# utils and apps

-system monitoring

- top output (CPU load, memory)

- connectivity (latency)

- ssh access

- directory guard (changes)

-kill switch (catastrophic event lockdown)

-gui/multi-user switcher

-Server setup

[x] Install build and system packages

[x] Install service packages

[ ] Install security and utilities packages

[ ] Configure services

[x] Set up SSH

[x] Configure Firewall

[x] Default: allow outgoing and enable incoming

[x] Deny ports 22, 8080, 3306, 3000, 5000

[x] Allow ports 25, 80, 443, 8022

-EEIMS (local)

[ ] Set up Apache

[x] Install Apache

[ ] Install mods

[x] PHP

[ ] Define sites and ports (vhosts)

[ ] Secure with UFW to allow remote access

[ ] Configure for Drupal

[ ] Configure for PHP

[ ] Configure for performance

[ ] Set up Nginx as reverse proxy

[ ] Install Nginx

[ ] Set up HTTP Drupal site

[ ] Set up HTTPS Drupal site

[ ] Install Let's Encrypt

[ ] Configure Let's Encrypt

[ ] Current local server SSL

[ ] Auto-renew cerificate

[ ] ModSecurity

[ ] Install ModSecurity for Nginx

[ ] Download Ruleset Repo

[ ] Configure ModSecurity

[ ] Set up PHP8.0

[ ] Install PHP8.0

[ ] Install extensions for Drupal

[ ] Enable required extensions

[ ] Configure PHP and extensions

[ ] Install Composer

[ ] Set up MySQL

[ ] Install MySQL

[ ] Initial setup

[ ] Set root password

[ ] Run mysql\_secure\_installation # disable remote root login and others

[ ] Create databases

[ ] Create users

[ ] Grant privileges

[ ] Optimise for performance

[ ] Optimise for security

[ ] Set up e-mail support

[ ] Install Drupal

[ ] Configure clients

[ ] Optimise performance

[ ] Optimise security

[ ] Install fail2ban #?

[ ] Cron Scripts

[ ] Check for updates

[ ] Get list of updatable modules

[ ] Check for security updates

[ ] Notify

[ ] mail

[ ] SMS

[ ] After one week, if no intervention, install security updates and restart

[ ] Pull repos

[ ] ModSecurity Ruleset

[ ] Pull

[ ] Copy to directory

[ ] Composer

[ ] Custom updates

[ ] Server status

[ ] Check services are running

[ ] Check NetworkManager status

[ ] Check Apache

[ ] Check Nginx

[ ] Check Redis

[ ] Check MySQL