



AZURE STORAGE EXPLORER

Azure Storage Explorer is a free, standalone application provided by Microsoft for managing Azure Storage accounts. It serves as a graphical user interface (GUI) tool that allows users to interact with their Azure Storage resources without writing any code.

Here are some key features of Azure Storage Explorer:

1. **Cross-Platform Support:** Azure Storage Explorer is available for Windows, macOS, and Linux, making it accessible across different operating systems.
2. **Manage Storage Accounts:** Users can easily view and manage their Azure Storage accounts, including Blob, File, Queue, and Table storage services, as well as Azure Data Lake Storage.
3. **Upload and Download Data:** Users can upload, download, and manage files and blobs within Azure Storage containers directly from the application, simplifying the process of transferring data to and from the cloud.
4. **Browse Containers and Files:** Users can browse the contents of their storage containers and folders, view metadata, and perform operations such as renaming, deleting, and copying files.
5. **Manage Blob Snapshots and Versions:** Azure Storage Explorer allows users to manage blob snapshots and versioning, enabling them to create, view, restore, and delete snapshots and versions of blobs.
6. **Manage Storage Queues and Tables:** Users can view and manage messages in Azure Storage queues and entities in Azure Table Storage, including creating, editing, and deleting queue messages and table entities.
7. **Authorization and Security:** Azure Storage Explorer supports various authentication methods, including Azure Active Directory (Azure AD) and Shared Access Signature (SAS) tokens, ensuring secure access to Azure Storage resources.
8. **Integration with Azure Services:** Azure Storage Explorer integrates with other Azure services and tools, such as Azure Cosmos DB, Azure Functions, and Azure Data Factory, enabling seamless data workflows and interactions.



Use cases of Azure Storage Explorer:

Azure Storage Explorer serves various use cases for managing Azure Storage resources effectively. Here are some common scenarios where Azure Storage Explorer can be particularly useful:

1. **Storage Account Management:** Administrators can use Azure Storage Explorer to manage multiple Azure Storage accounts from a single interface. They can view account details, monitor usage, and adjust configurations such as replication options and access controls.
2. **Blob and File Management:** Users can upload, download, and manage blobs and files stored in Azure Blob Storage and Azure File Storage. This includes organizing files into folders, setting access permissions, and performing bulk operations such as copying or moving files.
3. **Queue and Table Management:** Developers can use Azure Storage Explorer to manage Azure Storage queues and tables. They can view and manage messages in queues, create, edit, or delete queue messages, and manage entities in Azure Table Storage, such as inserting, updating, or querying table data.
4. **Data Migration and Transfer:** Users can use Azure Storage Explorer to transfer data between on-premises systems and Azure Storage accounts or between different Azure Storage accounts. They can easily copy files, blobs, queues, or tables, simplifying data migration and synchronization tasks.
5. **Development and Testing:** Developers can use Azure Storage Explorer as a tool for development and testing purposes. They can quickly upload test data, debug storage-related issues, and interact with Azure Storage resources without writing custom code.
6. **Content Management:** Content managers and website administrators can use Azure Storage Explorer to manage static website content hosted in Azure Blob Storage. They can upload, delete, or modify web assets such as HTML files, images, CSS, and JavaScript files, and configure blob properties for web hosting.
7. **Monitoring and Troubleshooting:** Users can use Azure Storage Explorer to monitor storage account metrics, analyze logs, and troubleshoot issues related to storage performance, availability, or access. They can view storage analytics data and diagnostic logs to identify and resolve issues proactively.
8. **Integration with Other Azure Services:** Azure Storage Explorer integrates seamlessly with other Azure services and tools, such as Azure Cosmos DB, Azure Functions, Azure Data Factory, and Azure Logic Apps. Users can leverage these integrations to build end-to-end data workflows and automate storage-related tasks.



What are we doing in this lab?

