



MINOR PROJECT-3 AZURE CLOUD COMPUTING

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Choosing a Azure Cloud facility to deploy your workload on Virtual Machine.

Steps:

1. Create a Virtual Machine
2. Create a storage account
3. Add disk to Virtual Machine
4. Upload your files through portal
5. View them in VM

Windows10 VM

The screenshot displays the Microsoft Azure portal interface. At the top, there's a browser window with tabs for 'Dashboard - Microsoft' and 'Speedtest by Ookla - The G'. The address bar shows a URL from portal.azure.com. The main header includes the 'Microsoft Azure' logo, a search bar, and user information for 'monishaanila1999@gmail.com'.

The left sidebar contains navigation options: 'Create a resource', 'All services', 'FAVORITES' (Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor), and a list of services.

The central pane shows the 'Win10' virtual machine details. The 'Overview' tab is selected, displaying a search bar and a list of settings: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, SETTINGS (Networking, Disks, Size, Security, Extensions, Continuous delivery (Preview), Availability set, Configuration, Properties), Connect, Start, Restart, Stop, Capture, Move, Delete, and Refresh.

The 'Overview' section lists the following details:

- Resource group: LabRG
- Status: Running
- Location: South India
- Subscription: Free Trial
- Subscription ID: d0dd1006-f299-4b20-b784-830ed13f3d1a
- Computer name: Win10
- Operating system: Windows
- Size: Standard B2s (2 vcpus, 4 GB memory)
- Public IP address: 104.211.224.249
- Virtual network/subnet: LabRG-vnet/default
- DNS name: Configure

Below the details, there are two charts showing performance metrics over the last 1 hour:

- CPU (average):** A line chart showing CPU usage percentage. The y-axis ranges from 0% to 100%. The x-axis shows time from 04:30 Pithana to 05:05 Pithana. The usage is mostly low, with a small peak around 04:45 Pithana.
- Network (total):** A line chart showing network usage in MB. The y-axis ranges from 0MB to 60MB. The x-axis shows time from 04:30 Pithana to 05:05 Pithana. There are two distinct peaks: one around 04:40 Pithana reaching approximately 50MB, and another around 04:50 Pithana reaching approximately 20MB.

The bottom of the screen shows the Windows taskbar with the Start button, a search bar, and several pinned application icons. The system tray on the right shows the date and time as '05:27 Pithana 15.6.18'.

Storage account in portal

The screenshot displays the Microsoft Azure portal interface. The browser address bar shows the URL: <https://portal.azure.com/#@monishaanila1999gmail.onmicrosoft.com/resource/subscriptions/d0dd1006-f299-4b20-b784-830ed13>. The user is logged in as 'monishaanila1999@gmail.com'.

The main content area shows the 'mystorage9499' storage account overview. The left sidebar contains navigation options: 'Create a resource', 'All services', 'FAVORITES' (Dashboard, All resources, Resource groups, App Services, Function Apps, SQL databases, Azure Cosmos DB, Virtual machines, Load balancers, Storage accounts, Virtual networks, Azure Active Directory, Monitor), and 'SETTINGS' (Access keys, Configuration, Encryption, Shared access signature, Firewalls and virtual networks, Properties, Locks, Automation script).

The 'Overview' tab is selected, displaying the following details:

- Resource group: LabRG
- Status: Primary: Available, Secondary: Available
- Location: South India, Central India
- Subscription: Free Trial
- Subscription ID: d0dd1006-f299-4b20-b784-830ed13f3d1a
- Tags: Click here to add tags

Performance and Replication details:

