

Unix Reference

This section of the [Unix Tutorial](#) is created to make it even easier for you to find the right answer to your task or problem. If you have a suggestion on improving the structure of this reference index, please [let me know](#).

Complete Reference Topics

My plan is to make each of the reference pages below into readable and printable PDF/MOBI ebooks.

These are some of the most fundamental areas of systems administration in my day-to-day life – both at customer sites, within my [Tech Stack Solutions consultancy](#) and even in the [Unix Tutorial home office lab](#):

- [SSH Reference](#) – what it is, how it works and what are the ways to troubleshoot
- **sudo** – basics and advanced techniques for privilege escalation
- **Linux kernel** – what it is, how it works and how you can use it effectively
- [Raspberry Pi](#) – collection of my notes
- **tmux** – why and how you should use tmux for better productivity
- [SELinux Reference](#) – securing Red Hat based distributions
- **AWS** – getting started with AWS cloud

Work In Progress

These are the references I'm actively working on as of February 2020. They're drafts and as such are not public yet, but available to my [True Fans on Patreon](#).

NOTE: going public dates are not final and may slip. Also, making references public will simply mean they're complete

enough to be useful, but I'll still be working on them for the next few years.

- [Systemd](#) – growing in flexibility and popularity, this is a whole stack of managing and observing your Linux system in a new way. Will make this public in April 2020.
- [Ansible Reference](#) – automation and post-configuration with the Ansible solution from Red Hat. Reference will be made public in March 2020
- [OpenStack](#) – how to setup and use your own (on-prem) cloud solution. Work in progress (True Fans only for now), will make this public in May 2020.
- [Docker](#) – basics description and common operations for container management in Linux and macOS. Will be made public in April 2020.

Unix distros

- [Ubuntu releases and codenames](#)
- [MacOS releases and codenames](#)

Working with users and groups in Linux

UserID and GroupID

- [find unix user id \(user id in unix\)](#)
- [find out group ID \(gid\) for unix user](#)
- [list groups a user belongs to](#)
- [how to create user accounts](#)
- [what to do if numeric ids are shown instead of usernames](#)
- [find if a user was created or deleted](#)

sudo

- [using visudo](#)
- [visudo tutorial](#)

File and directory manipulations

- [mtime](#)
- [diff unix tutorial](#)
- [find large files in unix](#)
- [unix symlinks](#)
- [Linux: create directory](#)
- [what is ln?](#)
- [find files that belong to a unix user or group](#)

Unix shells and shell sessions

- [save log unix](#)
- [find bash version](#)

Unix scripting

- [unix script arithmetic](#)
- [time and date in scripts](#)
- [variables in Unix scripts](#)

Unix distributions and versions

Linux Standard Base

- [find Linux version using LSB](#)

Red Hat

- [redhat version](#)

X Window System

GDM – Gnome Display Manager

- [gdm disallowtcp](#)

Networking

- [netstat](#)
- [5 things you can do with netstat](#)
- [ip command](#)
- [Test connectivity with curl](#)
- [Find network connections with lsof](#)

Unix sockets

- [unix sockets](#)