The steps below outline the process of setting up and using Azure Storage Explorer to manage Azure Storage resources. Azure Storage Explorer is a free, standalone application that offers a graphical user interface (GUI) for interacting with Azure Storage without writing any code. Here's a summary of the process and its goals:

1. **Download and Install Azure Storage Explorer:**

- Download the application from the provided link.
 - Open the downloaded setup file and follow the installation steps, accepting the agreement and choosing the installation path.
2. **Sign in to Your Azure Account:**
- Launch Azure Storage Explorer and sign in with your Azure account credentials.
 - Select the Azure environment and complete the authentication process through the Azure Portal.
3. **Access Azure Storage Services:**
- After signing in, you can explore and manage your Azure Storage resources.
 - Use the explorer interface to view, upload, download, and manage files, blobs, queues, tables, and other storage services.

End Goal

The main objective of this process is to get you set up with Azure Storage Explorer, allowing you to efficiently manage your Azure Storage resources through a user-friendly desktop application. This includes performing essential tasks such as uploading and downloading data, organizing storage containers, and integrating with other Azure services, all without needing to write any code.

To begin with the Lab:

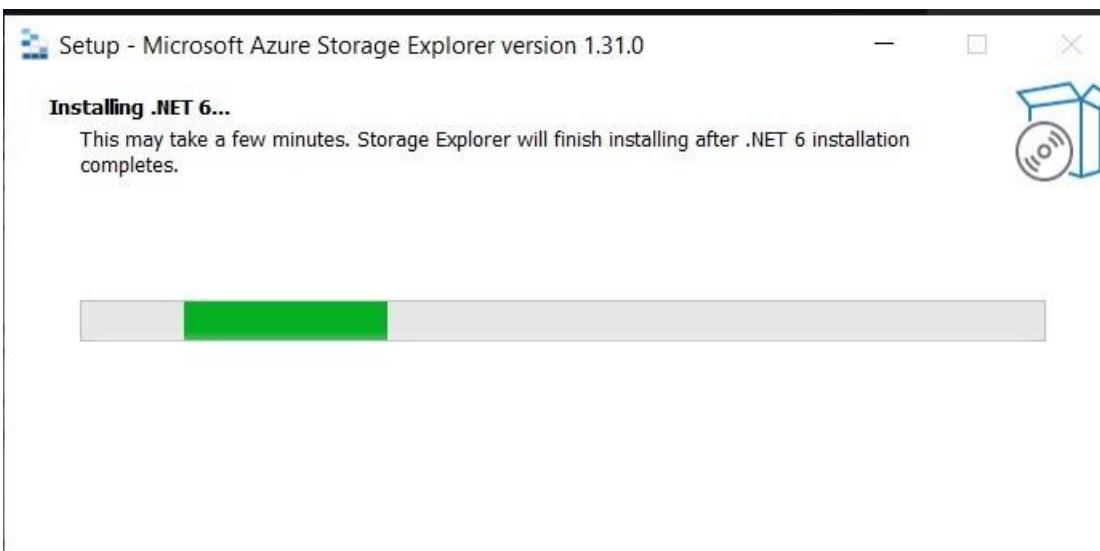
 **Step 1:** Click the “Download Azure Storage Explorer” link below to download the Microsoft Azure Storage Explorer tool.