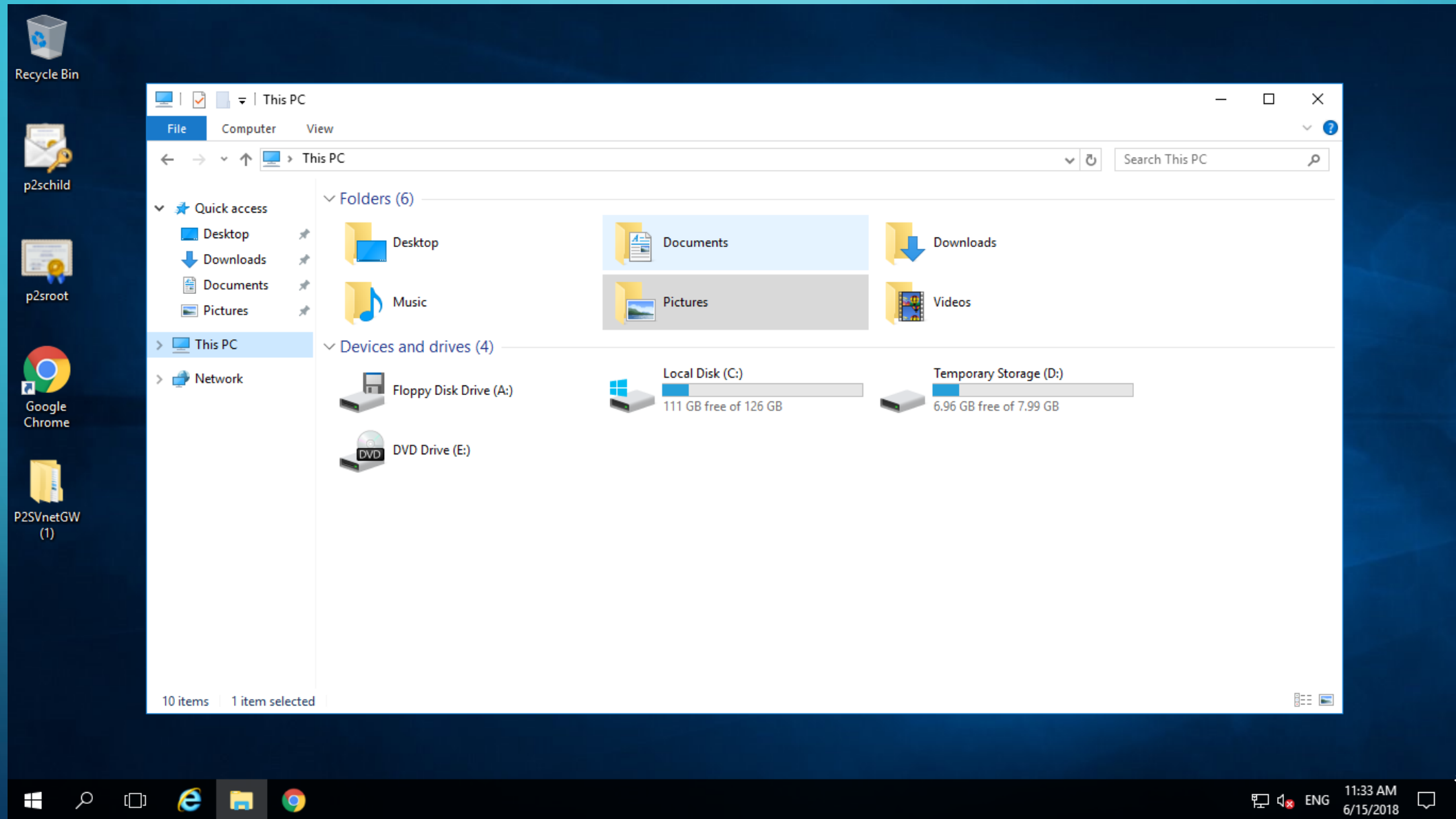
- Performance: Standard
- Replication: Geo-redundant storage (GRS)
- Account kind: Storage (general purpose v1)

The 'Services' section lists four options:

- Blobs**: REST-based object storage for unstructured data. Links: Configure CORS rules, Setup custom domain, View metrics.
- Files**: File shares that use the standard SMB 3.0 protocol. Links: Configure CORS rules, View metrics.
- Tables**: Tabular data storage. Links: Configure CORS rules, View metrics.
- Queues**: Effectively scale apps according to traffic. Links: Configure CORS rules, View metrics.

The Windows taskbar at the bottom shows the search bar 'Type here to search', system tray icons, and the taskbar itself with icons for File Explorer, Edge, and a video player. The system clock shows '05:28 Pithana 15.6.18'.

