

## WVD HOST POOL Creation in Non-ARM Model

## Prerequisites

AD Account in the AZ subscription need to Setup.

After creating AD add users and give role assignments to the users.

Then create management and workload VNETS, Subnets and then add peering between them.

Create ADDS account.

Create a Jump server in Management Vnet.

Change the DNS settings of the VNETS and assign static DNS IP's to the VNETS. Change the DNS settings of the VM's as well to point to the same IP's in Ipv4 settings.

Then add users in the AZ AD Group which is created when Domain services was created to control the VM's to join the domain

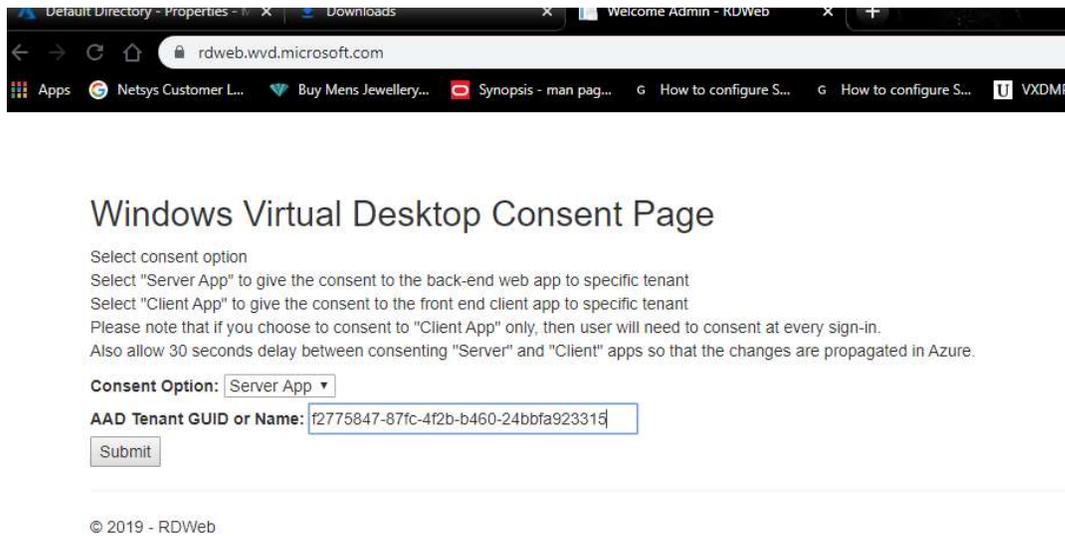
# Process of Creating Hostpool

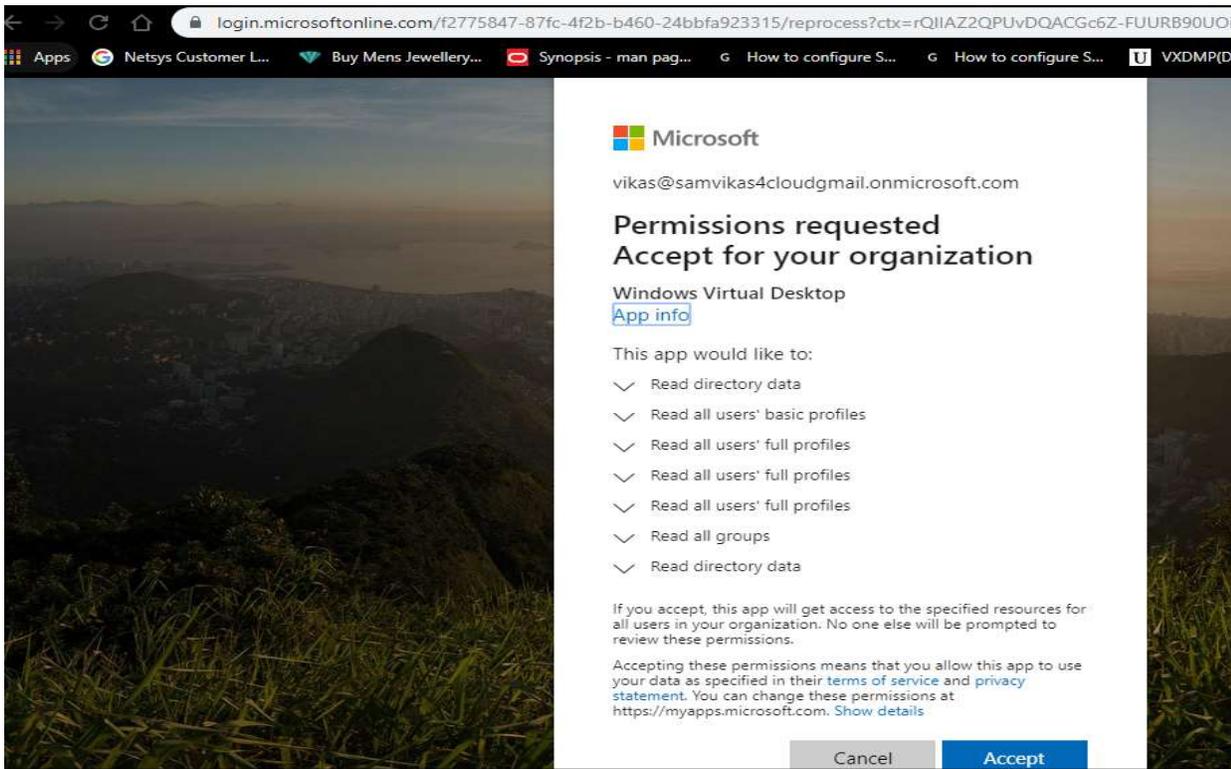
## Grant permissions to Windows Virtual Desktop

