

**Nicholas Leffler**

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<https://leffler.me>

**JOB EXPERIENCE**

**MNX Solutions | Monroe, MI | Systems Administrator (Linux)**

08/2019-Present

<https://www.mnxsolutions.com/>

Website Administration

- Manage cPanel/WHM and Plesk Servers.
- Configure and troubleshoot IPTABLES rules
- Assist in troubleshooting WordPress sites
- Troubleshoot NGINX and Apache configuration issues

Linux Administration

- IPTables, FirewallD and CSF administration
- Tracking down disk space issues
- Light bash scripting
- SystemV and SystemD troubleshooting
- Work with disk partitions using ZFS and LVM
- Server migrations (cPanel, baremetal, Plesk)
- ZFS Administration
  - Add/remove disks from pool
  - Create/destroy pools/filesystems
- mdraid Administration
  - Create RAID arrays
  - Create file systems on array
- LVM Management
  - Add/remove PV/VG/LV
  - Manage files systems on LV

Hypervisor Administration

- SmartOS Management using CLI and Triton
- HyperV Management

**Leffler.Media LLC | Grand Rapids, OH | CTO**

10/2015-Present

<https://leffler.media>

Administer numerous Linux machines. Debian and CentOS.

Web Server Administration

- NGINX
- PHP-FPM

## Website Design

- Website design using WordPress and basic CSS.

## Automation

- Ansible management with yml hosts file

## Email Administration

- Manage Postfix, Dovecot, and MySQL

## Windows

- Windows 7/10 support and configuration
- Windows Imaging using Fog Project

## Linux

- Debian and CentOS
  - Systemd and Systemv
  - IPTables/IPSet

## Networking

- Cisco (Configure VLANs. Configure ports for VLAN and/or trunk access)
- opnSense (Configure firewall and routing for subnets behind Cisco switch)

## Programming

- Light python, PHP, and C++ programming.
- Have also worked with Arduino (C+, Java) and Picaxe (BASIC)

## Hypervisor

- EXSi 6.7 (List of some of the VMs I have running)
  - No vSphere just single node with local storage at home
  - Windows Server 2016
    - DC
    - DNS
    - DHCP
- XCP-NG (List of some of the VMs I have running)
  - Dedicated server in colo
  - Debian/CentOS/Windows VM
  - Debian for eMail
    - LEMP
    - Postfix
    - Dovecot
    - Mailgun relay
    - Roundcube
    - Rainloop
  - CentOS for Web Hosting
    - LEMP
    - Reverse Proxy using NGINX to other servers
  - Windows Server
    - Remote App and Cloud VM for whatever is needed

- Work with CentOS and Debian servers, some with cPanel and others without.
- Work with MySQL on Linux and Windows servers. Create database, users, and light querying
- Configure Apache on Linux servers. Create virtual hosts and configure logging

#### Windows Administration

- Manage Windows 7/10 computers being used as servers for Quickbooks and UPS WorldShip

#### VMWare

- Work with vCenter and ESXi 5.5 for managing VMs

#### AWS Administration

- Audit billing, VMs, and firewalls
- Work with S3 storage utilizing rclone

#### Projects Headed and executed

- Migrate Quickbooks to new VM in ESXi environment
- Migrate Jira, Bitbucket, and Bamboo into new VM
- Install and configure network monitoring using LibreNMS and SNMP on Windows and Linux servers
- Set up Jitsi meet server
- Set up Wiki using MediaWiki

#### Development

- Light PHP development

### **CISP | Sylvania, OH | Jr System Admin**

06/2018-04/2019

<http://cisp.com/>

#### Linux troubleshooting and configuring

- Network issues (Configure networking using /etc/network/interfaces)
- Systemd and Systemv issues (Determining why unit or service isn't starting and resolve the issue)

#### Windows server and desktop troubleshooting and configuring

- Network issues
- Set up AD, DNS, DHCP

#### VMWare ESXi, vSphere, and VCSA

- Work with VCSA and vSphere to spin up and deleting VMs.

### **CISP | Sylvania, OH | Tier 2 and Desktop Support**

12/2014-06/2018

#### Client and In house Technical Support

- Configure Windows 7/10 Computers for employees
- Add PCs to domain
- Change AD information
- Add users in AD and Exchange
- Fog Imaging Software

#### Control4 support

- Program switches, TVs, etc
- Create and edit scenes

- Security Camera Support (Unifi, Avigilon, Bosch, BlueIris)
- Configure cameras (IP Addressing, Bandwidth settings)
- Network support
- Assist network engineer while onsite

## **EDUCATION**

**Springfield High School** | Toledo, OH 08/2008-6/2012

JROTC Freshman Year

Honor Roll Sophomore Year

Merit Roll Junior Year

Science Olympiad Junior and Senior Year

Excelled in Math and Science

**Owens Community College** | Perrysburg, OH 08/2014-04/2019

Associate of Applied Science majoring in Computer Science

## **SKILLS**

### **Certifications**

LPIC-1: System Administrator | Linux Professional Institute 01/2019

Linux+ (Plus) | CompTIA 01/2019

### **Computers**

Some software knowledge

Windows 7/10

Windows Server 2008, 2008r2, 2012, 2012r2, 2016

Ubuntu, Debian, CentOS

Ma OSX

Ubiquiti EdgeRouter and Unifi controller

Some Cisco knowledge.

### **Web Sites**

GitHub

<https://git.leffler.media/>

Linkedin

<https://www.linkedin.com/in/nick-leffler>

Personal Blog

<https://nickshelp.info>

Sites Hosted in my Enviroment

<https://leffler.media>

<https://android.nicks.tv/>

References upon Request