

# Free Software Servers

Just another Linux/Server blog.. with some other stuff thrown in - 100% NOT FOR PROFIT



## Android

- Android Downloads
- Flashing Files on Android
  - ADB - Android Developer Bridge
    - Device not Recognized in ADB Mode
    - Push Files via ADB to Android Device
  - Dirty Flashing Steps
  - Fastboot
    - Device not recognized in Fastboot/Recovery - "Android" in Device Manager
    - Fastboot Commands
    - Fastboot Flash for Each IMG
  - Flashing Google Stock Images
  - TeamWin - TWRP
    - Flash TWRP
    - Store file where TWRP can access without mounted SD Card
- General Android
  - Control Kodi From Android
  - Create Chrome Bookmark Widget - Old Widget Disappeared
  - Fix No Live Stream in ZMNinja
  - Remove USB plugged-unplugged & Low Battery Sound - TouchWiz
- LG V40 - Custom Rom - Root - Unlock Bootloader - LG405UA - Sprint/ATT
- Pixel XL Marlin
  - Complete Pixel XL Marlin Flash Guide - SuperSU (Root) - TWRP - Elemental Kernel - Pure Nexus ROM
  - Flash Android 9.0 Pie on Pixel XL Marlin - Using Magisk for Root and Custom Kernel
  - Pixel XL Marlin - Android 8 (Oreo) - Flash Magisk - TWRP - ElementalX Kernel - Systemless Root
- Root - Android
  - Magisk SU - Android Root

## API - Application programming interface

- POST to API via CURL JSON File

## Atlassian Software

- Backup Atlassian Software with Script - DB Dump - TGZ
- Bamboo
  - Install Bamboo - Ubuntu Server 14
- Confluence
  - confluence[####]: Existing PID file found during start.
  - Confluence HTTPS SSL Reverse Proxy via NginX
  - Copy {noformat} code from Jira to Confluence - Wiki Markup
  - Enable Custom Backup Locations
  - Error Importing Confluence Site - duplicate key value violates unique constraint "unq\_lwr\_username"
  - Normalize Confluence Download URLs for WGET
  - Redirect ALL HTTP 404 Error Pages in Confluence to Custom URL
- Default Confluence Folder Locations
- Install Atlassian Software - Confluence - Jira - Linux Script
- Install Confluence - Docker-Compose
- Jira Software
  - Install Jira - Ubuntu Server
  - Jira HTTPS SSL Reverse Proxy via NginX

- Locked out of Jira Software - Gain Access via Command Line - CLI

## Caddy - WebServer

- Create Caddy SystemD Startup Script
- Proxying Windows Admin Center via Caddy

## CentOS - RHEL - SL - SHMZ

- CentOS 5
  - AsteriskNOW - Module Admin - This Section does not Exist
  - Manually Upgrade FreePBX 11 to 12 via CLI - AsteriskNOW 1.7
  - Upgrade PHP 5.1 to 5.4 - CentOS 5
- CentOS 6
  - CentOS 6 General
    - Install AARCONF CentOS 6
    - Install Python Setuptools and LXML in CentOS 6
    - Upgrade to PHP v 5.4 on CentOS 6
  - HA High Availability - CentOS 6
    - Install PaceMaker + Corosync - HA - on FreePBX 10 - SHMZ release 6.6 (Final) - CentOS 6
- CentOS 7
  - CentOS 7 General
    - Add User to Sudoers in CentOS 7
    - Change CentOS 7 eno back to eth0
    - Create Virtual - Alias - NICs - CentOS
    - Enable-Install IFConfig CentOS 7
    - Install Apache2 - CentOS 7
    - Install IPTables CentOS 7
    - Install LAMP CentOS 7
    - Install MySQL - CentOS 7
    - Install UFW CentOS 7
    - NTP Not Enabled according to TimeDateCTL - CentOS 7
    - Set default text editor to Nano - Edit Crontab with Nano - CentOS 7
    - sudo: sorry, you must have a tty to run sudo - CentOS 7
  - High-Availability (HA) - CentOS 7
    - 3rd Party Guides for HA CentOS 7
    - Add Asterisk LSB Resource to HA - Pacemaker Cluster - CentOS 7
    - Add FOP2 LSB Resource to HA - Pacemaker Cluster - CentOS 7
    - Add Init.d LSB Script to PaceMaker - Corosync Cluster - PCS
    - Asterisk DRBD - HA with Pacemaker - Setup
    - Commands And Alias's
    - Destroy Cluster - Start Fresh
    - Enable PaceMaker - Corosync Cluster on Boot
    - If Service isn't running - Stop Cluster - Script
    - PCS Cluster Auth Fails - Error: Username and/or password is incorrect
    - PCS - Tips n Tricks - Constraints - Delete Resources
    - Setup HA Cluster Pacemaker - Corosync - DRBD - MySQL (MariaDB) - Apache (HTTPD) - Data Partition
      - Cluster Master Layout
      - Configure ClusterMon - Cluster Status HTML Page - SMTP Notifications
      - Configure ClusterMon - Event Notifications
      - Configure Group Start - Stop Order and Colocations
      - Create SQL-Group Pacemaker Resource - DRBD Clone - SQL Service
      - Create Virtual\_IP or Floating\_IP resource
      - Explore RHEL Management Web-Interface
      - Initialize DRBD - Migrate SQL Databases - MariaDB - CentOS 7
      - Initialize DRBD - Migrate Web-Data - Apache (HTTPD) - CentOS 7
      - Initialize Partitons for DRBD - CentOS 7
      - Initiate Apache Resource Group
      - Initiate HA Cluster - CentOS 7
      - Install DRBD 8.4 - CentOS 7
      - Using CIB to backup-import and examine the Cluster as an XML/CIB File
    - View Available PCS Resources
  - VoIP (Voice over IP)
    - FreePBX + Asterisk
      - Asterisk 11 + FreePBX 12 - CentOS 7
    - IncrediblePBX
      - Change IncrediblePBX Fail2Ban E-Mail
      - IncrediblePBX Backup and Restore scripts
      - Install - Enable - Commercial Modules - IncrediblePBX
- CentOS General
  - Disable SELinux - CentOS
  - Fix Intel Gigabit Card 82574L Missing from CentOS
  - Install and Configure Fail2Ban - CentOS
  - Install epel-release Repository in CentOS
  - RPM Remove package without remove Dependancies - Yum - Script
- Cockpit - Server Management WebUI

- Add Virtual Machine control to Cockpit
- Reverse Proxy Cockpit over NGinX
- Setup Cockpit on Fedora
- Setup SSL with Cockpit
- Fedora Server
  - Install EPEL Repo - Fedora Server
- FreePBX Distro 7 (Based of RHEL 7 - SL 7)
  - Install FreePBX Distro 7 - Sangoma 7 - Without LVM or Automatic Disk Partitioning or on Removable Disk (Adaptec 6405e)
  - Remove MariaDB 5.5 from FreePBX Distro 7 and Upgrade to MariaDB 10 with Galera
  - Use Grub2-Reboot on FreePBX Distro 7 SNG7
- Yum Package Manager
  - Exclude Package from Yum Update - Temp and Perm solutions
  - Update CentOS Cache - yum check-update

## Code Version Control

- Git
  - Checkout Specific GIT Branch
  - Git-Daemon Ubuntu 16.04 - Init Script
  - GitLab
    - Install GitLab Ubuntu 16
  - Install CGit Ubuntu 16.04

## Custom Grub Entries

- Clonezilla Grub Entry
- Create Grub2 config w Partition /dev/ vs UUID - CentOS
- Parted Magic Custom Grub Entry - 2013 - 2015 - 2016 - Ubuntu - CentOS
- Reinstall Grub 2 - CentOS
- Ubuntu Custom Grub

## Customize LiveISO's

- Basics of Creating a LiveISO
- Customize Clonezilla LiveISO
- Customize Parted Magic LiveISO
  - PMagic mkgriso Script - UnTouched
- Customizing Ubuntu LiveISO
  - RemasterSys
    - Create LiveISO from Running Ubuntu System (14.04 x64)
    - Install Remastersys - Ubuntu 14.04 x64
  - Skip Try It before Installing Screen - Ubuntu Desktop 14.04

## DBA - Structured Query Language (SQL)

- General SQL
  - .my.cnf variables
  - Allow Remote Access MySQL - MariaDB
  - Check for locked tables - Show Process list - MySQL
  - Create SuperUser MySQL
  - Dump All Databases - MySQL
  - Duplicate entry '0' for key 'PRIMARY' - MySQL
  - Fake MySQL Test Data
  - Find if Table has Primary Key
  - Find Last Update Time for MySQL Table
  - Find Size of All Databases in MySQL in MB
  - Insert CSV into MySQL Table
  - Migrate Users and Permissions - MySQL - MariaDB
  - Monitor MySQL Import after it starts
  - MySQL Check if Field is NOT NULL or EMPTY
  - Select Field by length MySQL
  - Select from where daterange relative to now() in MySQL
  - Set and Select 'max\_allowed\_packets' via CLI
  - Set mysql root PWD to Blank
  - User Permissions MySQL Queries
- MariaDB
  - CentOS - MariaDB
    - Configure Galera Cluster - MariaDB 10.1 - CentOS 7
    - Configure GARB - MariaDB - CentOS 7
    - Export and Import Databases from MySQL to Galera Cluster
    - Install MariaDB 10.1 - CentOS 7
    - WSREP: no nodes coming from prim view, prim not possible
  - General MariaDB - MySQL
    - Check Cluster Size
    - Maria Repo Generator URL
  - MariaDB - Docker
    - Install MariaDB - Docker
    - MariaDB Docker Container Arguments - Full
    - Migrate from local to MariaDB Docker Container
  - Ubuntu - MariaDB
    - Install MariaDB Ubuntu

