

# Brady Van Oss

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## Education

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### Purdue University, West Lafayette, IN

- B.S. in Cybersecurity

## Constellation Networks

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### Network Engineering Architecture

- Ran 5 Vyos routers across 2 different states to provide low latency access
- Used OSPF and BGP to interlink various clusters of servers to emulate the internet
- Used Wireguard in between routers to ensure packet security

### DNS Infrastructure Implementation

- Ran a custom top level DNS server allowing users to have custom domain names
- Deployed a recursive DNS server to resolve users requests to custom domains

### Single Sign On

- Implemented Single Sign On for all users on the network with Authentik
- Developed an easy-to-use environment for new users

### OpenVPN

- Ran an OpenVPN server that used the Single Sign On server for authentication
- Ensured that all users could easily access network resources

### Network Storage

- Ran a TrueNAS server with 8 disks that allowed machines to backup remotely
- Used NFS as storage for virtual machines to emulate a SAN

### Virtualization

- Ran 3 Proxmox Servers that serve as the backbone of most of the network
- Ensured uptime and reliable function of servers
- Managed permissions to allow other users to manage their own virtual machines

## Experience

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Purdue University, ResNet Support

Jan 2025 – Present

Provided technical support to students and faculty of Purdue University