Lab 2

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Lab 2

DC01:

A screenshot of a computer

Description automatically generated

Active Directory Domain Servies have been installed

A screenshot of a computer

Description automatically generated

This command shows that the active directory install has been promoted to domain controller

A screenshot of a computer

Description automatically generated

Screenshot of the active directory

PC01:

A screenshot of a computer

Description automatically generated

Successfully paired to domain btrinkle.local

**Summary:**

The process of setting up Active Directory Domain Services is a critical aspect of managing network infrastructure within organizations. This comprehensive procedure involves configuring a domain controller (DC01) and integrating client personal computers, like PC01, into the Active Directory domain. Initially, we start by launching the DC01 server and adding the Active Directory role via Server Manager. This step-by-step process entails navigating through a series of prompts within the installation wizard, beginning with specifying the installation type as either role-based or feature-based. Subsequently, we then select the Active Directory Domain Services role and proceed to configure deployment settings such as the root domain name, btrinkle.local, and the Directory Services Restore Mode password. Once the installation is completed, we verify the successful integration by checking for Active Directory-related options in the Tools menu of Server Manager.

After configuring the domain controller, we then proceed to join PC01 to the Active Directory domain. This process involves several steps aimed at seamlessly integrating the client machine into the domain environment. Initially, we log into PC01 using Administrator credentials and access the system settings through the Control Panel. Within the System properties, we navigate to the Computer Name tab and initiate the process of changing the computer's domain membership from a workgroup to the Active Directory domain. Upon selecting the domain (btrinkle.local) and entering the NETBIOS domain name (BTRINKLE), in the specified format, then we provide Domain Administrator credentials for authentication. Once authenticated, PC01 is successfully joined to the domain, enabling user authentication and access control within the Active Directory framework. Following a restart prompted by the system, administrators log in using domain credentials, ensuring smooth access to network resources.

In conclusion, the process of setting up Active Directory Domain Services is essential for establishing efficient network management and resource allocation within organizations. By configuring the domain controller and integrating client machines into the domain, administrators create a centralized platform for user authentication, access control, and resource management. This streamlined approach enhances collaboration and productivity while safeguarding the security and integrity of organizational data and resources. Adherence to the outlined steps and thorough documentation is crucial for the successful implementation and maintenance of Active Directory services within the organization. Through meticulous planning and execution, administrators can leverage the capabilities of Active Directory Domain Services to optimize network performance and support organizational objectives effectively.

# References

Lauer, B. J. (2024, March 18). *Module 2/Lab 2*. Retrieved from Canvas IFT-220: https://canvas.asu.edu/courses/182822/files/82426769?wrap=1