- MariaDB Galera Cluster - Ubuntu 16
- MySQL
  - Comments Removed - Default My.CNF - Ubuntu 14 Default
  - Execute MySQL Command from CLI
  - Import SQL Dump via ZCat
  - Install MySQL 5.7 on Ubuntu 14
  - MySQL - Docker-Compose Example with Option Arguments
  - MySQL - Replication Setup Scripts
  - Test Remote SQL Access
- PostgreSQL
  - Create User - PostgreSQL CLI
  - Default PG\_HBA.conf
  - ERROR: must be owner of extension plpgsql
  - Install PostgreSQL in Docker
  - PostgreSQL - Change Port - Listen Address
  - PostgreSQL - CLI Usage
  - PostgreSQL - Setup Master Server - Replication
  - Use IP Address in PG\_HBA.CONF
  - Using PGPASS to script PostgreSQL
- SQL - GUIs
  - Install CloudBeaver
    - CloudBeaver - Predefined Data Sources
    - Install DBEaver
      - DBEaver - Data-Sources.json
  - Install OMNIDB
  - Install PGAdmin
  - Install PHPMyAdmin - Package Managers
    - Install PHPMyAdmin - Docker
  - Install PHPPGAdmin

## DD-WRT

- General DD-WRT
  - Backup or Restore DD-WRT NVRAM.Bin over SSH
  - Change Country Code in DD-WRT Router - Unlock ALL Channels
  - Create Samba/SMB Share - DD-WRT V3
  - Custom DDNS - DD-WRT - CRON - WGET
  - Edit DNSMasq.conf from DD-WRT Command Line - CLI
  - Enable SSH to DD-WRT with RSA Key
  - Find Kernel and GCC version - DD-WRT
  - Increase Wireless Signal Strength in DD-WRT Router
  - Resolve Internal Domain Name on DD-WRT Router
  - Restart DNSMasq DD-WRT Command Line
  - Set Static IP in DD-WRT Router
  - Set up OpenVPN on DD-WRT using Ubuntu Server OpenVPN keys
  - Unmasq DD-WRT Sys-Info MAC Address
  - View All Network Interfaces DD-WRT CLI
  - Wireless Repeater Bridge - DD-WRT
- Linksys EA-6500
  - Enable Cisco Light Linksys EA6500
  - Install DD-WRT on Linksys EA6500
  - Resolve Two 2.4Ghz NICs DD-WRT - Linksys EA6500
  - Restore Linksys EA6500 Firmware - Bricked - Using TFTP

## Docker

- Autostart Docker Container - SystemD Service Unit Example
- Docker Bind Container and Host Dir
- Docker Container IP to Variable
- Docker - Copy Files to and From Host
- Docker - Dont Auto Start Service - Profiles
- Docker Execute Script in Container
- DockerFile - Custom Containers
  - Basic DockerFile Creation
  - Docker CP
  - DockerFile - SupervisorD - Multiple Services in Docker Build
  - Keeping Container Running
  - Run Container from DockerFile - Docker Image
  - Run or Build - DockerFile - Via Docker-Compose
- Docker General Commands
- Docker - Installation
  - Configure Docker behind Corp Proxy
  - Docker - Install Template
  - Install Docker via APT
  - Install or Update to Latest Docker-Compose Script
- Docker Port Mapping
- Docker Random Scripts
- Docker Volume Mapping
- Install Portainer - A Docker WebUI - via Docker

## E-Mail - Linux

- MSMTMP - Ubuntu - CentOS
- PostFix - Ubuntu - CentOS
  - Setup Postfix Relay in Docker Container
  - Setup PostFix Satellite Relay System - WAN VM & LAN VM Configuration
- Send E-Mail via Command Line CLI - Linux
- SSMTP - Ubuntu - CentOS

## Emulators

- YuZu - Switch Emulator
  - Adding Mods to Game - YuZu
  - Setup YuZu Emulator - Portable
  - Vulkan vs OpenGL - YuZu
  - XCI vs NSP - YuZu Performance
  - YuZu - Graphics Options
  - Zelda - Links Awakening - YuZu Setup

## Filesystems

- MDADM
  - Destroy MDADM Array
  - MDADM MD0 Configuration - RAID 5 with existing data - Creating Degraded Array + Adding Disk to Mdadm
  - Migrate MDADM to new Server
- MergerFS
- MHDDFS - Multi-Hard Drive Disk Filesystem
  - Setup MHDDFS - Ubuntu
- ZFS
  - Check if ZFS Pool is Mirror or Stripe
  - Create RAID-Z Pool with 3 Drives
  - Create ZFS Raid Mirror with One Disk - Degraded - Missing
  - Disable ZFS at Boot
  - Grow or ReSize - ZFS Partition - Pool
  - Rename ZFS Pool
  - Use ZFS Inside Docker Container - FileServer Container with SMB and NFS
  - ZFS Convert or Change from /dev/sdb to /dev/disk/by- Unique Identifier
  - ZFS Notes
  - ZFS Remove Device
  - ZFS - Two Mirrors - One Pool
  - ZPool - ZFS - Set - Check Properties

## Guacamole - Clientless Web Based Remote Desktop

- Connecting to Windows via RDP - Guacamole
- Remote Desktop - Linux - HTML5 - Guacamole - Docker-Compose

## Home-Security

- Agent DVR - iSpy - Docker
- Motion and MotionEye - Docker Install Guide
- Shinobi - Home-Security - Docker Install
- Wyze
  - Enable WyzeCam v3 RTSP support - Wyze-Bridge - No Custom Firmware - Docker-Compose
- ZoneMinder
  - Camera Configuration - ZoneMinder
    - Configure QCAM IP3M952E for ZoneMinder - RTSP
    - Dahua IPC-HFW4300S
      - Configure Dahua Chinese WebUI in English
      - Configure Dahua IPC-HFW4300S for ZoneMinder
      - Remove Dahua Video Overlay Time Date and Camera Name
    - FosCam
      - Configure Foscam FI9821W V2 - ZoneMinder - PTZ
    - GenBolt IP Camera
      - GenBolt - RTSP URL
  - Install ZMNinja inside Browser - ZoneMinder WebUI
  - Install ZoneMinder - Ubuntu
  - ZoneMinder Configuration
    - Check ZoneMinder Camera State via CLI
    - Configure E-Mail notifications from ZoneMinder with MP4 Attachments
    - Enable Control Tab ZoneMinder
    - Event trigger on Camera A triggers Event on Camera B - Linked Monitors ZoneMinder
    - Fix - "Config mismatch, expected 225 items, read 224. Try running 'zmpupdate.pl -f' to reload config." - ZoneMinder
    - General ZoneMinder Zone Configurations
    - Ping Cell IP and Set ZoneMinder Mode - Bash Script
    - Preferred RTSP method in ZoneMinder - Force TCP - Stop Smearing/Tearing
    - Schedule MoDeect with ZoneMinder for Daytime/Nighttime and Weekday /Weekend
    - Setup Events and Images locations - ZoneMinder

- ZoneMinder default storage location for events & images
- ZoneMinder default web folder location
- ZoneMinder Functions Explained
- ZoneMinder - TimeStamp Label Format
- Install ZM - ZoneMinder via Docker

## HyperVisors

- Hyper-V
  - Change Ownership of Hyper-V VM
  - Convert VMDK or OVA to VHD
  - Disable Hyper-V from Auto taking control of VTx HyperVisor at boot
  - Linux Guests - Hyper-V
    - Install Hyper-V Integration Services - Guest Tools
      - Install Hyper-V Integration Services - Guest Tools - CentOS/RHEL
      - Integration Services - Ubuntu Debian - Hyper V - Apt-Get
    - Transfer Files to Linux Guest - Hyper-V
  - Windows Server Guests - Hyper-V
    - We Couldnt Complete the Updates Undoing Changes Error on Windows Server 2012 R2
- KVM - Kernel-based Virtual Machine
  - CentOS- KVM
    - Setup KVM for CentOS 7
  - Fedora
    - Install Kimchi HTML5 KVM Manager - Fedora 27
    - Install Kimchi HTML5 KVM WebUI - Fedora Server
    - Install Virtualization Suite - Fedora
    - Install WOK Fedora Server
    - KVM NVidia GPU Passthrough on Fedora 27
    - Setup br0 in Fedora27 with nmtui
  - General KVM
    - Add Qemu Command Line Args to Domain XML LibVirt - Virsh
    - CPU Pinning on KVM for Windows 10 Gaming Guest
    - Find IP of KVM Guest attached to br0 Bridged NIC
    - Find Qemu CLI Commands used to Start Guest
    - Hide the fact Windows is running in a VM - Virtual Machine - with KVM
    - KVM Passthrough BluRay drive directly to VM
    - Prep Linux OS for GPU Passthrough - Blacklist nouveau and use vfio-pci drivers script
    - Setup Linux for HugePages for use with KVM Guest
    - Virsh Pool Management Commands
  - MacOS X - Qemu
    - MacOS X 10.12 Sierra Guest on KVM/Qemu Fedora Host
- VirtualBox
  - VirtualBox Headless Linux Server
    - AutoStart VirtualBox VM Headless with Upstart (init.d) Script - Ubuntu Server and VBox 5.\*
    - Install and Uninstall VirtualBox Guest Additions - Ubuntu VM - Command Line
    - Install PhPVirtualBox 5 on Ubuntu Server 14.04 x64
    - Install VirtualBox 5 + Extension Pack + DL Guest Additions ISO - Ubuntu 14
    - Install Virtualbox Extension Pack Script to match installed Version - Server
    - Move VirtualBox VM's from headless server with SCP
    - Recompile VirtualBox Kernel - Server
    - Unable to Register VM due to DvD Image - VirtualBox CommandLine
    - Uninstall VirtualBox Extension Pack - Ubuntu Server
    - VirtualBox - VBoxManage - Useful Command Line Arguments
  - VirtualBox Windows
    - Fix Virtualbox Error (0x80004005)
    - Fix VirtualBox Error Failed to register ourselves as a PCI Bus (VERR\_MODULE\_NOT\_FOUND). - Windows 10
    - Mount Shared Folder Ubuntu Guest VirtualBox & Auto Mount at Boot
    - Test LiveUSB in VirtualBox
- VMWare
  - ESXi
    - 3rd Party Tools - Drivers
      - Install Realtek 8168/8111/8411/8118 Drivers - VIB - CLI - ESXi 6
      - Install VIB ESXi CLI
      - VibsDepot V-Front
    - Create Custom ESXi ISO
      - Download VMWare Software Manager - Offline Bundle.zip
      - ESXi 6 on Intel Skylake B150 Chipset
      - ESXi Customerizer Script - Powershell - VSphere CLI
      - Get VMWare ESXi offline bundle with Trial License
      - Install VMWare PowerCLI
    - ESXi Host
      - Add ISO from Datastore to Guest VM - ESXi
      - Add License to VMWare ESXi Host from VSphere Client
      - Clone Any Version VMWare Virtual Machine \_ VMWare 6.\* Version 11 \_ Without Server Center ESXi
      - Correct CD-ROM state pre-export of ESXi VM

