Storage Azure File Shares

This guide demonstrates how to create and use Azure file shares.

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## Pre-Requisites

This section lists the pre-requisites required for this demonstration.

* Azure subscription
* Visual Studio 2013 or 2015
* Ensure you have a created a storage account

## Setup

Estimated time: 5 minutes

## Demo Steps

Estimated time: 5 mins

|  |  |
| --- | --- |
| 1. Navigate to the Azure portal |  |
| 1. Go to a resource group with a storage account provisioned. If it does not exist create one |  |
| 1. Select Files to expose the File Shares blade |  |
| 1. Click on new File Share to create a new share |  |
| 1. Enter a name for the file share. Expain that you can set a quota on the share, similar to an NTFS file share. The File Share can be a maximum of 5 TB. |  |
| 1. Click create |  |
| 1. Select the file share you just created and click on the connect button |  |
| 1. This will expose a new blade with the net use statement to mount the new share |  |
| 1. Copy the net use path to the clipboard and paste it into a new notepad Window |  |
| 1. Navigate to the settings of the storage account to view the access keys |  |
| 1. Copy the access key for the storage account to the clip board and paste it into notepad |  |
| 1. Open Windows Explorer on your local client or in a VM |  |
| 1. Open a command line window |  |
| 1. Edit the net use statement by adding a drive letter that is not in use on your local machine. | net use DRIVE: \\ACCOUNTNAME.file.core.windows.net\SHARENAME/u:ivstorage01 "<<STORAGEKEY>>" |
| 1. Copy and Paste the net use statement into the command line and press enter |  |
| 1. This should mount the new Azure file share to your local machine |  |
| 1. Enter the drive letter: and click enter |  |
| 1. Create a new directory with the MD command |  |
| 1. Navigate to the portal to view the new folder |  |
| 1. In the portal, you can also upload a few files and view them locally |  |
| 1. Point out that in a VM, you can share the storage across VMs. ***~~NOTE: You will not be able to navigate the new file share using Windows Explorer, only the command line and POSH.~~*** File shares are accessible through Windows Explorer. However it may not work from local machines due to network limitations (firewall), ie in all MSFT offices required ports for SMB are blocked. It works well though from VM hosted in Azure. |  |

## Clean Up

To clean up this environment perform the following steps:

1. Delete the storage account you created.
2. Run net use DRIVE: DELETE to remove the mapping