

During my internship, in Active Directory (AD) I'm excited to share the experiences I've had over the 50 hours of this enriching learning journey. This phase has been about deepening my knowledge and skills in AD administration and exploring areas in a real world context. Working closely with professionals I actively participated in projects that aimed to enhance my expertise as an AD administrator and contribute effectively to managing network infrastructure. In this phase my main focus was on integrating Active Directory Federation Services (AD FS) with Multi Factor Authentication (MFA). With guidance from mentors I successfully configured AD FS to enforce MFA for user authentication adding a layer of security against unauthorized access attempts. This experience has reinforced the importance of authentication mechanisms when it comes to safeguarding resources. Additionally I delved into deploying Active Directory Certificate Services (AD CS). Collaborating with mentors we set up AD CS to issue and manage certificates enabling secure communication and data encryption within the AD environment. This experience allowed me to gain insights into certificate management intricacies and its pivotal role in enhancing network security. Finally another area I focused on was. Resolving trust relationships, within Active Directory environments.

During my internship, in Active Directory I had the opportunity to work alongside mentors who guided me in validating trust configurations. I focused on ensuring the integrity of these configurations and developing strategies to address any issues that arose. It was crucial to maintain an reliable trust infrastructure. Additionally I delved into Claims Based Authentication within Active Directory Federation Services (AD FS). With the help of professionals I learned how to configure AD FS for claims based authentication, which allowed for precise user access control based on attributes rather than relying solely on usernames and passwords.

Moreover I dedicated time to mastering PowerShell scripting specifically for Active Directory management. Through collaboration with my mentors I acquired skills in automating tasks like user provisioning, group management and policy enforcement within AD. Leveraging PowerShell scripting proved valuable in streamlining AD administration and optimizing operational efficiency. The past 50 hours of my internship have been truly transformative as they provided opportunities to explore concepts within Active Directory and engage in projects. Tasks such, as integrating AD FS with factor authentication (MFA) deploying AD CS validating and addressing trust relationships implementing claims based authentication and utilizing PowerShell scripting have significantly enhanced my expertise as an AD administrator. As I continue with the remaining hours of my internship I'm thrilled to delve into AD concepts and make valuable contributions, to meaningful projects. The knowledge and skills I've acquired during this period have equipped me to handle challenges in Active Directory administration. My goal is to play a role, in managing network infrastructure ensuring data security and improving efficiency.