

# Linux SysAdmin Decal: Reading/Resource List

## Fall 2023

Lab	Topic	Reading
1	History of UNIX, Intro to Shell, FOSS	<p>Intro to Linux man page <a href="http://man7.org/linux/man-pages/man1/intro.1.html">http://man7.org/linux/man-pages/man1/intro.1.html</a></p> <p>FOSS licenses <a href="https://choosealicense.com/licenses/">https://choosealicense.com/licenses/</a></p> <p>Basic terminal commands  <a href="https://github.com/juanfrans/GSAPP-AP/wiki/Basic-Terminal-Commands">https://github.com/juanfrans/GSAPP-AP/wiki/Basic-Terminal-Commands</a></p> <p><b>Resource:</b> tldr is a nice tool for searching up commands  <a href="https://tldr.inbrowser.app/">https://tldr.inbrowser.app/</a></p>
2	Core Shell & Shell Scripting	<p><b>Core Shell</b></p> <p>Command line shortcuts  <a href="http://teohm.com/blog/shortcuts-to-move-faster-in-bash-command-line/">http://teohm.com/blog/shortcuts-to-move-faster-in-bash-command-line/</a></p> <p>How to learn vim  <a href="https://medium.com/actualize-network/how-to-learn-vim-a-four-week-plan-cd8b376a9b85">https://medium.com/actualize-network/how-to-learn-vim-a-four-week-plan-cd8b376a9b85</a></p> <p>Tmux cheat sheet <a href="https://gist.github.com/MohamedAlaa/2961058">https://gist.github.com/MohamedAlaa/2961058</a></p> <p><b>Shell Scripting</b></p> <p>Bash reference manual  <a href="https://www.gnu.org/savannah-checkouts/gnu/bash/manual/bash.html#Introduction">https://www.gnu.org/savannah-checkouts/gnu/bash/manual/bash.html#Introduction</a></p> <p>Shell Tools and Scripting <a href="https://missing.csail.mit.edu/2020/shell-tools/">https://missing.csail.mit.edu/2020/shell-tools/</a></p> <p>Bash Script Examples  <a href="https://linuxhint.com/30_bash_script_examples/">https://linuxhint.com/30_bash_script_examples/</a></p>
3	Packages	<p>FPM Documentation <a href="https://github.com/jordansissel/fpm/wiki">https://github.com/jordansissel/fpm/wiki</a></p> <p>dpkg man page <a href="https://linux.die.net/man/1/dpkg">https://linux.die.net/man/1/dpkg</a></p> <p>apt man page <a href="https://linux.die.net/man/8/apt">https://linux.die.net/man/8/apt</a></p> <p><a href="#">Developers shouldn't distribute their own software</a> by Drew DeVault</p> <p><a href="#">Rolling distribution releases versus periodic releases are a tradeoff</a> by Chris Siebenmann</p> <p><a href="#">Package Management</a> by the DebianWiki</p> <p><a href="#">pacman</a> by ArchWiki</p> <p><a href="#">Debian Packaging Tutorial</a>. You can put this in your /usr/share/doc/ by installing packaging-tutorial</p> <p><a href="#">Debian Binary Package Building HOWTO</a> by Chr. Clemens Lee</p>
4	Services	<p>Systemd as a bootup manager  <a href="http://Opointer.de/blog/projects/systemd-for-admins-1.html">http://Opointer.de/blog/projects/systemd-for-admins-1.html</a></p> <p>Systemd internet services  <a href="http://Opointer.de/blog/projects/socket-activated-containers.html">http://Opointer.de/blog/projects/socket-activated-containers.html</a></p> <p>Understanding systemd units and unit services</p>

		<a href="https://www.digitalocean.com/community/tutorials/understanding-systemd-units-and-unit-files">https://www.digitalocean.com/community/tutorials/understanding-systemd-units-and-unit-files</a>
5	Networking 101	Curl vs wget <a href="https://daniel.haxx.se/docs/curl-vs-wget.html">https://daniel.haxx.se/docs/curl-vs-wget.html</a> TCP vs UDP <a href="https://www.guru99.com/tcp-vs-udp-understanding-the-difference.html">https://www.guru99.com/tcp-vs-udp-understanding-the-difference.html</a>
6	Web Servers	HAProxy <a href="https://www.haproxy.com/blog/the-four-essential-sections-of-an-haproxy-configuration">https://www.haproxy.com/blog/the-four-essential-sections-of-an-haproxy-configuration</a> DNS guide <a href="https://www.digitalocean.com/community/tutorials/an-introduction-to-dns-terminology-components-and-concepts">https://www.digitalocean.com/community/tutorials/an-introduction-to-dns-terminology-components-and-concepts</a>
7	Security Fundamentals	Gnupg privacy handbook <a href="https://gnupg.org/gph/en/manual.pdf">https://gnupg.org/gph/en/manual.pdf</a> OpenPGP history <a href="https://www.openpgp.org/about/history/">https://www.openpgp.org/about/history/</a>
8	Version Control and Backups	Git tutorial <a href="https://www.vogella.com/tutorials/Git/article.html">https://www.vogella.com/tutorials/Git/article.html</a>
9	Docker	Docker overview <a href="https://docs.docker.com/get-started/overview/">https://docs.docker.com/get-started/overview/</a> Dockerfile best practices <a href="https://docs.docker.com/develop/develop-images/dockerfile_best-practices/">https://docs.docker.com/develop/develop-images/dockerfile_best-practices/</a>
10	Kubernetes	Kubernetes deployments doc <a href="https://kubernetes.io/docs/concepts/workloads/controllers/deployment/">https://kubernetes.io/docs/concepts/workloads/controllers/deployment/</a> OCF's kubernetes <a href="https://github.com/ocf/kubernetes">https://github.com/ocf/kubernetes</a>
11	Puppet (Optional)	Puppet documentation <a href="https://puppet.com/docs/puppet/latest/puppet_index.html">https://puppet.com/docs/puppet/latest/puppet_index.html</a>