 Introduction to ONAP: Complete Network Automation (edX)
- LF0164 NFV Acceleration: An Introduction to OPNFV (edX)
- LF0165 Introduction to Open Source Networking Technologies (edX)
- LF0170 Blockchain: Understanding Its Uses and Implications (edX)
- LF0171 Introduction to Hyperledger Blockchain Technologies (edX)
- LF0201 Essentials of System Administration
- LF0205 Administering Linux on Azure
- LF0211 Linux Networking and Administration
- LF0216 Linux Security Fundamentals
- LF0232 Cloud Foundry for Developers
- LF0241 Monitoring Systems and Services with Prometheus
- LF0242 Cloud Native Logging with Fluentd
- LF0243 Service Mesh Fundamentals
- LF0244 Managing Kubernetes Applications with Helm
- LF0252 OpenStack Administration Fundamentals
- LF0253 Containers Fundamentals
- LF0258 Kubernetes Fundamentals
- LF0261 Implementing Continuous Delivery
- LF0263 ONAP Fundamentals
- LF0264 OPNFV Fundamentals
- LF0265 Software Defined Networking Fundamentals
- LF0266 DevOps for Network Engineers
- LF0267 Jenkins Essentials
- LF0268 CI/CD with Jenkins X
- LF0272 Hyperledger Fabric Administration
- LF0273 Hyperledger Sawtooth Administration
- LF0211 Node.js Application Development
- LF0212 Node.js Services Development
- Code Available Instructor-Led Courses**
- LF0301 Introduction to Linux for Developers and GIT
- LF0401 Developing Applications for Linux
- LF0420 Linux Kernel Internals and Debugging
- LF0430 Developing Linux Device Drivers
- LF0432 Developing on Cloud Foundry
- LF0435 Embedded Linux Device Drivers
- LF0440 Linux Kernel Debugging and Security
- LF0450 Embedded Linux Development
- LF0459 Kubernetes for App Developers
- LF0460 Building Embedded Linux with the Yocto Project
- LF0300 Fundamentals of Linux
- LF0301 Linux System Administration
- LF0305 Deploying and Managing Linux on Azure
- LF0311 Advanced Linux System Administration and Networking
- LF0416 Linux Security
- LF0422 High Availability Linux Architecture
- LF0426 Linux Performance Tuning
- LF0430 Linux Enterprise Automation
- LF0432 Essentials of OpenStack Administration
- LF0457 Advanced OpenStack Administration
- LF0458 Kubernetes Administration
- LF0462 Open Source Virtualization
- LF0465 Software Defined Networking with OpenDaylight

WHAT ABOUT USING A VIRTUAL MACHINE FOR THE COURSE?

You can find prebuilt VM images for this course [here](#).

Information on how to install the VMs, logins for the VMs, and more can be found [here](#).

(The links may ask for a username/password which is in the document at the top of this page, or if you mouse over the link above)

[ArchLinux](#) [CentOS-8](#) [CentOS7](#) [Debian-10](#) [Fedora-32](#) [Fedora-33](#) [GENTOO](#) [openSUSE-Leap-15-2](#) [Ubuntu-16-04](#) [Ubuntu-18-04](#) [Ubuntu-20-04](#) [Ubuntu-20-10](#)

For a more detailed explanation of all the possible methods of installation, please view a more comprehensive explanation [here](#).

If your computer isn't powerful enough to run a virtual machine, you may elect to use a cloud service provider like [AWS](#).

WHAT DOES MY LINUX COMPUTER NEED FOR THE COURSE?

These numbers apply to your Linux machine you will use for the course. If you plan to use a Virtual Machine for this course, the following numbers apply to the Virtual Machine Guest, NOT the host operating system.

Coursera: Open Source Software Development, Linux and Git	Direct URL
Title	Open Source Software Development, Linux and Git
Attributes	Coursera, Self-paced
Internet Access	Required
OS required for class	Linux
Virtual Machine	Acceptable
Required CPU Architecture	x86_64
Preferred Number of CPUs	2 (minimum 1)
Minimum CPU Performance	2000 bogomips
Minimum Amount of RAM	1 GiB
Free Disk Space in \$HOME	5 GiB
Free Disk Space in /boot	128 MiB
Distro Architecture	x86_64
Unsupported Linux Distros	CentOS-6, Debian-8, Fedora-30, LinuxMint-18.3, openSUSE-42.3, OracleLinux, RHEL-6, SLES-12.2, Ubuntu-19.10
Package List	Select Distro

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