

Travis Scotto

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Experience

Cisco Meraki

Site Reliability Engineer

April 2025-present

- Build and maintain IAM, compliance, workspaces, EC2, monitoring, networking and updates in the FedRamp moderate AWS environments at Cisco Meraki
- Implemented AWS Systems Manager for unattended reboots and updates across EC2 instances reducing manual update process that would take hours
- Implemented CloudWatch alerts in federal AWS environment to trigger sanitized PagerDuty alerts when critical events occur leading to faster response time to events
- Remediate vulnerabilities in commercial and federal environments to meet SLA requirements for remediation
- Served as AWS org admin over all AWS accounts. This includes implementing SCPs and other controls at the org level
- Utilized AWS ControlTower to implement additional built-in and custom security control among all AWS accounts
- Utilized Terraform for AWS resource creation and maintenance as well as new account creation
- Used Ansible to install and maintain software and configurations on the commercial Linux nodes (on-prem and AWS)

Webstraurantstore.com

Senior Site Reliability Engineer

December 2023 – April 2025

- Built and maintained initial Kubernetes offering at Webstraurantstore using on-prem Kubernetes and AKS. Utilized underlying tools such as haproxy ingress, Rook-Ceph persistent storage, Grafana agent/Prometheus for monitoring, cert manager for certs and more.
- Evaluated and created proof of concepts for other Kubernetes distros such as Talos Linux (ephemeral OS)
- Utilized argo-cd to deploy nearly all Kubernetes applications – in-house applications, 3rd party Helm charts, 3rd party manifests, etc. Established Gitflow automations to allow developers to easily push new container images and have them automatically apply to the cluster.
- Built out many infrastructure components on Kubernetes including Kafka (with replication), Clickhouse, Redis, Loki and Rabbitmq
- Managed GCP GKE instances that support our IoT device project running rabbitmq on GKE. Tasks included cluster upgrades, deployments, ingress setup, networking, monitoring and more.
- Authored Terraform modules to maintain Azure and GCP environments that applied via CI/CD. This allowed fast and consistent infrastructure deployments across multiple environments. This also

increased our auditing capabilities by seeing exactly what infrastructure is deployed and where. This has accelerated our use of Azure components by making components more reusable to deploy.

- Established standards for Azure deployments including security standards, naming, resource groups, resource types, connectivity, and monitoring. This led to more secure and consistent Azure deployments for apps across the company.
- Managed Azure infrastructure supporting cloud applications using Terraform modules. Managed Azure services include - AKS, Web Apps, Event Hubs, Data Factory, Analysis Services, Azure Redis Cache, Key Vault, Private DNS Zones, VMs, storage accounts, application gateways, load balancers and more.
- Assisted in interviewing and vetting of new SREs for the team by gauging their technical abilities and also their ability to learn and develop new skills on their own.
- Mentored junior and mid-level SREs by writing standards for Ansible, Terraform, Kubernetes and Azure. This included documentation and presentations about applicable technologies and taking them through steps to apply these standards. This has allowed newer SREs to focus more on day-to-day operations and learn while more senior SREs develop new standards and automations.

Site Reliability Engineer

October 2020-December 2023

- Extensive use of Ansible for configuration management for most systems using GitLab for code management
- Review system changes in Ansible using GitLab
- Monitor and maintain front and back end Linux and Windows systems for many custom web applications using tools and products such as Ansible, HAProxy, Redis, Elasticsearch, Dotnet Core, Prometheus, Grafana, Concourse, Docker and GitLab
- Use of Docker for multiple open source and in-house projects. Concourse is used build and manage pipelines for many Docker projects
- Develop and use processes to automate various tasks such as Grafana dashboard publishing, system updates, certificate renewal, database backup and many others. Python and GO languages used

