



# **Application Entitlement Workflow for WVD**

## **Virtual Desktop Service**

Toby vanRoojen  
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# Application Entitlement Workflow for WVD

## Overview

In a Windows Virtual Desktop (WVD) environment, application access is managed by app group membership.



This workflow only applies to WVD deployments. For RDS application entitlement documentation, please see [Application Entitlement Workflow for RDS](#)



WVD is a well documented service and there are many [public resources for information](#). VDS does not superseded the standard way that WVD operates. Rather, this article is designed to illustrate how VDS approaches the standard concept found across all WVD deployments.



Reviewing the [VDS Logical Hierarchy Overview](#) article may be useful before or while reviewing this article.

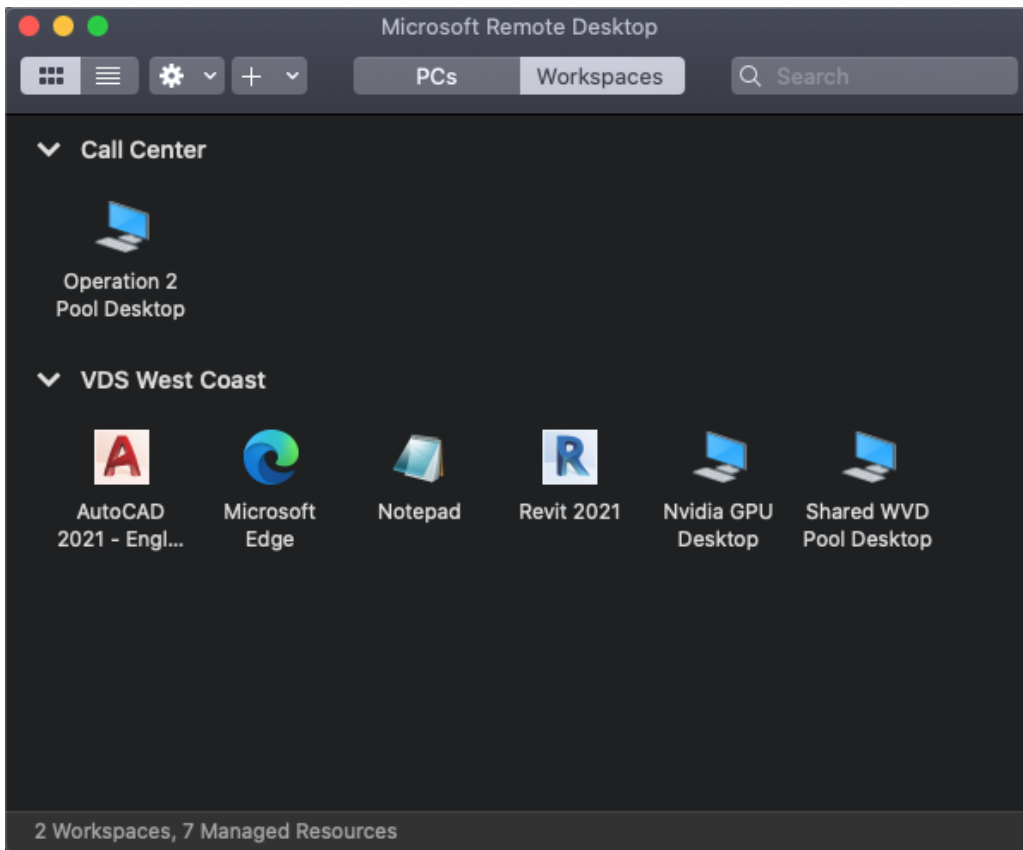
## The End User View

In Windows Virtual Desktop, each end user is assigned access to RemoteApp(s) and/or Desktop(s) by their WVD administrator. This is accomplished via App Group assignment in VDS.

**RemoteApp** refers to an application that runs remotely on the session host but is presented on the local device without the desktop context. Commonly referred to as a "streaming app", these application look like a local application on the local device but run in the security context, and on the storage and compute layer of the session host.