- Deploy VM from ESXi Datastore - NFS
- Enable NTP ESXi 6
- Enable RSA Key Authentication with ESXi 6.0 - One Command
- Enable SSH in ESXi Host
- esXi 6.0 default web document root location
- ESXi 6 - Locked out of Root User
- ESXi Deployment Checklist
- ESXi HTML5 Web-Client for HOST - No VCenter
  - Customize ESXi HTML5 Web Client
  - ESXi HTML5 - Web-Client - ProxyPass with Websocket (secure) Support - Apache
  - ESXi HTML5 - Web-Client - ProxyPass with Websocket (secure) Support - NGINX
  - Install ESXi HTML5 Web Client
- esXi Password Requirements
- Expose local disk to VMWare ESXi Guest - GPT MBR Greater than 2TB
- Fix All Invalid esXi VM's in one line of code
- Installing esXi with less than 4GB Ram
- List Network Cards and Driver Versions and Find All Nic Compatible Params - ESXi
- Mounting or Troubleshooting NFS mount ESXi 6 CLI
- Pass Through NVidia GT 1050 to VMWare ESXi Windows Guest - VT-D - IOMMU - DirectPath IO
- Recover broken esXi - Reinstall esXi without wiping Datastore and re-register VMs
- SSL Certs - ESXi
  - Install Comodo PositiveSSL certs in VCenter 6.0 Linux Appliance
  - Install Comodo POSITIVESSL in esXi 6.0 host
- Unsupported hardware family 'virtualbox-2.2' - Migrate VBox OVA to VMWare ESXi
- Upload ISO to datastore ESXi Host
- VMWare ESXi 6.0 - Failed to deploy OVF package: The task was cancelled by a user.
- Linux Guests - ESXi
  - Change Ubuntu Desktop ESXi guest resolution via CLI
  - ESXi CyberPower UPS Monitoring VM
  - Fix - Device eth0 does not seem to be present, delaying initialization" Error - CentOS Deployed VM
  - Install VMWare Tools - Ubuntu - CentOS
  - OS X on VMWare
    - Install OS X on esXi 6.0 non Apple Hardware
    - Prep esxi OS X Guest VM HDD for OS X Install - Fix "There is not enough free space on OS X Base System to install" esXi
- vCenter Linux Appliance
  - Add License to VCenter Linux Appliance via Web UI
  - Add local ESXi host to VCenter - Create datacenter
  - Disconnected ESXi 6 host from VCenter from ESXi host
- vCLI - vSphere SKD for Perl
  - Install vCLI 6 on CentOS 7 - vSphere SDK for Perl
  - Install vCLI 6 - Ubuntu 14.04 - vSphere SKD for Perl
- VMWare ESXi CPU Virtual Sockets, Virtual Cores and Advanced Settings Explained
- Windows Server Guests
  - Fix Time CMD for Windows Server 2012
  - Nested Hyper-V on esXi 6 with Windows Server 2012 R2
  - Windows 10 ESXi Resolution Fix
- ESXi Backup Solutions
  - Nakivo
    - Install Nakivo - Linux
- VM Guest Template Checklists - VMWare
  - Ubuntu Server Basic Template - VMWare
- VMWare Install Error 29141
- VMWare Workstation
  - AutoStart VMWare Workstation VM - Windows
  - Install VMWare Workstation - Ubuntu

## Jenkins

- Deploy Known\_Hosts to Servers
- Deploy VM\_INFO Tag to XYMon via Jenkins - Monitor VM-Stats via py-vminfo.py
- Disable Jenkins Security - Locked out of Jenkins
- Install Jenkins Ubuntu
- Use Jenkins as CRON with Daily E-Mail for Console Output - Logs

## Linux - Generic

- Add SSH Host Key to Known\_Hosts
- Automatically reboot server with high CPU Load - Linux

- Bash - Pass Command Line Argument to Script
- Bashrc Aliases
- Bash Script - Check if SystemD service is Running
- Bash Scripting - General
  - Bash Arrays - For Each
- Bash - While Loop
- Bash - While Loop - Output of Command
- BINDING directories
- Cannot accept non-LF line endings in 'svn:log' property - SVN Migration
- Cat Text to File - EOL - Without opening text editor
- Clone SSH Host Key to new Server
- Continuous Ping Check Script - If Then - Bash
- Create Custom UPStart Init.D Script
- Cron Troubleshooting
  - /etc/cron.daily/logrotate: mysql.log Error
  - Directive 'allow\_call\_time\_pass\_reference' is no longer available in PH
  - Redirect Cron Output to Null
- cURL
  - cURL - Common Flags
  - cURL - Send JSON File
  - Disable Curl SSL Verification Globally
  - Display cURL JSON output - Pretty
  - Download RAW File from GitHub via CURL
  - Set cURL Options for User in File
  - Test Curl SSL
- Date Variables - Bash
- Dirty Cow
- Disable Laptop Sleep Lid Close - Server - SystemD
- Disable StrictHostKeyChecking SSH
- Doing Math in Bash Variable
- Download Entire YouTube Playlists - Extract Audio - Linux
- echo Alias to BashRC
- Find All Local Users
- Find Grub Version - Grub2 vs Legacy
- Find is Linux System in BIOS or UEFI
- Find Offending line in Known\_Hosts - buffer\_get\_string\_ret: buffer\_get failed key\_from\_blob: can't read key type
- Find Server SSH Fingerprint via CLI
- Fix Gparted Stuck Searching Partitions - New Disk
- Fix PHP date.timezone is not set
- Generate Entropy - Ubuntu
- Grant Passwordless Shutdown to a User
- If service isn't running do - Script
- Installing Linux on BIOS Raid doesn't boot - Cant find root/boot partition
- Install NMap - Ubuntu - CentOS
- Keep VGA Console Always Alive - Grub Param
- Mount Disks in FSTAB
- Parted CLI - GTP - EXT 4 - Properly Aligned
- Pass MYSQL Username and Password via CLI in a FILE - NO USER INTERACTION
- Passwordless Sudo
- Pause Script - Wait for KeyPress - Linux
- Port Forward Vyatta
- Ports and Commands to Open or Close them - FirewallD
- Ports and Commands to Open or Close them - UFW
- PowerPanel PWRSTATD - Configurations
- Random GREP - SED - AWK - CAT - FIND - XARGS
- Replace drive in MDADM Software Raid
- RSync - Common Flags
- RSync Entire FileSystem and Restore on New Server
- Run Command after Boot - RC.Local & Cron
- Send E-Mail via BusyBox v1.19.4 - CLI - G-Mail and Comcast
- Set Hostname via HostnameCTL
- Unpack - Unzip - OVA - Linux CLI
- Vaildate IP and run script or set static IP via dhclient.conf - IP issues Check
- While Loop that Never Ends - Bash

## Mac OS

- Auto Login Mac
- Dual Boot Windows 10 and Mac OS High Sierra without BootCamp
- MacOS Startup Keyboard Shortcuts

## Media Servers - Kodi - Jellyfin - Emby - Plex

- Emby - Media Server
  - Install Emby via Docker-Compose
- Jellyfin - Open Source Media Player
  - Jellyfin Install - Docker-Compose
  - Jellyfin - NGinX Reverse Proxy
- Kodi - Formerly XBMC
  - Delete Kodi SQL Databases and Start Fresh



- Disable Controller Input - Xbox 360
- Install and Connect Emby Server with Kodi 17 Krypton
- Install Kodi 16 on Ubuntu 16.04
- Install KodiPlexConnect on Kodi 17.6 Krypton
- Install PlexBMC on Kodi Jarvis
- Kodi - Download Old Release
- Kodi Log Locations - Windows - Mac - Linux
- Kodi - Make Kodi Use External Player MPC or VLC x64
- Manually Delete Kodi TV / Movie DataBase Windows
- My Ultimate HTCP - Plex + Kodi + VLC-MPC + More
- Run Kodi in Portable Mode with Relative Paths
- Setup Kodi to use (MariaDB) SQL Database running in Docker Container
- Plex - Media Server
  - Install Plex via Docker