Central Penn College

Adjunct IT Professor

August 2017-present

- Teach undergrad IT students through online and in-class methods.
- Classes include – IT project management, Microcomputer Systems, Networking II, Operating Systems, Firewalls and Intrusion Detection, Human Computer Interaction and Software Engineering, Structured Programming
- Emphasize hands-on labs that get students acclimated to technologies like Linux, Docker, GitHub, AWS EC2 and Elastic Beanstalk, Travis-CI, Cisco ASA

Udacity

Course Author

August 2021-present

- Designed and taught 4 courses for Udacity online learning platform including: Site Reliability Engineer Nanodegree, Multi-Cloud Computing, Azure API Management and Intro to Ansible.
- AWS and Azure used as cloud providers utilizing services such as – EKS, web apps, API management, S3, blob storage, SQL, Aurora, VPC, EC2, monitoring and alerting in the respective cloud providers and more.
- Heavy use of Terraform for deploying and learning infrastructure.

Revolgy

CloudOps Level 1

August 2019-February 2023

- Part-time on-call based ops monitoring for multiple cloud clients
- Utilized tools like Slack, PagerDuty, FreshDesk, Prometheus, Grafana, GCP StackDriver and AWS Athena to respond to alerts while on call and investigate and escalate if necessary. We would look through the logs and monitors to see if we could pinpoint the problem. We were not given the ability to make changes; just report our findings to the customer and next level

Penn State Hershey Medical Center

System Engineer - Senior

June 2018-October 2020

- Maintain, build and architect large (1900 VMs) VMware 6.7 implementation in team-based setting. Tasks included host maintenance, monitoring, optimizations, storage management, networking, security hardening and version migrations. Migrated from vSphere 6.0 to 6.7 that complies with VMware validated designs
- Maintain VXRail infrastructure including upgrades, installation, moves and any required maintenance
- Build and develop Windows server standards and templates for entire enterprise. This included security requirements, Windows updates, software installation and maintenance. Team was responsible for building most Windows servers in the enterprise and performing all required lifecycle tasks on them
- Remediate security vulnerabilities on Windows servers utilizing security tools like Rapid7 InsightVM
- Day-to-day maintenance, monitoring and tasks on Windows Server 2008 – 2019 including work with DFS and failover clustering
- Developed and utilized PowerShell scripts for VMware (PowerCLI) and Windows Server to perform tasks such as AD group manipulations, VM and storage reporting, VM and host provisioning, feature installations, DFS shares, server permissions and more

Asbury Group Integrated Technologies

System Administrator

August 2015-June 2018

- General system administrator for Asbury group. Position covered all virtualization, storage, Citrix and Microsoft technologies including Active Directory, Exchange, DFS, SQL, IIS, SCCM and more on Windows Server 2008 R2 – 2016
- Administered and maintained HP 3Par and Nimble SANs. Work included replication, disk group creation, volume creation, host exports, updates and reporting
- Implemented and administered initial HP Simplify hyper-converged solution and oversaw migrations to the platform
- Served as primary VMware ESXi administrator. Work included backup, replication, monitoring, host creation, updates, upgrades, VMs, storage, troubleshooting and networks.

- Re-architected and migrated vCenter for a client that included implementing a more resilient 6.0 design that spanned multiple physical datacenters
- Stood up brand new ESXi environments with SAN (Nimble) and migrated from legacy hosts and storage to new architectures
- Maintained HP C7000 and Cisco UCS blade enclosures
- Prepared IT budgets for capex and opex for multiple customers
- Served as point of contact for many vendors. This included getting quotes from multiple sources for new projects/products
- Designed, implemented and maintained small (100 user) Citrix XenDesktop 7.6 farm for remote customer using Citrix PVS 7.6 on ESX hypervisor with pooled-random desktop model. Work also included small XenApp server for delivering applications very sensitive to latency
- Designed, implemented and maintained VEEAM backup architecture that includes a tape library and ExaGrid appliances
- Lead effort to optimize Active Directory replication and FSMO role holders
- Published, pushed and maintained applications and updates in Microsoft SCCM 2012 R2
- Utilized SolarWinds monitoring for deep server-level monitoring of applications including SQL, Exchange, Active Directory, IIS and more
- Implemented Citrix Netscaler as Access Gateway solution for customers to securely remote access Citrix resources
- Implemented and developed more plans for future use of Citrix Netscaler features beyond CAG such as load balancing, rewrite and AAA to meet business needs and requirements
- Implemented Group Policies to set Internet Explorer preferences, set backgrounds, run scripts, lock down systems, publish printers, push software and more
- Utilized PowerShell for Active Directory tasks, ESXi tasks and Exchange administration