Granting permissions to the Windows Virtual Desktop service lets it query Azure Active Directory for administrative and end-user tasks.

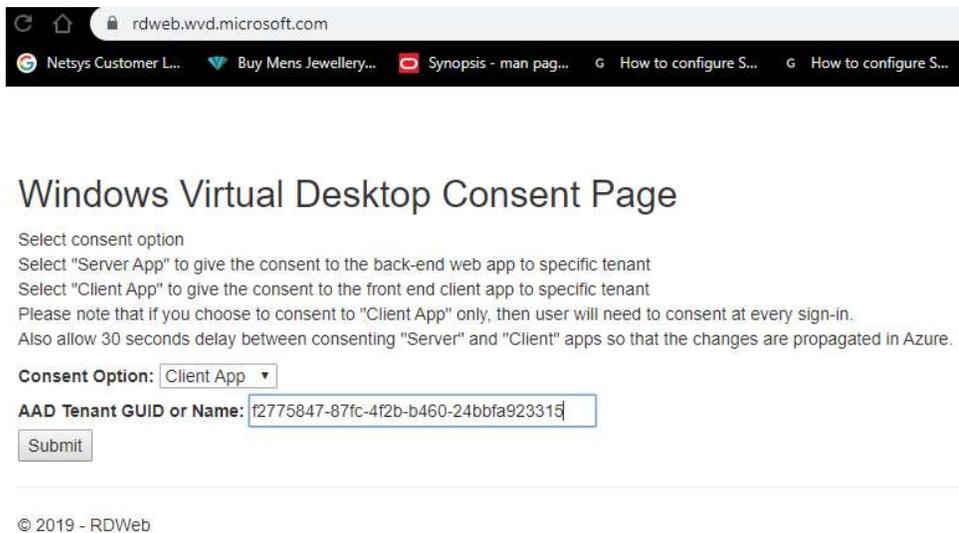
To grant the service permissions:

Open a browser and begin the admin consent flow to the Windows Virtual Desktop server app. Give the AAD tenant GUID that we get from AAD > Properties on the Azure Portal:



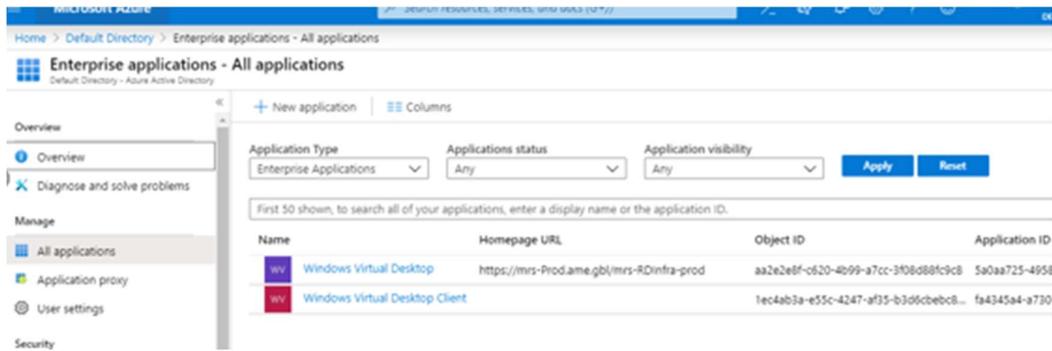


Open a browser and begin the admin consent flow to the Windows Virtual Desktop client app.



