

Matt DiCristina

📍 Connecticut
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Self taught programmer, systems administrator and self hosting nerd. Experienced in object oriented programming using VCS and CI. Creator of game server plugins used on hundreds of servers. Runs a homelab of enterprise server hardware with high availability Proxmox cluster and Ceph storage. Linux lover and script monkey. Always looking for ways to be more efficient.

Key Skills

- Systems Administration
- Linux
- Java
- Bash, PowerShell, Python Scripting
- Windows, Active Directory, Azure
- HTML, CSS, JavaScript
- Networking
- VCS, CI/CD

Professional Experience

IT Administrator

Municipal Emergency Services, Inc. | December 2020 - Present

- Supported 600+ remote employees with IT solutions via phone and email
- Streamlined user and workstation imaging/setup and management strategies
- Managed a custom, in place migration from on premise Active Directory to Azure Active Directory
- Provided support and configuration of NetSuite ERP system
- Custom PowerShell scripting for Intune app deployment and system configuration

IT Technician

The Taunton Press | May 2015 - August 2019

- Supported 200 employees across campus via in person and remote assistance
- Migrated a legacy PBX phone system to VoIP
- Setup of workstations with WDS and accounts with Active Directory
- Management of workstation software via WSUS and SCCM
- Maintenance of enterprise server equipment both on premise and at co-locations

IT, Web, Media

Integrated Mental Health Services | October 2017 - January 2018

- Scripted tools to scrape Etsy store data for migration to Wix store
- Configured Wix eCommerce site as business landing page
- Managed social media presence and business profiles
- Consulting for IT related projects and technology upgrades

Education

Bachelors in Computer Science

Southern New Hampshire University, Manchester, NH

Interests

Maintaining a home server network (homelab). Home networking and automation with IoT. 3D printing and small electronics. Car enthusiast and car modification/restoration. Gaming. Software engineering and coding.

Systems Administration

Homelab consists of a four node Proxmox cluster with a focus on redundancy and high availability. Ceph clustered storage is implemented across all nodes to align with the same principles. Over 40 virtual machines consist of basics like DNS (Bind), NTP, VPN (OpenVPN) and others like web and reverse proxy (Nginx), databases (MariaDB Galera), monitoring (Zabbix, Grafana) and game servers (LGSM, Java). VM backups are done on a weekly basis to a local ZFS storage array. This setup has been growing and evolving for over 9 years.