Administrative Office of Pennsylvania Courts

Citrix Server Specialist

April 2012-August 2015

- Implemented and administered several XenApp 6.5 farms on Windows Server 2008 R2 virtualized on Citrix XenServer 5.6 that serve 5,000 daily users across the state with dozens of apps
- Utilized Citrix Provisioning Services for XenApp servers to ease administration and ensure security
- Created Group Policies to ensure a consistent, secure and reliable environment for users
- Administered Citrix Netscaler for service load balancing and remote access (Citrix Access Gateway)
- Authored PowerShell scripts to accomplish general maintenance and user maintenance tasks (user creation, group creation, group comparison, group additions, etc.)
- General maintenance tasks on over 2000 Wyse thin clients across the state
- Used monitoring tools such as Citrix EdgeSight, EM7 and QRadar to quickly and effectively resolve issues
- Continued improvement in efficiency and effectiveness in resolving level 2-3 tickets

Citrix Server Technician

May 2011-April 2012

- Involved in a team that implemented a new Citrix XenApp 5.0 infrastructure project on Windows Server 2003. Implementation tasks included group-policy creation, profile creation, software installation, server setup, account and group privilege assignments, database setup and documentation

- Installed and configured Citrix XenServer 5.6 on HP ProLiant blades using documented procedures to ensure consistency, performance and stability
- Involved in invoking top-level support from vendors that included Citrix, HP and Microsoft
- Documented, maintained and customized Citrix Web Interface 5.4 servers on Windows Server 2008 R2 to meet business requirements and to ensure consistency and security
- Audited servers in Citrix infrastructure to ensure they met with standards defined by the organization and the department
- Tested and piloted new Citrix infrastructure with users in remote offices
- Used ticketing system Remedy to quickly and efficiently resolve level 2-3 tickets

Student Intern

Nov. 2010-May 2011

- Implemented monitoring policies and techniques to ensure devices successfully and accurately report to an enterprise-wide monitoring solution (EM7)
- Performed general hardware maintenance on HP and Dell blade servers
- Assisted in the day to day operations of the Citrix XenApp 5 and Presentation Server 4.0 farms
- Helped maintain XenApp supporting technologies including Citrix XenServer, Citrix Provisioning Services and Citrix Netscaler
- Performed general system administration tasks on Windows Server 2003, 2008 and 2008 R2
- Involved in the project planning stages for new Citrix XenApp infrastructure that included new software, hardware and infrastructure changes designed to better meet business needs

Barkleigh Productions Inc. – Web Designer/Developer

2005-2021

- Side job – limited part-time basis
- Designed targeted email campaigns optimized for multiple email clients including mobile
- Maintained company's email marketing platform by optimizing content and inbox placement, handling list lifecycle management, analyzing campaign performance and continual list and campaign improvements

Certifications

Amazon AWS Certified Solutions Architect Associate

MongoDB Certified DBA Associate

MSCA Server 2012

VMware Certified Professional 2019 – Datacenter Virtualization

VMware Certified Advanced Professional 2019 – Datacenter Virtualization

Citrix Certified Enterprise Engineer for Virtualization

Citrix Certified Professional – Virtualization

Certified Kubernetes Administrator

Google Associate Cloud Engineer



Education

Central Pennsylvania College

2011

Bachelors in Information Technology with minors in Network Administration and Database Administration

Johns Hopkins University

2017

Masters in Information Systems Engineering