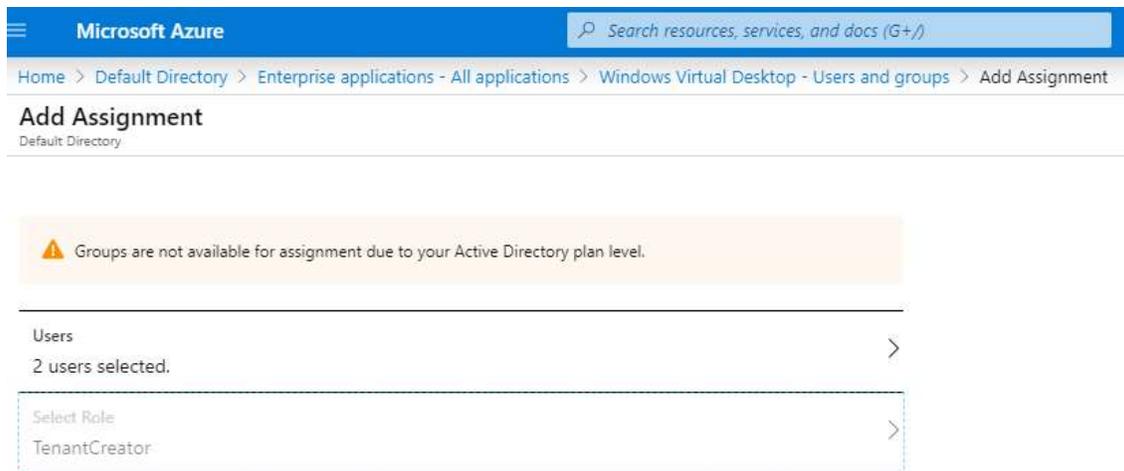
### Assign the Tenant Creator application role

Once the Server APP and Client App consent is done, we get Enterprise applications reflected under AZ AD Enterprise Applications section like below:



You might see that the administrator who granted consent to the application is already listed with the Default Access role assigned. This is not enough to create a Windows Virtual Desktop tenant.

Select Users and groups. Then add users in the below path to each App above, to assign permissions to create tenants where the role of the users should be Tenant Creator:



## Create a Windows Virtual Desktop tenant

Install the RDInfra PowerShell modules:

```

Administrator: Windows PowerShell ISE (x86)
File Edit View Tools Debug Add-ons Help
PS C:\windows\system32>
PS C:\windows\system32>
PS C:\windows\system32>
PS C:\windows\system32>
PS C:\windows\system32>
PS C:\windows\system32> Install-Module -Name Microsoft.RDInfra.RDPowerShell
PS C:\windows\system32> Import-Module -Name Microsoft.RDInfra.RDPowerShell
PS C:\windows\system32>

```

Register RDBroker Deployment URL <https://rdbroker.wvd.microsoft.com> with user having Tenant creator role as assigned above:

```

PS C:\windows\system32> Add-RdsAccount -DeploymentUrl "https://rdbroker.wvd.microsoft.com"
Add-RdsAccount : One or more errors occurred.
At line:1 char:1
+ Add-RdsAccount -DeploymentUrl "https://rdbroker.wvd.microsoft.com"
+ ~~~~~
+ CategoryInfo          : NotSpecified: (:) [Add-RdsAccount], AggregateException
+ FullyQualifiedErrorId : System.AggregateException,Microsoft.RDInfra.RDPowerShell.Context.AddRdsAccount

PS C:\windows\system32> Add-RdsAccount -DeploymentUrl "https://rdbroker.wvd.microsoft.com"

DeploymentUrl          TenantGroupName      UserName
-----
https://rdbroker.wvd.microsoft.com Default Tenant Group vikas@samvikas4cloudgmail.onmicrosoft.com

PS C:\windows\system32>

```

Create a Tenant using:

```

PS C:\windows\system32> New-RdsTenant -Name wvd labs -AadTenantId <xxxxxxxxxxxxxxxxxxxxxxxx> -
AzureSubscriptionId <xxxxxxxxxxxxxxxxxxxxxxxx>

```

Now we can see the below output by any Tenant owner:

Get-RdsTenant