## Microsoft Office - VBA - Macros

- Customize Ribbon Microsoft Office
- Distributing Macros
  - Distributing Excel Macros via Add-Ins and Customized Ribbon
    - ImageMSO - Fav List
  - Distributing Macro via Add-In - Customized Ribbon - Via Batch
- Excel - Non-VBA
  - Copy Excel Formulas without changing references
  - DropDown Lists - DataValidation - Excel
    - Search DropDown List - DataValidation - Excel
      - List Search Add-In by Exel-Campus
  - Excel Find Max Min Value in Column Based on Criteria
  - Excel Reference Another Sheet in Formula
  - Strip Part of String via Formula - Numeric Result
  - Using Arrays - CTRL + SHIFT + ENTER - Excel
- VBA
  - Add Date Header and Page Number Footer - VBA
  - Add Keyboard Shortcut to Custom Ribbon - OfficeUI
  - Add String with Quotes in VBA
  - Assign Keyboard Shortcuts to Macros via Macro in VBA
  - Calling Batch file or CMD via VBA
  - Certificate Signing of VBA Macro's/Projects
    - Create Code Signing Cert for VBA and Publish without Admin Privileges
    - Get Certificate Thumbprint via Batch-Powershell
  - General VBA
    - Check if Directory Exists and If Not Create It - VBA
    - Check if Variable is NULL - VBA
    - Check or Add Reference Library - VBA
    - Check Variable for Special Characters - VBA
    - Compile Error: Expected variable or procedure, not module - Macros - Microsoft Office
    - Copy Text to Clipboard - Macro
    - Copy to Clipboard via VBA
    - Create Input Box with Default Setting - Office VBA
    - Creating an Update MsgBox that only runs once with VBA
    - Date Variables - VBA
    - Declaring Function for Different Versions of Microsoft Office - 32 vs 64 - 2007 vs 2010
    - Decode or Encode URLs via VBA
    - Delete File VBA
    - Display Variable in MsgBox - VBA
    - Error: DataObject.GetText Invalid FORMATETC structure - Clipboard Gets Cleared During Macro Execution - VBA
    - Folder Picker - VBA
    - Forcing or Changing Value to Capital Letters in VBA
    - Global Variables in VBA
    - Input Box - VBA
    - Install Font via VBA Without Admin Privileges
    - Method 'Run' of object IWshShell3 failed - VBA
    - Multi-Line MsgBox in VBA
    - ObjArgs - VBA - For Each ObjArg - Named Args
    - RegexReplace Function
    - Remove Non-ASCII Characters - VBA
    - Save Document - Microsoft Office - Macro
    - Search AKA Grep for String in Text File with VBA
    - Search String for SubString via LEFT - VBA
    - SendKeys - VBA
      - Sendkeys - VBS VBScript
    - Set Value everything after or before = Symbol - VBA
    - Simple VBA Template
    - Sleep - Wait - Delay - VBS
    - Split String by NewLine in Array - VBA
    - Use Windows Environment Variables like %APPDATA% in VBA
    - Using "Case" Statements with VBA

- Using Dates with VBA
- Using Functions in VBA to get Result
- Using GoTo with VBA
- Using Shell in VBS VBScript
- VBA - 1 Hour From Current Time - DateAdd
- VBA Data Types
- Working With Files - VBA - Does File Exist - Write - Read - To Text File
- Yes or No Input Box - VBA
- Images - VBA
  - Download and Import Image from URL - VBA
- JSON - VBA
  - Parsing JSON - VBA
- Microsoft Excel - VBA
  - ActiveSheet Name - Excel VBA
  - Advanced Filter - Excel VBA - Unique Values
  - Apply Conditional Formatting - Excel VBA
  - Arrays - VBA
    - ArrayList - VBA
    - Basic VBA Examples of Array
    - Compare Two Arrays - Range to Array - Excel VBA
    - Create Array of Files in Directory - VBA
    - Split String into Array of Characters - VBA
    - String Arrays - VBA
  - AutoFilter - Excel VBA
  - Autofit All Worksheets - Excel VBA
  - BarCodes - Excel VBA
  - Call Sub from Seperate Excel Add-In - VBA
  - Check if Cell in Range - Excel VBA
  - Check if Cell IsEmpty with VBA
  - Check if Column Has Header by Comparing A1 to A2 - Excel VBA
  - Check if Integer is Even or Odd via Function - Excel VBA
  - Check if Range Is Empty - VBA
  - Check if Value is Numeric - Excel VBA
  - Check if Worksheet is Protected by PWD via VBA - Excel
  - Check if Worksheet Is Protected - Excel VBA
  - Class Modules - Excel VBA
    - Class Module - App Events - Read Mode Highlight Active Row & Column via xlam Add-In
    - Collections - VBA
      - Custom Collections Class - VBA - Multiple Values per Key
    - Make SheetSelectionChange Operate on a another Workbook
  - Close Open Workbook in Excel VBA
  - Close Open Workbook via Batch - WindowTitle
  - Combine Two Columns - Excel VBA
  - Compare Two Columns - Excel VBA
  - Convert ActiveCell or Range to Column Letter in Variable - Excel VBA
  - Convert Column Number to Letter - Excel VBA
  - Copy Data from External Excel Instance - Worksheet to "ThisWorkbook"
  - Copy Range - VBA
  - Copy Rows and Columns - Excel VBA
  - Copy Text to ClipBoard - Excel VBA
  - Declaring WorkSheet and WorkBook - Excel VBA
  - Delete Multiple Columns Simultaneously - Excel VBA
  - Delete Rows in Excel VBA
  - Dictionaries - Dictionary - Excel VBA
    - Basic Dictionary Functions - VBA
    - Populate List - Dictionary of Unique Values in Range - Excel VBA
    - Return Dictionary from Function - VBA
    - VBA Dictionary - Invalid Use of Null
  - Disable warning: You copied a large amount of data onto the clipboard - Excel VBA
  - Excel DisplayAlerts - VBA
  - Excel VBA Color Index
  - Excel VBA - Font and Borders Settings Etc
  - Excel VBA to use all filled cells in columns
  - Extract Alpha or Numeric Portion of String - Excel VBA
  - Filter Worksheet - Table - Query - Excel VBA
  - Find ActiveCells Column Header
  - Find Duplicates and Copy to New Sheet - Excel VBA
  - Finding Last Used Column or Row
  - Find Oldest and Newest Dates in Rng - Excel VBA
  - Find or Delete Column Letter from Header Name Function - Excel VBA
  - Find String in Range - Excel VBA Function
  - Find Worksheet by Partial Name - For Each Worksheet - Compare Dates - Excel VBA
  - For Each Cell in Range of Cells - VBA
  - Format Integer to X Places with leading 0's
  - Formatting Cells - Excel VBA
  - Freeze Header Row - Column - Excel VBA

- Full Download Spreadsheet via IE - Save - Open - Copy - Close and Delete File - VBA Macro
- Function to Check if Sheet Exists - VBA
- Function to Check if Two Ranges are the Same Range - Excel VBA
- Get Column Letter from ActiveCell via Sub - Excel VBA
- Get Total Lines of Code in Macro Workbook - VBA Excel
- Have Macro run on Workbook Open - Excel VBA
- Hyperlinks - Excel VBA
  - Decode URLs to Regular Text - VBA
  - Get Cells HyperLink as String - Excel VBA
  - HyperLink Events - VBA
  - Remove Hyperlinks - Excel VBA
  - Set Range to Hyperlinks using Cells Value - Excel VBA
- Import CSV - Excel VBA
- Insert Row or Column - Shift - Excel VBA
- Insert Value into cell near selected cell - Excel VBA
- InSTR - Excel VBA
- List Files in Folder without Extension - Excel VBA
- Merge and UnMerge cells - Excel VBA
- Move Columns via VBA
- Number From String or String from Number - VBA
- Open External Workbook and Copy Sheet to Active Workbook - Excel VBA
- Open Sharepoint/Teams Excel Workbook via VBA
- Pass Range as Variable to Sub with Rng Argument - VBA
- Pivot Tables with VBA
  - Check if Pivot Table Exists and Delete - VBA
  - Collapsing Pivot Tables - Excel VBA
  - Create Pivot Table Sub - Check if Exists and Delete
  - Create Pivot Table with VBA
  - Function to check if Pivot Table Exists - VBA
  - Groups and Pivot Tables - Excel VBA
  - Pivot Table Settings for Orientation and Function
  - Sub to Delete Pivot Table - VBA - By Name - Sheet - Or All
- Print Headers on Each Page - Excel VBA
- QueryTables - Excel - VBA
  - QueryTables - Class - Excel VBA - Scrape WebPage
  - Run Macro After or Before Query Refresh - Excel VBA
- Remove \$ Cell.Address - VBA
- Remove Duplicate Rows - Excel VBA
- Run Excel Macro from Command Prompt with XLAM - VBA - VBScript
- Save New Workbook - VBA
- Screen Update VBA
- Screen Updating and Refresh - Excel VBA
- Select All Cells with Data - Excel VBA
- Send E-Mail from Excel with VBA
- Set Cell Font to Text White and Background Black - Excel VBA
- Set Range to Empty Space of Last Sheet to be Printed - hpagebreaks
- Setup Print Procedures in Excel VBA
- Sheets and Excel VBA
- Sort Range - Excel VBA
  - Custom Sorting Range Based on Another Column
- Spell Check Protected Worksheet - Excel VBA
- Swap Columns - Excel VBA
- Test if Workbook is 97-2003 old xls format and upgrade
- Use Column Number in Range - Excel VBA
- Use MsgBox to display Range - VBA
- User InputBox for Range - Excel VBA
- Use Row of Active Cell
- VBA Regex Search
  - RegEx Add-In for Excel VBA
- XLStart Locations
- Microsoft Outlook - VBA
  - Automatically Open Outlook Attachment - VBA
  - Automatically Save Attachments From Specific Sender or Domain or Subject in Outlook with VBA
  - Call Sub in ThisOutlookSession from Module
  - Create Outlook Event - VBA
  - Distribute Outlook Macros - VBA
  - Generic Outlook Rules via VBA
  - Get List of Custom Folder Names - Outlook VBA Dictionary Function
  - Hide Title Bar - Outlook Userform - VBA
  - Iterate over all Inbox E-Mails - Outlook VBA
  - Mark E-Mail As Read or UnRead in Outlook via VBA
  - Monitor Inbox or Custom Folders in Outlook with VBA via ItemAdd Event
  - Send E-Mail via Outlook with VBA
  - Set Subject - Body - Sender Domain - Sender E-mail - Attachment Filename - To Strings - Outlook VBA
- Microsoft Word - VBA