**Desktop** refers to the full Windows experience running on the session host and presented on the local device, typically in a full screen window. Commonly referred to as "remote desktop", this desktop itself will contain any applications installed on that session host which can be launched by the user from within the desktop session window.

At login, the end user is presented with the resources assigned to them by their administrator. Below is an example of the view an end user may see when logging in with their WVD client. This is a more complex example, often an end user will only have a dingle desktop or RemoteApp assigned to them. The end user can double click on any of these resources to launch that application/desktop.



In this more complex example, this user has access to two different desktop sessions and 4 different streaming applications:

- **Available Desktops**

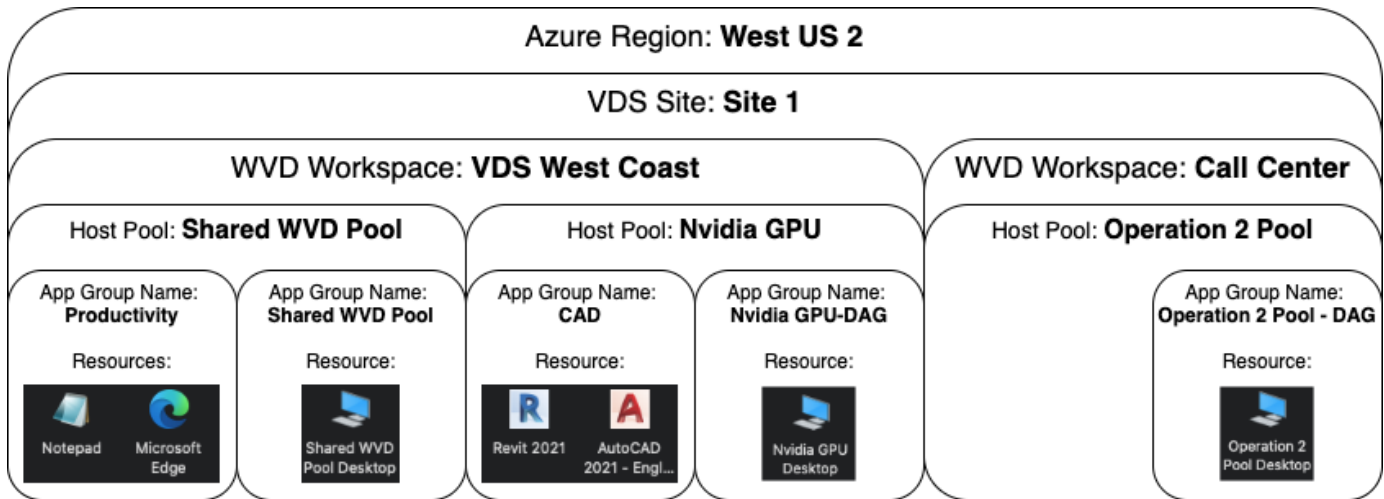
- Nvidia GPU Desktop
- Shared WVD Pool Desktop
- Operation 2 Pool Desktop

- **Available RemoteApps**

- AutoCAD 2021
- Revit 2021
- Microsoft Edge
- Notepad

Behind the scenes these applications and desktops are hosted across a variety of session hosts, WVD workspaces and could even be hosted in different Azure regions.

Here is a diagram illustrating where each of these resources are hosted and how they got assigned to this end user.



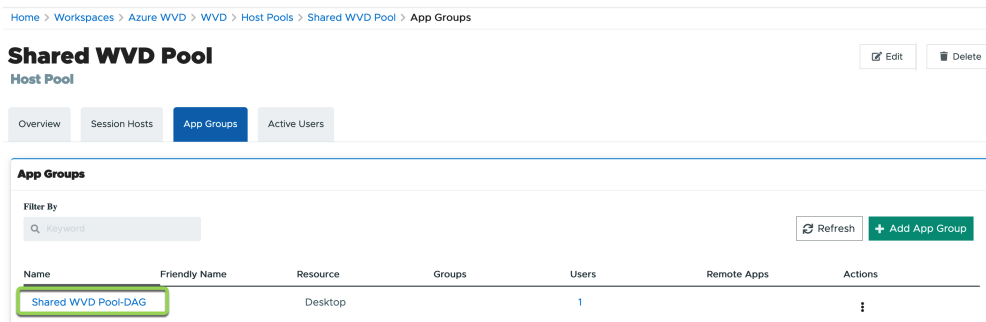
As shown above, the various resources available to this end user are hosted in different session hosts, in different host pools, and potentially managed by different IT organizations in different WVD Workspaces. While not showing in this example, these resources could also be hosted in different Azure regions and/or subscriptions using the VDS Sites feature.

## Providing Desktop Access

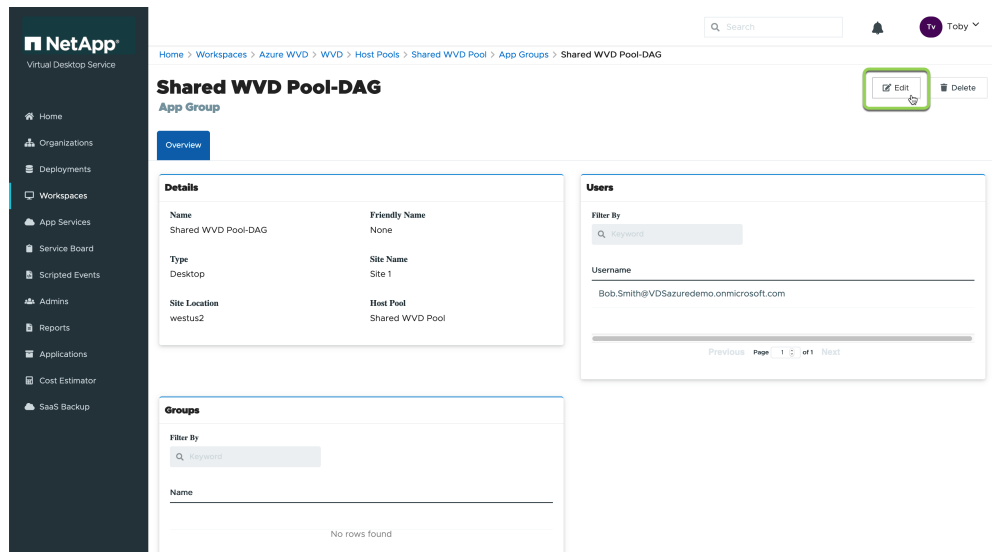
By default every host pool starts with a single app group, used to assign access to the Windows desktop experience. All applications installed on these session hosts will be accessible to the end users assigned to this app group.

To enable the Desktop resource for users in VDS:

1. Navigate to the Workspaces > WVD > Host Pool > App Groups page and click on the App group for the "Desktop" resource.



2. Once inside the App Group, click Edit



3. From the edit dialog, you can add or remove users to this App Group by User and/or by Groups.

### Editing Shared WVD Pool-DAG

#### Basic Info

##### Type

☒ Desktop ☐ RemoteApp

##### Name

Shared WVD Pool-DAG

Required

##### Workspace

5z5w

Required

##### Friendly Name

Friendly Name...

#### Users

##### Filter By

Keyword

☐

Username

Name

☐ Bob.Smith@VDSazuredemo.onmicrosoft.com Bob Smith

Previous Page 1 of 1 Next

#### Groups

##### Filter By

Keyword

☐

Name

Users

☐ 5z5w Sales 1

☐ 5z5w Marketing

☐ 5z5w-all users 1

Previous Page 1 of 1 Next

Cancel

Save

## Providing RemoteApp Access

In order to provision access to RemoteApps, a new app group needs to be created within the host pool. Once created, the appropriate apps need to be assigned to this app group.



Any applications on these sessions hosts will already be available to any users assigned to this host pool's "Desktop" AppGroup. It is not necessary to also provision access via a RemoteApp app group simply to provide access to apps. A RemoteApp app group is only necessary to enable access to apps that run as-if on the local device as a streaming app.

### Create a New App Group

1. Navigate to the Workspaces > WVD > Host Pool > App Groups page and click on the + *Add App Group* button

The screenshot shows the Azure portal interface for managing WVD App Groups. The breadcrumb trail at the top reads: Home > Workspaces > Azure WVD > WVD > Host Pools > Shared WVD Pool > App Groups. The main heading is 'Shared WVD Pool' with a 'Host Pool' sub-label. There are 'Edit' and 'Delete' buttons in the top right. Below the heading are four tabs: 'Overview', 'Session Hosts', 'App Groups' (which is selected), and 'Active Users'. The 'App Groups' section has a 'Filter By' search bar with the placeholder 'keyword'. To the right of the search bar are 'Refresh' and '+ Add App Group' buttons. Below this is a table with the following columns: Name, Friendly Name, Resource, Groups, Users, Remote Apps, and Actions. The table contains one entry: 'Shared WVD Pool-DAG' with a 'Desktop' resource, 1 user, and an 'Add' button in the Actions column.

Name	Friendly Name	Resource	Groups	Users	Remote Apps	Actions
Shared WVD Pool-DAG		Desktop		1		Add

2. Enter the Name, Workspace and Friendly Name for this app group. Select the users and/or groups that should be assigned and click **Save**

## Add App Group

### Basic Info

Type

☐ Desktop ☒ RemoteApp

Name

Required

Productivity Apps

Workspace

Required

5z5w

✕

Friendly Name

Productivity Apps

### Users

1 item(s) selected

Show Clear

Filter By

Keyword



Username

Name



Bob.Smith@VDSazuredemo.onmicrosoft.com

Bob Smith

Previous Page 1 of 1 Next

### Groups

Filter By

Keyword



Name

Users



5z5w Sales

1



5z5w Marketing



5z5w-all users

1

Previous Page 1 of 1 Next

Cancel

Save

## Add Applications to the App Group

1. Navigate to the Workspaces > WVD > Host Pool > App Groups page and click on the App group for the "RemoteApp" resource.



## Shared WVD Pool

Host Pool

Edit

Delete

Overview

Session Hosts

App Groups

Active Users

### App Groups

Filter By

Q Keyword

Refresh

+ Add App Group

Name	Friendly Name	Resource	Groups	Users	Remote Apps	Actions
Productivity		RemoteApp		1	2	
Shared WVD Pool-DAG		Desktop		1		

Previous Page 1 of 1 Next

2. Once inside the App Group, click Edit

NetApp Virtual Desktop Service

Home > Workspaces > Azure WVD > WVD > Host Pools > Shared WVD Pool > App Groups > Productivity

## Productivity

App Group

Overview

**Details**

Name	Productivity	Friendly Name	None
Type	RemoteApp	Site Name	Site 1
Site Location	westus2	Host Pool	Shared WVD Pool

**Users**

Filter By

Q Keyword

Username

Bob.Smith@VDSazuredemo.onmicrosoft.com

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**Applications**

Filter By

Q Keyword

Name

Microsoft Edge

Notepad

**Groups**

Filter By

Q Keyword

Name

No rows found

Edit Delete

3. Scroll down to the "Remote Apps" section. This section may take a moment to populate as VDS is directly querying the session hosts to show available apps for streaming.

**Remote Apps**

2 item(s) selected

Show

Clear

Filter By

Keyword

☐

Name

Character Map

Defragment and Optimize Drives

Disk Cleanup

Google Chrome

iSCSI Initiator

Math Input Panel

☒

Microsoft Edge

☒

Notepad

ODBC Data Sources (32-bit)

ODBC Data Sources (64-bit)

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Next

Cancel

Save

4. Search and select any apps that the users in this app groups should have access to as a RemoteApp resource.

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