ISE Active Directory Integration:

Cisco ISE uses Microsoft Active Directory as an external identity source to access resources such as users, machines, groups, and attributes. User and machine authentication in Active Directory allows network access only to users and devices that are listed in Active Directory.

Prerequisites for Integrating AD and ISE:

o   Ensure have AD Domain Admin credentials, required in order to make changes.
o   Ensure that you have the privileges of a Super Admin or System Admin in ISE.
o   Make sure the time within the ISE is synchronized with the domain Controller.
o   Use the NTP server settings to synchronize time between the ISE server and AD.
o   If ISE cannot resolve DNS with domain name servers, joining domain will fail.
o   Open console or SSH into ISE & run command Show run | include name-server.
o   If do not have DNS servers listed or incorrect servers are listed, then need to fix.
o   Network connectivity between Cisco ISE and Active Directory Domain Controller.
o   Network connectivity between Cisco ISE and the Domain Name System Server.
o   That all records exist for the Active Directory (AD) server on the DNS Server.
o   Make sure there is no time difference between Cisco ISE and domain controller.
o   Make sure that Domain controller and DNS server firewall settings allow traffic.
o   Make sure that Active Directory username & Active Directory password correct.
o   Make sure that Cisco ISE node can communicate with the network NTP Server.
o   Make sure that Cisco ISE node can communicate with DNS & Domain Controllers.