- Adding Serial Number or Incremental Number to Word Document at Print Time
- Close Word Document via VBA
- Copy Text from Microsoft Word to New Excel Workbook - VBA
- Create Simple Greeting Macro - Word - Microsoft Office
- Disable Small Margins Warning - Microsoft Office - Word - Macro
- Final - Before Print Macro
- Find Index Number of Current Table
- Run Macro Before Printing - Word - Microsoft Office
- Spell Check Protected Word Document - VBA
- Word.OfficeUI Location
- Working with Tables in Microsoft Word VBA
- UserForms - VBA
  - ComboBoxes - VBA
    - ComboBox - Allow Only List Options
    - ComboBox with List of Column Letters
    - ComboBox with list of Worksheets
    - If ComboBox is Empty - VBA
    - Populate ComboBox list based on first ComboBox selection
    - Simple ComboBox Example
  - Date-Picker - UserForm - Excel VBA
  - Intercept KeyPress on UserForm - Escape - Enter
    - Intercept CTRL + V in TextBox UserForm
  - ListBox - VBA
    - Get Selected Item - ListBox
    - ListBox - Highlight Item
    - Sort ListBox - VBA
  - OptionButtons - UserForms VBA
    - Allow Multiple OptionButtons to be Selected - UserForms VBA
  - Pass Variable from UserForm to Module - VBA
  - Range Picker - UserForm - Excel VBA
  - TextBox - UserForm VBA
    - TextBox - Action when Enter or Esc Pressed
    - TextBox - Right Click Context Menu - VBA
  - UserForm - Cosmetics
    - Change Mouse Icon in Excel UserForm
    - Format UserForm Control via Module - VBA
  - UserForms - Modal
    - Event Driven Modeless UserForms - VBA
    - Modeless - Modal - UserForm that Halts Code
- Windows Registry - VBA
  - Find - Read - Set - RegKey - VBA
- Working with HTML/XML - Internet Explorer - VBA
  - Internet Explorer Object
    - Click Buttons in Internet Explorer via VBA
    - Find HTML Element - VBA
    - Get HTML Element Value - Text - VBA
    - Open Internet Explorer URL via VBA
  - Working Directly with HTML/XML - VBA
    - Scrape HTML - VBA

## Network Monitoring

- NTop
  - Install and Setup NtopNG - nprobe collector - Netflow - SQL DB - Ubuntu 14.04
  - Install Ntop - Debian Squeeze - Vyatta
  - NTop - DD-WRT - RFlow
- Security Monitoring
  - Fail2Ban - General
    - Fail2Ban - Docker-Compose - Jail Examples
      - Bitwarden\_RS - Fail2Ban - Jail
    - Fail2ban monitor HTPASSWD / HTACCESS authorization
  - Find all NFS Shares on LAN - NMAP
  - Find all SMB Shares on LAN
  - Find Windows Hostname - MAC - From Linux CLI
  - Grep Netstat for IPs excluding local IP - NFS Example
  - Monitor Currently Mounted NFS exports from Server
  - Monitor Currently Mounted SMB Shares from Server
  - Monitor Outgoing SSH Attempts with IPTables
- XYMon AKA Hobbit AKA Big Brother
  - 3rd Party XYMon Custom Scripts
    - ZFS Monitor for XYMon
  - Compile Latest Source Code - XYMon
    - Compile XYMon .DEB
  - Custom Script Template - XYMon
  - Have XYMon Create OpenProject Task via ALERT
  - My XYMon Custom Scripts
    - Adaptec RAID Monitor - XYMon - Ubuntu
    - Asterisk - XYMon - CentOS
    - CyberPower - UPS Monitoring

- CyberPower - UPS Monitoring - CentOS
    - CyberPower - UPS Monitoring - Ubuntu
  - ESXi 6 - Ram - CPU - Disk Check - NTP - XYMon - Ubuntu
  - MariaDB - Galera Cluster - XYMon Check
  - MySQL Replication Script - XYMon
  - MYSQL - XYMon - Ubuntu - Simple Select Check
  - NTop XYMon Monitoring Script
  - NTP XYMon Script
  - OpenVPN - XYMon - Ubuntu
  - PaceMaker - HA XYMon Script
  - SmartTools Monitor for XYMon
    - SmartTools Monitor - XYMon - Ubuntu
    - SmartTools XYMon - CentOS 5/6
  - TeamViewer - XYMon - Ubuntu
  - XYMon - Monitor Git-Daemon Status
  - XYMon - Simple Monitor NFS Mount
  - Zabbix XYMon Monitoring Script
  - ZoneMinder - XYMon - Ubuntu
- Tips and Tricks
  - Add UPTIME Column for all Linux Guests
  - Create checks for PROCS and PORTS - XYMon
  - Custom Graphs and RRDTOOL
  - Disable APT & Libs - XYMon
  - Ignoring snap mounts - loops - Always Red - XYMon Server
  - XYMon Directories
  - XYMon - SSLCERT - Checking Wrong Certificate
- XYMon-Client
  - CentOS - RHEL
    - XYMon-Client CentOS 6 - WGET 4.3.10
    - XYMon-Client CentOS 7 - YUM
  - Install XYMon-Client Windows
  - Install XYMon Vyatta
  - OpenSuse - SLES
  - Ubuntu - Debian
    - XYMon-Client APT-GET
    - XYMon-Client Compiled Deb
- XYMon-Server
  - Configure XYMon - Alerts - Test E-Mail
  - Install XYMon-Server Ubuntu
    - APT-GET Install XYMon - Ubuntu
    - Install XYMon - Compiled 4.3.27 Version - Ubuntu 14
  - XYMon - deweyasser/xymon/ - Docker-Compose
  - XYMon-Server - Custom DockerFile from Scratch
- Zabbix
  - Zabbix Client
    - Install Zabbix Agent - Latest - Ubuntu
    - Zabbix Agent Monitor DD-WRT
  - Zabbix Server
    - Install Zabbix Server Latest - Ubuntu 14

## Network Protocols

- BitTorrent (Peer 2 Peer)
  - Install Deluge Daemon - WebUI - AutoConnect WebUI to Daemon - Ubuntu Server 14.04 x64
  - Install Transmission BitTorrent Headless - Ubuntu 14
  - Install Transmission via Docker
- DHCP (Dynamic Host Configuration Protocol)
  - Install isc-dhcp-server Ubuntu
  - PXE (Preboot Execution Environment)
    - DNSMasq PXE
      - Basics of DNSMasq + PXE
      - PXE Boot ESXi 6 - TFTP
      - PXE Boot Parted Magic PMagic ISO - DNSMasq
      - PXE Boot Ubuntu 16.04 - DNSMasq
- DNS (Domain Name Services)
  - Block Ads with Pi-Hole in Docker Container and Docker-Compose - Ubuntu Server
  - Install BIND9 on Ubuntu 14.04
  - Install DNSMasq - DNS + DHCP - Home Network 192.168.1.1 - Google DNS - All configs in same file - Ubuntu
- FTP (File Transfer Protocol)
  - FileZilla FTP (Server) - FTP Client or (Windows Only) Server
  - FTPUSE - Map FTP drive to Windows Drive Letter
  - VSFTPD - Very Secure FTP Daemon
- HTTP-HTTPS
  - Apache
    - Allow Apache to write to mounted NFS share
    - Apache 2.4.7 ProxyPass with WebSocket and Comodo PositiveSSL SSL w/ Intermediate Certs.
    - Create Simple Webpage with Button that runs Bash Script - Apache - PHP

