

Project Idea	Specific Project / Component
Scratch Your Own Itch	
	Find a real need you have and fill it using a Linux based solution.
	Blog
	Wiki
	Media Server
	etc...
Configure the LAMP Stack	
	Linux
	Apache
	MySQL
	PHP
Deploy an Open Source Application	
	Alfresco
	Bugzilla
	DokuWiki
	Drupal
	Etherpad Lite
	Gitlab
	Joomla
	MediaWiki
	Moodle
	osTicket
	OwnCloud
	phpBB
	PunBB
	Redmine
	ServiceDesk Plus
	SugarCRM
	Trac
	Twiki
	WordPress
	Zen Cart
Configure Common Services – Client AND Server	
	cron
	CUPS
	DHCP
	DNS
	Email (SMTP, POP, IMAP)
	LDAP
	NFS
	NIS
	NTP
	SSH

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Configure Monitoring	
	Cacti
	Icinga
	Monit
	Munin
	Nagios
	OpenNMS
	Zabbix
	Zenoss
Create a Build System	
	Cobbler
	FAI
	Foreman
	Kickstart
	Razor
	Spacewalk
Create a Centralized Syslog Server	
	ELK Stack: Elasticsearch, Logstash & Kibana
	Fluentd
	Logstash
	Kibana
	Splunk
	syslog-ng
System Automation	
	Ansible
	Chef
	MakeFiles and/or RakeFiles
	Puppet
	Salt Stack
	Write Shell Scripts
Cluster All The Things	
	Load balance web servers or other services using HAProxy
	Create a MySQL Cluster
	Create a GlusterFS Cluster
	Red Hat Cluster (Conga)
Build a NAS	
	NFS
	Samba
Practice Migrating Data	
	Migrate data from a disk on one server to a disk on another server.
	Migrate Databases.
	Live migrations
	Export / Import

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Create and Manage Users	
	FreeIPA
	LDAP
	NIS
	User name ideas: <a href="http://www.fakenamegenerator.com/">http://www.fakenamegenerator.com/</a>
Configure a Backup Server	
	Amanda
	Bacula
	Rsnapshot
	Rsync + SSH
Configure a Firewall	
	IPtables
	UFW
Learn LVM	
	Create and restore snapshots
	Extend volumes without downtime
Configure a Proxy Server	
	Apache
	Squid
	NGINX
	Pound
Learn Revision Control	
	CVS
	Git
	RCS

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