**Topic: OAuth B2C: Business 2 client:**

**Netflix Application**:

Users list:

1.Surya

2.sai

3.vinay

4.vamsi

5.Hayagreev

Services list:

1. Login
2. Members
3. Account type: Basic

standard

Premium

1. Manage devices
2. Logout

**Service 1**: login service access -à 5 Members

**Service 2**: member service access-à 5members

**Service 3**: account (Based on user requirement)

Premium: Surya

Standard : Sai, Vamsi

Basic : Vinay, Hayagreev

Premium service end point: ( Sai , Vinay) is not applicable to get a benefits of premium account services.

standard service end point: (Vinay, Hayagreev) is not applicable to get a benefits of Standard account services.

**Service 4**: Manage device service

By using this service premium account holder can able to give the access to other service end point users

**Service 5**: Logout service access to 5members

Login is a independent service and other 4 is a inter dependent services here.

Login service act like a parent service it provides the access to the other interdependent services.

**RESOURCE GROUP**: Resource group is nothing but the collection of resources and maintain our all resources in one platform.

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Main intension of virtual network creation is maintain (or)Run resources within our own private network and it doesn’t give the access rights to any other third party.

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* The purpose of AKS is to deploy our micro services and maintaining multiple manageable services.

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ACR (azure container registry):

* ACR : image migration from on Primeses to public cloud.
* It is one of the repository.
* Need to prepare docker file before creating the ACR maintain with docker file tag line.
* Then all the services migrate to public cloud system.
* Send the image from on premise to public cloud, we have to install AZ CLI.
* We need to provide access to the AKS subnet to pick up the image and to deploy the service.

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Key vault:

* With the help of service principal store the sensible information in the key vault.
* Key vault gives security to the sensible information like user names and passwords.
* With the help of key vault we can securely stores the keys, passwords, secrets and certificates.
* In that time of place the sensitive information in secrets we should not provide the any activation date or expire date.
* But here we have to provide the activation date and expire date for certificates so here we give access rights to the others with the help of access policy.

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Azure Active Directory (AAD):

* After infrastructure development start the deployment by using pipeline.
* But here need to access rights to development team also for call the key-vault values.
* Go to our “AAD” before that members should be a part of AAD then only you can be able to do assign the users to the group
* Make as a owner (or) contributor you need to assign the customized roles to the required teams.

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we are giving the group level access and individual access to members.

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* Owner only can read, contribute, and modify the group nothing but managing now we are adding members to the group.
* Here giving access to resources: Vnet, AKS.. whatever it.
* Here we are giving READ and CONTRIBUTE access in Vnet resource.
* **Reader** views all resources but not allow to make any changes
* But **Contributor** manage all the resources and can make any changes whatever you want.