- Redirect all NON-EXISTENT URL's to domain.com - Apache - Error 403
  - Redirect Http to HTTPS - Apache2
  - Secure Apache2
  - Secure Webpage with .htpasswd NO .htaccess
  - Simple Apache HTTP VirtualHost
- NginX
  - NGinX Reverse Proxy Installation - Configuration - Notes and Links - Ubuntu Server 14.04
    - Install NGinX via Docker
  - NGinX - Serve Blank Page for Default - Unknown - UnMatched Requests
  - NGinX - Server Site Only to LAN
- LDAP (Lightweight Directory Access Protocol)
  - 3rd Party Integration
    - Enable OwnCloud LDAP
  - Client
    - CentOS
      - CentOS 5 LDAP Authentication - Client
      - LDAP Auth - CentOS 7 - SSH RSA - Group Restrictions - Sudo Access
    - Ubuntu
      - LDAP Auth - Ubuntu 14.04 - SSH RSA - Group Restrictions - Sudo Access
  - Server
    - Install LDAP + PHPLDAPAdmin - Ubuntu 14
    - Migrate OpenLDAP to New Server
- Magic Packets (Wake on LAN)
  - Ubuntu - Wake on LAN
- NFS (Network File System)
  - CentOS NFS
    - Install NFS Server CentOS 6
    - Install NFS Server CentOS 7
    - Set up NFS-Client on CentOS 7
  - Mount NFS Share Client Installation
  - NFS Mount Options Explained
  - Setup NFS Server in Docker Container - Docker-Compose
  - Ubuntu NFS
    - Mount NFS Shares via Fstab - Ubuntu Server 14.04
    - Set up NFS SERVER on Ubuntu 14.04 x64
  - Windows NFS
    - NFS-Client - Make NFS-Client for Windows follow Symlinks
    - NFS-Client - Windows Mounting of NFS exports
- NTP (Network Time Protocol)
  - ntpq -p Output Explained
  - Setup NTP - Client - Server - Ubuntu - CentOS
- Protocol - Application - PortMap
- Proxy
- SAMBA (Windows Shares)
  - Configure SAMBA - SMB - Docker-Compose - Using SMB.CONF
  - Configure SAMBA - SMB - Network Share
  - Grant Write Access Based on IP in Samba SMB
  - Mount SAMBA SMB Client Installation and CLI Example
  - Mount SMB/SAMBA/CIFS Share via FSTAB
  - Samba Follow SymLinks
  - SMB(D) Samba - Reports falsely there is Not enough disk space - DFREE Ubuntu 14.04
  - SMB Samba - Configure blocking range of 192.168.1. network and allow IPs only from static pool of IPs.
- Secure Sockets Layer (SSL)
  - Comodo SSL Creation
  - Request SSL Cert with Existing Cert Credentials
  - Use LetsEncrypt - Free SSL Certificate Service
    - Use CertBot - LetsEncrypt - In StandAlone Docker Container
- SSH (Secure Shell)
  - Linux SSH
    - Create New SSH Hostkey
    - Install SSH with Pre-Created RSA Key
    - Setup OpenSSH Server and Create new RSA Keys
    - Using SCP to Copy Files via SSH over Network
  - Windows SSH
- VPN (Virtual Private Network)
  - OpenVPN
    - Docker - OpenVPN
      - Setup OpenVPN using Docker
      - OpenVPN - Docker-Compose Setup
    - Ubuntu OpenVPN
      - Install OpenVPN with Pre-Created Keys - Ubuntu Server 14.04
      - OpenVPN - Set up OpenVPN server on Ubuntu 14.04 x64
    - Windows OpenVPN

- OpenVPN - Configure Windows Client to Connect to OpenVPN Server
  - OpenVPN - Disable GUI and Automate Connecting via CMD
- Vyatta - Debian Linux Router
  - Install Debian Packages on Vyatta
- WebDav (Web Distributed Authoring and Versioning)
  - Ubuntu WebDav
    - Download OwnCloud Links via Curl
    - Install OwnCloud (WebDav) - Ubuntu 14.04 x64
    - Install OwnCloud (WebDav) - Ubuntu 16.04 x64
  - Windows WebDav
    - Mount WebDav (OwnCloud Example) Using NetSH - Command Line

## OpenProject

- Cannot serve directory /opt/openproject/public/ - OpenProject
- Compile OpenProject 8.2.1 on Ubuntu 18.04
- Failed to restart openproject.service: Unit openproject.service not found.
- Host Other Website on Port 80 with OpenServer
- Install OpenProject - Ubuntu - Debian
- Migrate OpenProject MySQL to PostGRESQL
- mysql2::Error::ConnectionError: Access denied for user 'open project'@'localhost' (using password: YES)
- OpenProject - API
  - Create Project in OpenProject via cURL via API
  - Create Task via OpenProject API via cURL
  - OpenProject API URLs
  - OpenProject - Create payload.json Script with Arguments for API POST via CURL
- OpenProject Config Set - Get
- OpenProject - Docker
  - Install OpenProject - Docker - All-In-One
  - Install OpenProject Via Docker-Compose - Multi Container
- OpenProject Installer.dat - Default
- OpenProject Migration Script
  - Migrate from Packaged to Docker - OpenProject
- OpenProject - NGinX and Apache - Reverse Proxy
- OpenProject - SSL Configuration
- OpenProject - Troubleshooting
- OpenProject - Unable to verify Cross-Site Request Forgery token Error
- Restore Backup to Server - OpenProject

## Password Managers

- BitWarden - Password Manager
  - BitWarden\_RS - Self Hosted Alternative to Official BitWarden
  - BitWarden\_RS - Docker-Compose Setup
- Passbolt - Password Manager
  - Passbolt - Access UI - Create User - NGinX Reverse Proxy
  - Passbolt - Docker-Compose
  - Passbolt - GPG - Add Server to Android App
- PSONO - Password Manager

## PHP

- Check File Size - PHP - IF Then
- Create ZIP File without Folder Structure - PHP
- Open New Browser Tab PHP
- PHP Build File Directory structure base on DateTime
- PHP - Check Number of Rows Effected by SQL Select Statement
- PHP - Display URLs for results with Variables
- Set PHP Variables in Bash Script
- Simple download file - PHP Script
- Simple MySQL Query with PDO - PHP Example

## Python

- Python SheBang
- Python Source Variables

## Raspberry Pi - Raspbian OS

- BigBox and Raspberry Pi - Launching Custom Software via Moonlight
- Emulate - Virtual - Raspbian OS - Debian Stretch - Qemu

## Smart-Home

- Home-Assistant
  - Add Mysa to Home-Assistant
  - AgentDVR - Home-Assistant
  - Binary - Boolean - Sensor from Sensor Value
  - Bluetooth Scanning with Home-Assistant in Docker in a VM
  - Call Home-Assistant Automation via URL - WebHook
  - Change LoveLace UI in Home-Assistant

- Configure HomeAssistant Auth in Configuration.yaml
- Control Kevo via Home-Assistant with Toggle Switch
- Create Basic Toggle Switch to Run Script or Execute Command with Home-Assistant HASS.IO
- Create Delay - Home-Assistant
- Device\_Tracking - Home-Assistant
  - DD-WRT - Home-Assistant Integration to Track Device Connection in Home-Assistant
  - Track Device Connection in Home-Assistant via NMAP
- Home-Assistant and LED Lights
- Home-Assistant - Control Roku TV - Automatically Play YouTube - Turn On or Off
  - Control Roku via "Remote" - Home Assistant
  - Roku TV - Set Volume - Home-Assistant
- Home-Assistant - Repeating or Looping Service Calls
- Home-Assistant with NGinX
- Home-Away Automations via Home-Assistant
- IFTT - If This - Then That - Home Assistant
  - Home Assistant - IFTT - Wyze - Disable or Enable - Notifications or Motion Detection -
- Installation of Home-Assistant - HassIO - Supervised or whatever it's called now
  - Ignore Things that HA Devs Broke and don't care to fix
  - Install Home-Assistant Docker Container
    - Home-Assistant - Supervised - HASSIO - Docker-Compose
  - Install Pre-Packaged HassIO VMDK - Home-Assistant with Add-On Store
  - Uninstall HASS.IO
- Integrate ZoneMinder with Home Assistant - HASS.IO - LoveLace Card
- Line-Break for Message in Home-Assistant
- My Full Home-Assistant Configuration.YAML
- Person - Home Assistant Presence-Detection
- Push Notifications with Home-Assistant and Android - Send Sensor Status
- Search for iBeacons - BLE - via PowerShell - Home-Assistant Presence Detection - Windows
- Setup E-Mail Notifications via Home-Assistant
- Setup MQTT Bridge - Home Assistant
- Split Scripts into Multiple Files in Directory with Home-Assistant
- Theme Home-Assistant
- XIAOMI\_Mijia\_LYWSD03MMC
- Zones - Home Assistant
  - Set Home - Greyed Out - Home Assistant - Zone
- Logitech Harmony
  - Add Windows PC to Logitech Harmony Remote
- Scripting Kevo Unlock - Lock - via Python and Bash
- Wall-Mounted-Table Home-Assistant
  - Browser\_Mod - Home-Assistant

## Ubuntu-Debian

- Emby
  - Install Emby 3 on Ubuntu 16
- FFMPEG
  - Add or Remove Audio and Add or Remove Subtitles Recursively with FFMPEG
  - Install FFMPEG Ubuntu 14.04 Server
- General Ubuntu-Debian
  - Debian - Rebuild Default Sources.List - APT
  - Download All Package Requirements for Deb - Debian Package - APT-GET
  - FIX
    - Fix MySQL Won't Start or Can't connect to local MySQL server through socket '/var/mysql/mysql.sock' - Redeploy MySQL w/o losing DB
    - Fix Outdated-Broken-Old Repo's Ubuntu - Debian
    - Fix Ubuntu Leak "no talloc stackframe at ../source3/param/loadparm.c:4864, leaking memory"
  - Install
    - Bluetooth - Linux
    - Install Adaptec Raid Controller ARCCoef - Ubuntu
    - Install GNOME Desktop - Ubuntu Desktop and Server 14.04
    - Install Google Chrome Ubuntu - One Command
    - Install Grive2 on Ubuntu Server
    - Install LAMP in One Command - Ubuntu Server
    - Install NoVNC with Websocify - Ubuntu Server 14.04
    - Install PWRSTAT (PowerPanel) - CyberPower Linux CLI Interface - Ubuntu - CentOS
    - Install VNCServer - Ubuntu
      - Install TightVNCServer with XFCE GUI - Ubuntu
      - Install X11VNC Server - Ubuntu
    - Install WebMin - Ubuntu
  - Install Specific Version of Software via APT
  - Other
    - Bash Script - Add User - Ubuntu
    - Check SMART status of Hard Drive - Ubuntu
    - Convert InstallEMG.dmg to ISO



