# Windows Virtual Desktop

Deployment Lab

V1.1

# Disclaimer:

The purpose of this guide is to show how to create a very simple Windows Virtual Desktop Lab.

The steps are not showing Microsoft best practices about creating a production Windows Virtual Desktop Environment.

# Activate Azure Pass

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| Access the following site  Note:   * A Microsoft Account is needed * Don’t use your work account * If needed create a new account using [www.outlook.com](http://www.outlook.com) | [www.microsoftazurepass.com](http://www.microsoftazurepass.com) |
| Enter the promo code |  |
| Complete the registration |  |

# Create Domain Controller and Users

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| From the azure portal [www.portal.azure.com](http://www.portal.azure.com) click on “Resource groups” |  |
| “Add” |  |
| Name it “WVDTrial-DC” |  |
| Inside the resource group WVDTrial-DC click Add |  |
| Search for Windows Server  Select Windows Server 2019 Datacenter  Click Create |  |
| Name the VM “DC01”  Region “West Europe”  Insert Username “AdminWVD” and a password  Leave other choices as default  The deployment will take 4 minutes |  |
| Connect to DC01  From Server Manager click on Add roles and features |  |
| Click Next  Select “Active Directory Domain Services”  Click Next  Click Install |  |
| In the “WVDTrial-DC” resource group click on the network interface |  |
| Click on IP configurations  Click on ipconfig1 |  |
| Click on Static  Save |  |
| Back on the Resource Group  Click on the Virtual Network |  |
| Click on DNS Servers  Click on Custom  Insert the DC01 ip 10.0.0.4  Save |  |
| Reboot DC01  Back in the server manager click on the Flag on top right corner  Click on “Promote this server to domain controller” |  |
| Specify “Add a new forest” and insert as a root domain name “Contoso.com”  Click next  Leave all the other options as default |  |
| Create 3 users  WVD  WVDUser1  WVDUser2 |  |
| In the Azure Portal access Azure Active Directory and create a new user |  |
| Assign to this new user “Global Administrator” rights |  |

# Synch Users with Azure AD

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| From DC01 download AD Connect | <https://www.microsoft.com/en-us/download/details.aspx?id=47594> |
| Install AD Connect |  |
| Use Express Settings |  |
| Insert the Azure AD Global Administrator user |  |
| Insert the Contoso\adminwvd user |  |
| Click on “Continue without matching…” |  |
| Install |  |
| Verify that the users are synched in the Azure AD portal  **IMPORTANT**  Give to the user WVD the Azure AD Global Admin Rights |  |

# Tenant Creation

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| For a browser open the first [Consent Page](https://login.microsoftonline.com/common/adminconsent?client_id=5a0aa725-4958-4b0c-80a9-34562e23f3b7&redirect_uri=https%3A%2F%2Frdweb.wvd.microsoft.com%2FRDWeb%2FConsentCallback)  Log in using [WVD@[yourAzureADDomain].onmicrosoft.com](mailto:WVD@[yourAzureADDomain].onmicrosoft.com))  IMPORTANT the user [WVD@[yourAzureADDomain].onmicrosoft.com](mailto:WVD@[yourAzureADDomain].onmicrosoft.com))  Must be AAD Global Admin  Accept |  |
| For a brower open the first [Second Consent Page](https://login.microsoftonline.com/common/adminconsent?client_id=fa4345a4-a730-4230-84a8-7d9651b86739&redirect_uri=https%3A%2F%2Frdweb.wvd.microsoft.com%2FRDWeb%2FConsentCallback)  Log in using the Azure AD Global Admin account  Accept |  |
| From the Azure AD portal select  Enterprise applications 🡪 All Applications  Select **Windows Virtual Desktop Client** |  |
| Select **Users and groups**  Click on **Add user** |  |
| Insert all the users that will use the solution  **WVD**  **WVDUser1**  **WVDUser2** |  |
| Select **Owners**  Assign **WVD** as the owner of the group |  |
| Select **“Windows Virtual Desktop”** |  |
| WVD User as a **owner** |  |
| WVD User in **“Users and groups”** |  |
| Back to the Azure AD Portal select **Properties**  Copy the **“Directory ID”** |  |
| Back in the Azure Portal select **Subscriptions**  Copy the **“Subscription ID”** |  |
| Open an administrative powershell  Download and import the Windows Virtual Desktop module | Set-ExecutionPolicy unrestricted  Install-Module -Name Microsoft.RDInfra.RDPowerShell  Import-Module -Name Microsoft.RDInfra.RDPowerShell |
| Add the RDS Account (Tenant Creator)  (Log in with [WVD@[yourAzureADDomain].onmicrosoft.com](mailto:WVD@[yourAzureADDomain].onmicrosoft.com)) | Add-RdsAccount -DeploymentUrl <https://rdbroker.wvd.microsoft.com> |
| Create a new tenant  **NOTE** the name MUST be unique | New-RdsTenant -Name <TenantName> -AadTenantId <DirectoryID> -AzureSubscriptionId <SubscriptionID> |

# Host Pool Creation

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| From the Azure Portal search for Windows Virtual Desktop  Click on “create” |  |
| Insert  Resource Group: WVDTrial-VM  Region: West Europe  HostPool Name: WVDTrialHostPool  Users with comma  Next |  |
| Due to the Azure Pass credit limitation Select:  Usage profile **Light**  Total Users **2**  Size **B2s**  Prefix **WVDTrial**  Next |  |
| Insert the AdminWVD user  **IMPORTANT**  Select the DC01 Virtual Network and Subnet  Next |  |
| Insert the Tenant Name created with powershell  The user [WVD@[yourAzureADDomain].onmicrosoft.com](mailto:WVD@[yourAzureADDomain].onmicrosoft.com))  Leave other settings by default  Create the tenant |  |
| Check from this site that the user  [WVDUser1@[yourAzureADDomain].onmicrosoft.com](mailto:WVDUser1@[yourAzureADDomain].onmicrosoft.com))  Is able to request a VM  <https://rdweb.wvd.microsoft.com/webclient> |  |

# FSLogix profiles

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| From DC01 log into the W10 VM with the WVDAdmin user and [download the FSLogix agent](https://aka.ms/fslogix_download) and Unzip the files inside the .zip installer |  |
| Execute x64\release\FSLogixAppsSetup |  |
| Open the registry editor using regedit command |  |
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# Homework: MSIX App Attach

<https://github.com/mmoioli/WVD/tree/master/MSIX%20Lab>