<https://azure.microsoft.com/en-in/products/storage/storage-explorer>

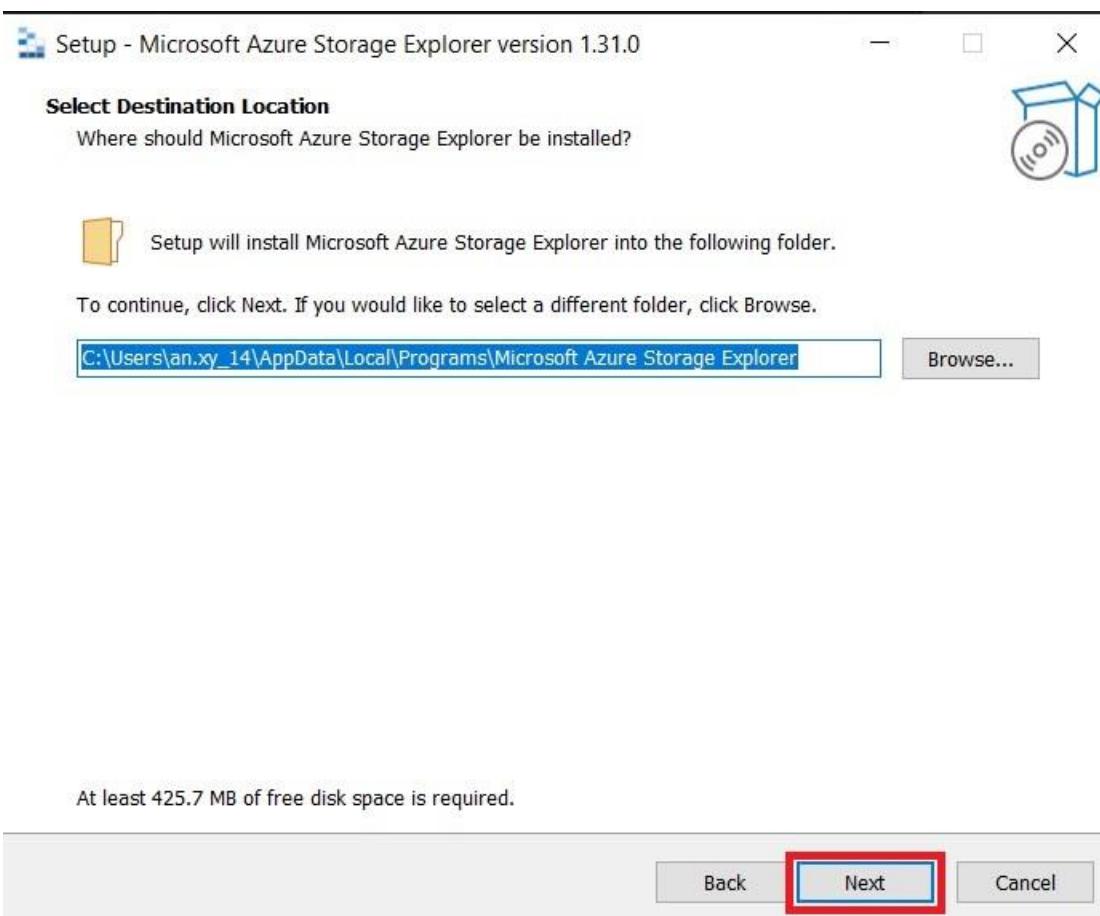
- Select the Operating System to download the Azure Storage Explorer Setup. Open the downloaded .exe file.

The screenshot shows the Azure Storage Explorer landing page. At the top, there's a navigation bar with links like 'Explore', 'Products', 'Solutions', 'Pricing', 'Partners', and 'Resources'. Below the navigation is a search bar and a green 'Free account' button. The main heading is 'Azure Storage Explorer' with the subtext 'Free tool to conveniently manage your Azure cloud storage resources from your desktop.' Two buttons are present: 'Try Azure for free' (green) and 'Create a pay-as-you-go account' (white). Below this, there's a section titled 'Manage your cloud storage on Azure' with a sub-section 'Upload, download, and manage Storage entities and Azure rules.' A dropdown menu labeled 'Operating system' is open, showing options: Windows (highlighted with a red box), macOS, Linux-snapstore, and Linux-.tar.