- Deluge P2P
- Disable - "waiting an additional 60 seconds for network configuration" - Ubuntu Server 14.04 x64
- If Ubuntu or Debian Then - Bash Script
- Purge PostgreSQL via APT
- Recover Files with EXTUNDELETE - MDADM - UBUNTU
- Remove PPA - Ubuntu 14.04 x64 CLI
- Ubuntu Revision into Variable - CLI
- HandBrake
  - Convert videos recursively with Handbrake script HandbrakeCLI
  - Install HandBrakeCLI latest or stable
- Networking
  - Change em1 - p1p1 - to Eth0 - Ubuntu Server 14.04
  - Connect to Wi-Fi via Command Line - Ubuntu 14.04 Server - WPA2 AES - Open WiFi - Multi SSIDs with Eth0 - WPASUPPLICANT
  - Echo wlan0 configs to interfaces at reboot
  - Install CA Cert - Ubuntu
    - NPM Not Using Local Certificate Store
  - Proxy - Ubuntu
    - Can't Add GPG-PPA Key behind Proxy
    - Check Proxy Setup
    - GIT rewrite URLs using "git://" to "https://"
    - Proxy Setup - Ubuntu Server
  - Set Static IP - Ubuntu 18 - Netplan
- Plex
  - Install Plex - Ubuntu
  - Install UnSupportApp store Plex - Ubuntu Server
- Security
  - Fail2Ban
    - Install and Configure Fail2Ban - Ubuntu
- TeamViewer
  - Configure TeamViewer Unattended Password - Ubuntu CLI
  - Install TeamViewer Latest
  - Set TeamViewer Password at boot and Start Daemon
  - TeamViewer - Linux - Email ID after daemon starts
- Untouched Default Files
  - Untouched 000-default.conf - Ubuntu Server 14.04 x64
  - Untouched - Default .bashrc - Ubuntu 14.04
  - Untouched default-ssl.conf - Ubuntu Server 14.04 x64

## Visual Studio

- Visual Studio 2015
  - Install Visual Studio Community Edition 2015 - Free with Office/Sharepoint Development Kit/Tools
- Visual Studio Code
  - Visual Studio Code - N-Unit - Selenium - Test Project

## VoIP

- Asterisk VoIP
  - Fix - asterisk.cti: No such device or address
  - Fix - This module requires Asterisk chan\_motif & res\_xmpp to be installed and loaded
  - Hangup All Calls Asterisk CLI
  - Monitor PJSip Trunk Registration with Bash Script
  - Originate Call from Command Line - Asterisk
  - Upgrade Asterisk core in Asterisk Now 1.6 > 1.8
  - Use Asterisk CLI in Bash Script
- Call Detail Records (CDR)
  - Install WebCDR - Open Source GIT CDR Front End
    - Disable Auth access to API in WebCDR
- Capture VoIP traffic with TCPDUMP and Examine in Wireshark
- Enable TFTPBoot for Hardware SIP Phones
- FOP2
  - Activate-Revoke FOP2 License
  - File does not exist: /var/www/html/fop2/js/lang\_.js
  - Fix - Failed to connect to asterisk - localhost:5038 - FOP2
  - FOP2 Checkdir.php Custom Pop\_Up
  - FreePBX + FOPv2 Integration - For Older FreePBX
  - Install FOP2
  - Integrate FOP2 with FreePBX
- FreePBX VoIP
  - Configure Google Voice Motif + Asterisk SIP for Google Voice - FreePBX 13
  - Customize Images on FreePBX
  - Disable "If this is correct, press 1" from VoiceMail Blasting - FreePBX
  - Fix FreePBX can't Connect to Asterisk
  - Locked out of FreePBX GUI
  - PIN conference is no longer optional - FreePBX 12 + Asterisk 1.8
  - Pre and Post Backup Hooks to add Database to FreePBX Backup Module
  - Remove 0 Second Calls FreePBX - Asterisk
  - Set TimeZone for Voicemail in FreePBX - Asterisk

- Install LAME 3.99
- Obi - Google Voice
  - Block Private - Unknown - Restricted - ObiTalk - Google Voice
- PBX In a Flash (PIAF)
  - Disable IPTables PIAF
  - PIAF Default Root MYSQL PWD
- SHMZ 6.6
  - Upgrade FreePBX Distro 6 - 10 - As far as possible - Script
- VoIP Phones
  - Configure Panasonic KX-TGP500 - FreePBX - Asterisk - SIP DECT Wireless Phone
  - Configure YeaLink W52P-H
  - PolyCom
    - PolyCom SoundPoint 321 - Configuration
  - Port Landline to Google Voice

## Web-Browser

- Configure G-Mail Account for IMAP
- Purge Entire Google Voice History - TxTs - Trash Etc
- Purge - Gmail - Verizon - Yahoo - AOL - Comcast - Microsoft - RR/TWC - Inbox (WebMail)

## Windows

- CygWin
  - Create Shortcut to run script inside CygWin - Windows 10
  - Install CygWin with X Server and OpenSSH and Virt-Manager
  - Running Virt-Manager inside Windows 10 using CygWin with Shortcut on Desktop
  - Using .startxwinrc with Cygwin to autostart Virt-Manager - Windows 10
- Microsoft Office
  - Outlook
    - Add Student .EDU or Business - G-Mail managed account to Outlook
    - Export and Import Folder Structure Outlook
    - Microsoft Outlook Command Line Flags
    - Move Outlook to new Windows Install
    - Open OST in Outlook
  - Word
    - Creating Custom Document Property in Microsoft Office Word
    - Enable Proofing Microsoft Office 2013
- Scripts - CMD-BAT-PS1-VBScript
  - Batch - CMD
    - Access CMD before Login Screen
    - Adding or Removing Printers via Batch Files - Windows
    - Assign Variable to Output of Command - Batch
    - Automatically accept input in batch - cmd - without user hitting Enter
    - Batch Loop to check if File Exists
    - Call Variable from Another Batch File - CMD
    - Change IP Address with .CMD Files
    - Check if Executable is Running - Batch
    - Check if Network Printer is Installed via Batch Function and Install if Needed
    - Check if SubString is in String - Batch - Grep Windows
    - Convert RSA Key to PPK via CLI using WinSCP
    - Count Arguments - Batch
    - Create .CMD that silently executes with no open window
    - Create Array - Batch
    - Create Placeholder - Empty File In Temp - Batch
    - Create Shortcut to File via Batch - CMD
    - CSV List of Tasks in Windows - TSKill
    - Custom Help Message - Batch
    - Detect Office Version - Architecture - Batch CMD
    - Embed VBA - VBS VBScript - in Batch/CMD
    - Find Executable via Batch - Microsoft Office Example - WINWORD - Find Microsoft Office Path
    - Find FilePath with WildCard in Batch
    - Find Windows Version via Batch - Function
    - Forcing Valid User Input in Batch/CMD
    - For Each File in Directory - Batch - CMD
    - For Loop Batch
    - Get File Extension from Full File Path
    - If Var = String - Batch
    - In - Then - Else - Windows Batch - Test if Variable is SET
    - List Files in Directory - Recursive - Batch
    - Open Multiple Webpages in same Browser Instance via Batch/CMD File
    - Output List of WindowTitle via CMD Batch
    - Pass Named Arguments to Batch Script - CMD
    - Print Files via Batch - Windows
      - Print Excel Via Command Line - VBA VBScript - Excel.exe Switches
      - Print Files Recursively from Current Directory via Batch CMD
      - Print Microsoft Word via Batch - WINWORD.EXE Switches - VBScript Print Specific Pages
      - Print PDF Via Batch - AcroRd32.exe Switches - Print Specific Pages
      - Print PowerPoint via Batch - POWERPNT.EXE Switches

