

Authentication Process Flowchart

Ops-301d8 Final Project

Team 405 Found

- Raheem Reed
- Dustin Haggett
- Jon McMullin
- Chris Bennett

Explanation:

1. As new companies are acquired, their employee data will be downloaded from HR records into a .csv file.
2. A Powershell script will extract that data, import it into Active Directory (AD) and use it to create new user profiles.
3. When one of the new users attempts to login to the corporate domain/virtual private network (VPN), they will be stopped by a captive portal from pfSense router, which will ask them to login with their credentials.
4. Once they enter their credentials, the captive portal will query AD to authenticate the user and determine the user's authorizations.
5. If authentication is successful, the user will be granted access to the VPN and the resources (files, applications, web browsers, etc.) to which their profile authorizes them.