Windows 10 VM before addition of disk



Addition of Disk through disk manager

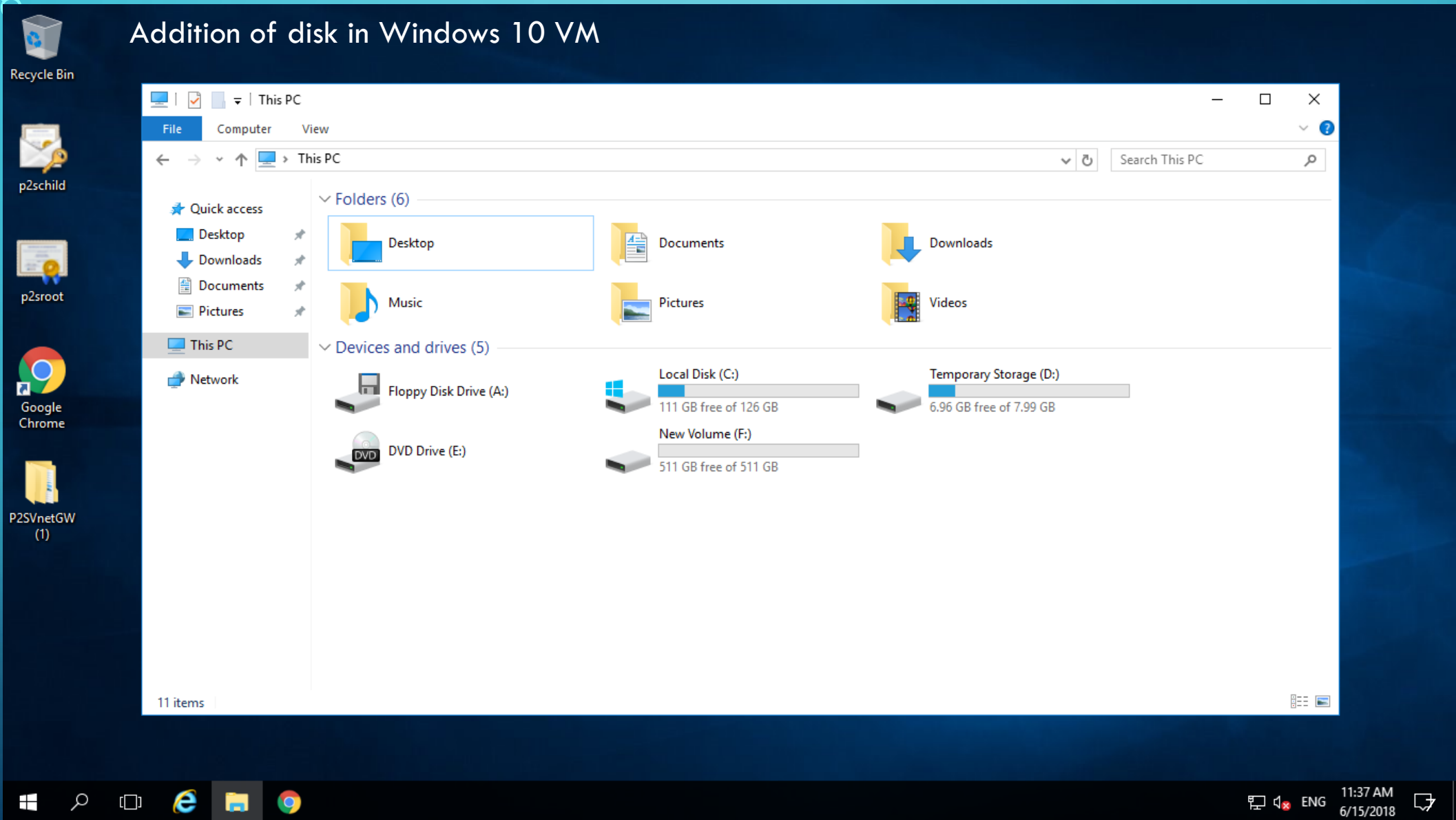
The screenshot shows the Windows Disk Management console. The top pane displays a list of volumes, and the bottom pane shows the graphical representation of the disks and their partitions.

Volume	Layout	Type	File System	Status	Capacity	Free Space	% Free
(C:)	Simple	Basic	NTFS	Healthy (S...)	127.00 GB	111.04 GB	87 %
New Volume (F:)	Simple	Basic	NTFS	Healthy (P...)	512.00 GB	511.84 GB	100 %
Temporary Storage...	Simple	Basic	NTFS	Healthy (P...)	8.00 GB	6.96 GB	87 %

Disk	Layout	Type	File System	Status	Capacity	Free Space	% Free
Disk 1	Simple	Basic	NTFS	Healthy (S...)	8.00 GB	6.96 GB	87 %
Disk 2	Simple	Basic	NTFS	Healthy (P...)	512.00 GB	511.84 GB	100 %

Legend: ■ Unallocated ■ Primary partition

Addition of disk in Windows 10 VM



Agnee.jpg upload in portal

The screenshot shows the Microsoft Azure portal interface. The browser address bar displays the URL: <https://portal.azure.com/#@monishaanila1999gmail.onmicrosoft.com/resource/subscriptions/d0dd1006-f299-4b20-b784-830ed13>. The user is logged in as monishaanila1999@gmail.com.

The main content area shows the 'newfile' file share. The 'Upload' button is highlighted. A file named 'Agnee.jpg' is listed in the file share, with a type of 'File'.

The 'Upload files' dialog is open, showing the 'newfile' file share. The 'Files' section has a search bar and a list of files. The 'Current uploads' section shows the upload progress for 'Agnee.jpg', which is 519 KiB / 519 KiB.

The left sidebar contains the following navigation items:

- Create a resource
- All services
- FAVORITES
- Dashboard
- All resources
- Resource groups
- App Services
- Function Apps
- SQL databases
- Azure Cosmos DB
- Virtual machines
- Load balancers
- Storage accounts
- Virtual networks
- Azure Active Directory
- Monitor

The bottom taskbar shows the Windows Start button, a search bar, and several application icons. The system tray on the right shows the time as 05:24, the date as Pithana 15.6.18, and the language as ENG.

Agnee.jpg view in Windows 10 VM