```

TenantGroupName      : Default Tenant Group
AadTenantId          : xxxxxxxxxxxxxxxxxxxxxxxxxxxx
TenantName           :XXXXXXXXX
Description           :
FriendlyName         :
SsoAdfsAuthority     :
SsoClientId           :
SsoClientSecret      :
AzureSubscriptionId  : xxxxxxxxxxxxxxxxxxxxxxxxxxxx

```

LogAnalyticsWorkspaceId :

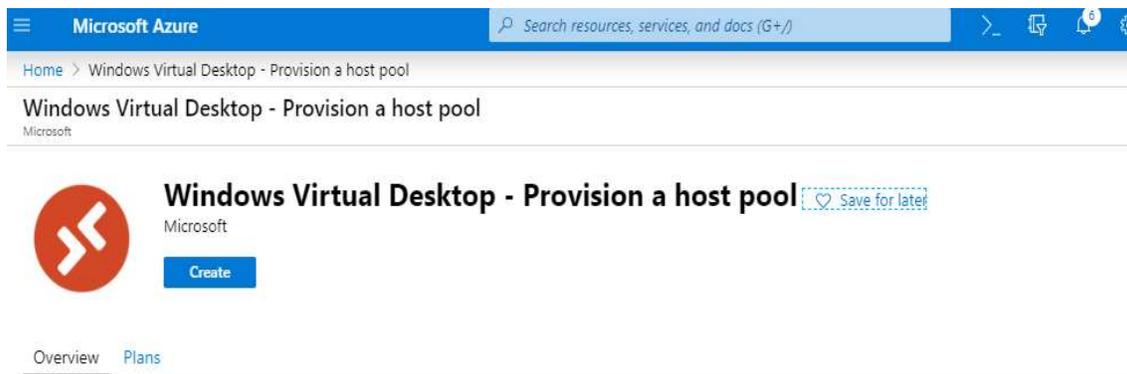
LogAnalyticsPrimaryKey :

Assign a new owner to the Tenent:

```
>New-RdsRoleAssignment -RoleDefinitionName 'RDS Owner' -TenantName wvdnewlab -SignInName <UPN>
```

### 3.1 Create a host pool by using the Azure Marketplace

Log on to Azure Portal and Create Hostpools using below service:



Pooled hostpool can be created by choosing Pooled option as Desktop Type:

## Create Windows Virtual Desktop - Provision a host pool

Subscription \* ⓘ

Resource group \* ⓘ  [Create new](#)

Instance details

Region \* ⓘ

Hostpool name \*

Desktop type ⓘ  Pooled  Personal

Default desktop users ⓘ

Windows Virtual Desktop stores information that is global in nature. Select the location you would like the service metadata to be stored. [Learn more](#)

Service metadata location

### ✔ Your deployment is complete

Deployment name: rds.wvd-provision-host-pool-20200217161605 Start time: 2/17/2020, 4:35:02 PM  
 Subscription: 7f122200000000000000000000000000 Correlation ID: 67fbeade-87cc-4745-8748-c4c5447c7  
 Resource group: wvd\_test\_rg

#### Deployment details [\(Download\)](#)

Resource	Type	Status	Operation details
✔ wvdwin10MSpl-0/dscexter	Microsoft.Compute/virt...	OK	<a href="#">Operation details</a>
✔ wvdwin10MSpl-0/joindorr	Microsoft.Compute/virt...	OK	<a href="#">Operation details</a>
✔ wvdwin10MSpl-vmCreati	Microsoft.Resources/de...	OK	<a href="#">Operation details</a>
✔ wvdwin10MSpl-availabi	Microsoft.Compute/avai...	OK	<a href="#">Operation details</a>
✔ pid-836bce42-d18b-4b20	Microsoft.Resources/de...	OK	<a href="#">Operation details</a>

#### Next steps

[Go to resource](#)

Create Personal Hostpool just by choosing Personal option as Desktop Type:

Basics	
Subscription	wvdnewlabwvd
Resource group	wvd_newlab_wi_rg
Region	South Central US
Hostpool name	wvd_win10MS_Per001
Desktop type	Personal
Default desktop users	sayyad@wvdnewlaboutlook.onmicrosoft.com
Service metadata location	United States
Configure virtual machines	
Total users	2
Virtual machine size	Standard_B2s
Virtual machine name prefix	wvdwin10pers
Virtual machine settings	
Image source	Gallery

Image OS version	Windows 10 Enterprise multi-session
Disk Type	Standard HDD
AD domain join UPN	sayyad@wvdnewlaboutlook.onmicrosoft.com
Admin Password	*****
Specify domain or OU	No
Virtual network	wvd_newlab_wi_vnet02
vmSubnet	wvd_newlab_wi
Address prefix (vmSubnet)	10.0.0.0/24

#### Windows Virtual Desktop information

Windows Virtual Desktop tenant group name	Default Tenant Group
Windows Virtual Desktop tenant name	wvdnewlab
Windows Virtual Desktop tenant RDS OwnerUPN	
UPN	sayyad@wvdnewlaboutlook.onmicrosoft.com
Password	*****

## Create a host pool by using ARM template

We can also deploy through the ARM templates provided by Microsoft, launched from the below link:

<https://github.com/Azure/RDS-Templates/tree/master/wvd-templates/Create%20and%20provision%20WVD%20host%20pool>

In the Web page, click on the Deploy to Azure link which will direct you to Azure portal and login with the user having tenant creator role assigned. Fill all the necessary details like below, then validate and deploy:

