|| Parallels[®]

Unified Azure Virtual Desktop (AVD) Integration: Configuration

- Parallels Remote Application Server 18.3
- Parallels Remote Application Server 19.1

From Parallels RAS you may configure, scale and use Azure Virtual Desktop environment.

There are some prerequisites for Azure Virtual Desktop integration with Parallels RAS: <u>Unified Azure Virtual</u> <u>Desktop Integration: Prerequisites.</u>

Enable Azure Virtual Desktop Management:

- RAS Console-> Farm-> Settings-> Features tab:
 - ◆ Check 'Enable Azure Virtual Desktop management';
 - ♦ Download Agent and bootloader;

🎭 Parallels Remote Application Server Console						
File View Language	Tools Help					
Location: RAS -						
	Farm - RAS	Auditing Global logging URL redire	ction Notifications Client settings Features Application packages			
Start	RD Session Hosts	FSLogix				
		O Install manually				
Farm		 Install online 	Supported version (v2105_HF_01)			
		URL:	https://download.microsoft.com/download/3/f/7/3f755dbd-debe-46d4-811c-3e7c87bc4408/FSLc			
Sessions	Secure Gateways	O Install from a network share				
	Enrollment Servers	O Push from Connection Broker	No file uploaded yet			
Load Balancing	Themes		Settings are replicated to all Sites.			
8 - 8 - 9 -	Certificates	Azure Virtual Desktop				
Publishing		Azure Virtual Desktop is a desktop	and application virtualization service running on Microsoft Azure.			
a		Enable Azure Virtual Desktop m	hanagement			
Quick Keypad		Client feature set: Standard				
-						
Universal Printing						

- Select Client feature set method:
 - **Standard**: Standard feature set. This is identical to opening and running a published resource using Azure Virtual Desktop client;
 - ♦ Advanced: This option also uses Azure Virtual Desktop client but adds advanced Parallels RAS client features, such as RAS Universal Printing and Scanning, URL redirection, drag and drop, and others;
 - ♦ Advanced with fallback: This option first tries to open a published resource using the Advanced feature set. If Advanced doesn't work for any reason, it will try to open the resource using the Standard option;

Azure Virtual Des	ktop	
Azure Virtual Deskto	op is a desktop and application	virtualization service running on Microsoft Azure.
Enable Azure Vir	tual Desktop management	
Client feature set:	Standard	×
	Standard	
	Advanced Advanced with fallback	

Azure Virtual Desktop Configuration.

1. Add Azure Virtual Desktop Provider:

- Go to **Providers** tab in RAS Console->Farm-> Azure Virtual Desktop. Add new provider using '+' button and specify the following data: Tenant ID, Subscription ID, the created above Application ID and the secret key;
- In the same frame click **Credentials** button: this credentials should be used to push RAS Agents to the Azure Virtual Desktop Hosts that would be created afterwards;

Add Azure Virtual Desktop Provider ? X				
Parallels"				
Type: Azure Virtual Desktop Name: Image: Im				
Description:				
Manage credentials used to deploy RAS agents and manage hosts: Manage Credentials				
Microsoft Azure Connectivity				
Authentication URL https://login.microsoftonline.com Management URL https://management.azure.com Resource URI https://management.core.windows.net				
Microsoft Azure Subscription				
Tenant ID:				
Subscription ID:				
Service Principal				
Application ID:				
Application key:				
Ensure that the Microsoft Azure app registration <u>prerequisites</u> are met.				
< Back Next > Cancel Help				

2. Create a workspace or pick up an existing one:

- From the wizard you should select Azure Virtual Desktop provider created before or create a new one;
- Select a resource group you've configured permissions for and location.

3. Create an Azure Virtual Desktop host pool:

- From the wizard you should select Azure Virtual Desktop provider created before or create a new one;
- From the wizard you should select Azure Virtual Desktop Workspace created before or create a new one;
- Select a resource group you've configured permissions for and location;

• You need to select Host pool type, Pooled(for multi-session hosts) or Personal:

- **Publishing:** Desktop or Application. Based on Microsoft policies it is not possible to publish Desktops and Applications from the same host pools;
- ◆ For **Pooled Type** you may select load balancing method: Breadth or Depth. Specify the max number of sessions per host;
- Configure whether you'd like to power Azure Virtual Desktop hosts on demand or not.

• You may select **Host pool provisioning** type, Template or Standalone:

- **Standalone** provisioning type:
 - ♦ You need to select one or several machines from the machines that already exist in your Azure tenant/Subscription/Resource group;
 - ♦ It is recommended to add machines with the same OS type and the same set of applications;
 - \diamond The machines should be added to AD;
 - ◊ You may add more VMs later after the Host Pool is created from Hosts tab.
- **Template** provisioning type:

- ◊ you should select a Template created before or create a new one;
- ◊ you may enable auto-scale: this means that in certain conditions a new Host could be created automatically;
- ◊ you may specify the initial number of hosts to be added to the host pool once the wizard is finished;
- Specify VM size different from the one specified in the Template: Overwrite the size specified in template properties;
- Note:
- \cdot Option is not available in host pool properties if Template has Availability set = ON?
- · VM reboot is highly likely.?
- VM might be deallocated and started again if new VM size is not supported on hardware cluster where VM resides.?
- Assign Users to the Host Pool. The specified Active Directory users or groups should be mapped to the corresponding Azure Active Directory objects;

• You may configure FSLogix to store user profiles: FSLogix Profile Containers Integration.

4. You may create a **Template** from the same wizard as a Host Pool or manually from Templates tab. These are the main parameters you need to configure:

- From the wizard you should select Azure Virtual Desktop provider created before or create a new one;
- You need to select **Template** type:

- Multy-session: Multiple concurrent user sessions are allowed on a single RD Session Host running Windows Server OS or Windows 10 Enterprise multy-session;
- Single-session: a single user session is allowed on a single session host.
- You need to select **Template** source:
 - Custom host: a machine that already exist in your Azure tenant/Subscription/Resource group;

• Azure Gallery: a set of golden images;

Note: the **Location** must match the location of the **Virtual Network** the VMs will be connected later to. Otherwise, you will not be able to select the **Virtual Network** on the next step.

- Specify: resource group, machine size, OS disk type, Virtual network and subnet;
- Enable optimization: <u>Automated Image Optimizations.</u>

5. Publish a Desktop or an Application from an appropriate Host Pool.

Note, based on Microsoft policies it is not possible to publish Desktops and Applications from the same Host Pools.

Client side

To launch an application client machine the following requirements should be met: <u>Client side minimum requirements for Azure Virtual Desktop</u>.

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