- Push Current Running Directory inside Batch File - Run VBS in same directory
- Random CMD Batch Stuff
- Reboot to safe mode CMD
- Remove Whitespace Batch
- Reset Local Admin Password Windows
- Return Value after Foo in Batch
- Search Registry - Batch CMD
- Set Global Variable in Batch CMD
- Simple Enter Yes or No Batch - CMD - Input - Windows
- Strip Numbers from String - Batch CMD
- Stripping down to just User-Folder from %USERPROFILE% - BATCH
- Strip Server and Share from Network Share via Batch For
- Timed Ping Windows - Linux
- Using Functions with Batch - Return Value
- Using Input from External Program in Batch - CMD
- While Loop - Batch
- While Loop that checks for exe process running
- Yes - No - User Input - Batch
- PowerShell
  - Arrays in PowerShell
  - Call PowerShell Script with Space in Path
  - Check if Process is Running and Close - PowerShell Function
  - Concatenate - Combine Variables - PowerShell
  - Conditional Evaluators - IF THEN ELSE WHILE DO UNTILL - PowerShell
  - Configure Remote Desktop - RDP - PowerShell
  - Custom Help - PowerShell Script
  - Disable or Enable Windows Defender via PowerShell
  - E-Mailing with PowerShell
  - Embed VBScript in PowerShell - PS1
  - ExecutionPolicy - PowerShell
  - Find Executable - PowerShell
  - Find Windows Version Number via PowerShell
  - ForEach-Object - PowerShell
  - Functions - PowerShell
  - Get Folder or File Path from GUI - PowerShell
  - List All Variables and Values - PowerShell Debugging
  - Passing Params to Script - PowerShell
  - PowerShell - Change network type - Private Public
  - PowerShell - ComboBox - DropDown List - User Input to Variable
  - PowerShell - Grep
  - PowerShell - Integer Counter Increment
  - PowerShell - Sed - Find and Replace Text in Files
  - PowerShell - SLEEP - Delay
  - PowerShell - Switch or Case Statements
  - PowerShell - Windows Environment Variables
  - Printing via PowerShell
    - Printer Installation - Check if Installed - Set Default - PowerShell
    - Printer Settings - PowerShell
    - Print via "-Verb Print" - PowerShell
  - Redirect Powershell Out to Null
  - Registry Query via PowerShell
  - Restart BT - Bluetooth Service from PowerShell
  - Run PowerShell Job in Parallel - Start-Job - Pass Arguments
  - SendKeys - PowerShell
  - Setting Variables in Functions - Global Variable - PowerShell
  - Start PowerShell Script via Task Scheduler - Windows 10
  - Start-Process via PowerShell with Arguments
  - String Commands in Single Line - PowerShell
  - Temp File - PowerShell
  - Using Powershell Variables
  - View Network Details - InterfaceAlias - Powershell
  - Wildcards and FilePaths - PowerShell
  - Yes No Prompt - PowerShell - Read-Host
- VBScript
  - Filesystem Object and Expanding Environment Variables in VBScript - Delete File
- Windows Admin Center
  - Install Windows Admin Center - With SSL - Server Core
- Windows Personal
  - Create Task to Autostart Executable with Admin Privileges - Export - Import Task
  - Fix: We can't verify who created this file - Open File Security Warning - Windows 10 - Not Outside Local Network LAN
- Gaming
  - Connect WiiU Pro Controller to Windows 10 - With and Without Toshiba BT Stack
  - JoyToKey
    - Launch Program or CMD with JoyToKey
    - Map Two Xbox Controller Buttons to Hotkey with JoyToPad
  - RetroArch Setup

- Mupen64Plus "failed to load content"
  - PS1 - PCSxReARMed - RetroArch BIOS Setup
  - RetroArch RetroAchievements Integration and LaunchBox
- RetroArch with Steam using ICE
  - Ice Setup for RetroArch
- Xbox Server Blocked - Windows 10
- XPadder Profiles
- GNS3 - Network Simulation
  - General GNS3 Configurations - Non-Version Specific
    - GNS3 - Cisco IOS Router Integration
    - GNS3 - Cisco IOU switch integration
    - GNS3 IOU VM on Hyper-V
    - GNS3 - Qemu Integration
    - GNS3 - VirtualBox integration
    - GNS3 - VPCS integration
    - GNS3 - Windows LoopBack integration
- MultiBoot ISO-USB
  - Create Multi-Boot ISO
  - Create Multi-Boot USB
- VLC
  - Control - Set subtitle font size in VLC
  - Run VLC in Portable Mode
  - Tweak VLC for use with Kodi - Auto Full-screen - Auto Exit - Network Cache
- Windows 8.1
  - Remove "Folders" from "My Computer - Win 8.1"
  - Remove Windows 8.1 Metro Apps - Script
- Windows 10
  - Add Trusted Site via Group Policy
  - Automatically Mount VHDx - VHD - File - Command line - Script - CMD - Mount and Unmount at boot - shutdown - Windows 10
  - Block Windows 10 Spying - known IP's and Add Host files to block data mining by Microsoft!
  - Bluetooth Stack
    - Completely Remove Intel Bluetooth Stack - Windows 10
    - Install Toshiba Bluetooth Stack - Windows 10
  - Change Product Key Windows 10 via RUN
  - Create Custom Windows 10 ISO
    - Convert install.esd to install.wim via PowerShell with dism
    - Create custom install.wim with WinPE
    - Create WinPE ISO for Windows 10 Custom ISO
    - Install Windows 10 ADK for Making Custom Windows 10 ISO
    - SysPrep failed to remove apps for the current user 0x80073cf2.
    - SysPrep - Windows 10 Custom ISO
    - Windows 10 Custom ISO GUI Tools
  - Destroy Windows 10 Spying
  - Disable Password Expiration - Windows 10
  - Disable Windows 10 Education Watermark
  - Disable Windows 10 Updates
  - Enable Windows Thumbnails
  - Install Custom Themes for Windows 10
  - Install Second Printer Copy - Windows 10
  - Internet Options to add Local Intranet Trusted Site Greyed Out
  - Move Windows 10 User Folders to Network Share
  - Remove Edge - Windows 10
  - Remove OneDrive from Windows 10 - Script
  - Remove Windows 8 8.1 10 UAC Completely
  - Remove Windows 10 Metro Apps
  - Restore Old Windows Calculator - Windows 10
  - Restore Windows Photo Viewer in Windows 10
  - Share Printer via SMB - Windows 10
  - Store Can't Be Opened Using The Built-In Administrator Account - Windows 10
  - Uninstall Windows 10 Cortana Completely
  - Upgrade from fresh Windows 8.1 x64 to Windows 10
  - Windows 10 Built In Screen Recorder
  - Windows 10 Optimal Privacy Settings
  - Windows 10 - Post Install Checklist
  - Windows - Screen Record to GIF
- Windows Personal Generic
  - Automatically run script at boot - shutdown - login - logoff - Windows
  - Benchmarking - Windows Software
  - Check if BIOS is UEFI or Legacy From Windows
  - Convert RSA id\_rsa OpenSSH key for Putty and Configure Putty
  - Create Shortcut to Network Interfaces
  - Disable FileBot Update Nag
  - Enable Net 3.5 Framework from Install Media - No download or network connection needed
  - Enable WebCam - Clevo w230SS
  - Generating Movie from Photo Album with Sound Track on Windows

- HandBrake (GUI or CLI) Rotate Video
- Launch Windows Program from Keyboard Hotkey
- Make VLC Open on Second Display - Windows 10 - VLC 2.2.6
- Manually Edit Windows Host File
- Remove "Open File - Security Warning" - Windows 10 - Network Share
- Remove new line Characters in GEdit for Windows
- Repair Windows BCD MBR Bootrecord from Command Line with just ISO
- RetroArch won't start - Error the instruction at 0x referenced memory at 0x could not be written or read
- Stop Outlook Calendar asking for PST
- Windows 10 N - Install Media Feature Pack
- Windows Start Folder Location(s) - (User and AllUsers)
- WinPE ISO with Desktop and WiFi - 500mb Non-Persistent OS - USB Bootable - 7-8.1-10
- WinPE WaikTroubles
- Windows - RDP - Remote Desktop
  - Enable RemoteFX USB Redirection - Share USB Devices like Xbox 360 Controller over RDP - Remote Desktop Protocol - Windows 10
  - Reboot from inside Remote Desktop
  - Remote RDP for Windows - Create Custom Port and Add Rule to Firewall with Command Line
  - Secure RDP via Account Lockout Policy - Prevent Brute Force PWD Attack
  - Setup Windows Remote Desktop - RDP - To Use SSL Cert
  - Windows - Certificate - SSL - File Location
  - WinRM - PSRemoting - Setup Remote Management via WinRM and Remote Powershell
- Windows - RegEdits
  - Configure Xbox GameBar in Windows 10 via Registry and Powershell
  - Disable UNC Patch Check - Windows Batch
  - Fix Hyperlink in Microsoft Office - Your organization's policies are preventing us from completing this action
  - Hide or Expose Networked Drives in Windows
  - Remove "Folders" from "This PC" - Windows 10 RegEdit
- Windows Server
  - Add Servers to Server Manager 2012 R2 without Domain
  - Block Specific Metro App With AppLocker - Packaged App Rules
  - Create Shortcut(s) on Desktop with Group Policy
  - Disable or Enable ICMP Ping Windows Firewall
  - Disable Password Expiration Windows Server 2012 R2 + Password Complexity Rules
  - Domain Controllers
    - Add Server Core to Domain - Windows
    - List All Domain Users via PowerShell
    - Setup Windows Domain Controller on Server Core Installation - 2019
  - Install Desktop Experience with Powershell
  - Install OpenSSH - Windows 10
  - Redirect Documents folders to Network Share with Group Policy
  - Windows Server Core
    - Configure Server Settings via Powershell - CMD

## WordPress

- Backup WordPress Sites with CRON
  - Backup WordPress Site with Crontab - Tar and SQL dump script
  - Restore Wordpress Website from TAR and SQL dump
- Change WordPress URL and Fix broken Images
- Fail2Ban WordPress Installation
- Installing WordPress - Ubuntu
- Install Wordpress - CentOS 7
- Install Wordpress - Docker-Compose
- Migrate Wordpress Site via All-In-One Migration Plugin
- Self Hosted Site Uploading
  - Add From Server - Add files uploaded to server manually to Media Library
  - Change WordPress Upload Limit - Self Hosted Website
  - Enable WordPress Uploads to Server without FTP
  - Remove "file type is not permitted for security reasons" - Wordpress Uploads
- Styling Options
  - Fix WordPress broken Visual Editor
  - Posts to Pages - Add WordPress Posts to Specific Pages
  - Strike Through Text in WordPress
  - WP Code Highlight - Insert Code to Code-Box

## XSL

- XSL - Comments
- XSL - If - Else - When - Otherwise - Choose
- XSL - SubString
- XSL - Template - Functions
- XSL - Variables

## NVidia

- [NVidia - Cuda - PYTorch - Docker-Compose](#)