

Security Lab

Lab 3: Enterprise Active Directory Configuration

Systems Security Management

Microsoft Active Directory Services Design
System Documentation

April 4, 2023

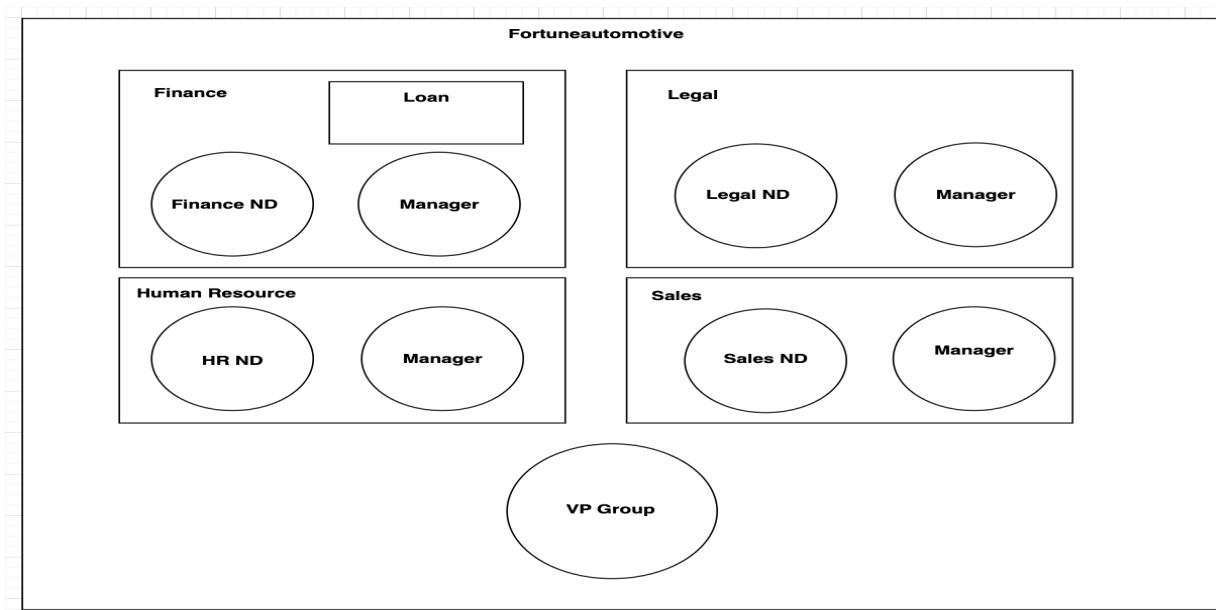
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User Account Information

I have made a separate Microsoft excel sheet of user account information. I made 6 Organizational Units: Fortuneautomotive, Finance, Loan, HR, Sales, and Legal and 9 Security groups: VP Group, Finance Managers, Finance Network Drive, HR Managers, HR Network Drive, Legal Managers, Legal Network Drive, Sales Managers, Sales Network Drive. For the user logon name/email, I just combined first name and the last name. In case duplicate logon name, we can append unique number in the end of the logon name. For password, I took initial from first name and last name and combine it with @12345. For example, Password for Evan Taylor is et@12345. I have also added job title, department, and manager of the user object.

Describe the Design

In my AD design, I have created one root-level OU Fortuneautomotive which has the CEO Michael Fort, and the other four OU representing each unit of the organization. In the root OU, I also made a VP security group for all the VPs with the CEO.



Other OUs have their own network drive security group and Managers security group with their VP. Finance OU has an extra Loan OU which is a subunit of the finance unit. In the above diagram square box represent an OU and circle represents a security group.

Justify the Design

My Active Directory is designed considering scalability in mind, every department has their own Organizational units and if they have sub-unit, I have made another OUs inside them like in case of finance and loan. This way, I can manage my domain hierarchies in scalable way and can easily apply policies. Every OU has a security group with members who has highest designation in the same OU and One member from higher level, by this means higher level unit can share some access controls or other things with lower-level OUs. Within the OU, I have made network drive security group which helps us to apply group policies within the OU.