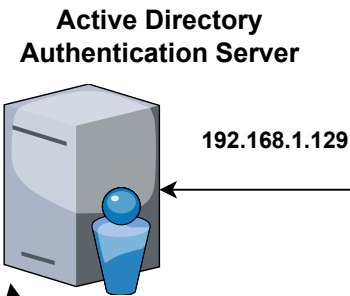


Active Directory Authentication server is responsible for storing user credentials and providing authentication services to the FreeRadius authentication server



FreeRadius Authentication server is responsible for authenticating and Authorizing users against the Active Directory server



A captive portal is a webpage that asks users to verify their identity before they can access the company's network. It will reference the FreeRadius Server for the first two A's in AAA Security

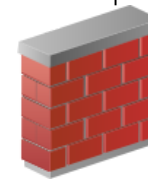


Internet

Powershell Script ran from Windows Server 2019



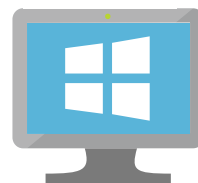
- Assign Static IP
- Install Active Directory
- Create Forest and Domain
- Assign Windows Server as Domain Controller
- Create Users



pfSense

WAN: 10.0.2.10/24  
LAN: 192.168.1.1/24

The pfSense firewall is the gateway to the company's network. It is responsible for routing traffic between the company's network and the Internet and raising the Captive Portal for new network users



Win10 VM

192.168.1.101

Access the Internet through pfSense