The screenshot shows the 'Setup - Microsoft Azure Storage Explorer version 1.31.0' window. It features a 'License Agreement' section with the sub-section 'MICROSOFT SOFTWARE LICENSE TERMS' and 'MICROSOFT AZURE STORAGE EXPLORER'. The text explains the terms of the agreement. Below this is a bold section 'IF YOU COMPLY WITH THESE LICENSE TERMS, YOU HAVE THE RIGHTS BELOW.' followed by a numbered list '1. INSTALLATION AND USE RIGHTS.'. Under this list, there are two radio buttons: one selected with the text 'I accept the agreement' and another unselected with 'I do not accept the agreement'. At the bottom right are 'Install' and 'Cancel' buttons, with the 'Install' button highlighted with a red box.



👉 Step 3: Choose the Path where you have to install. & click on Next.



- Click on "Finish" to complete your installation.



Completing the Microsoft Azure Storage Explorer Setup Wizard



Setup has finished installing Microsoft Azure Storage Explorer on your computer. The application may be launched by selecting the installed shortcuts.

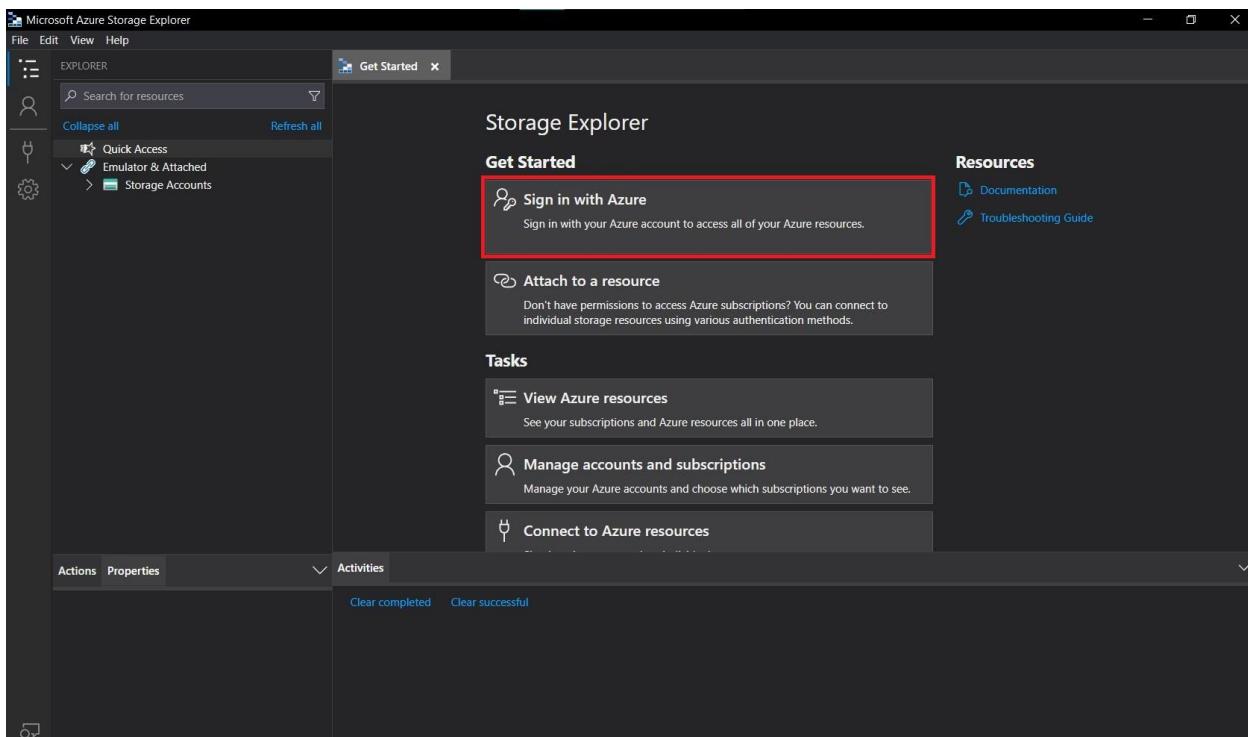
Click Finish to exit Setup.

Launch Microsoft Azure Storage Explorer

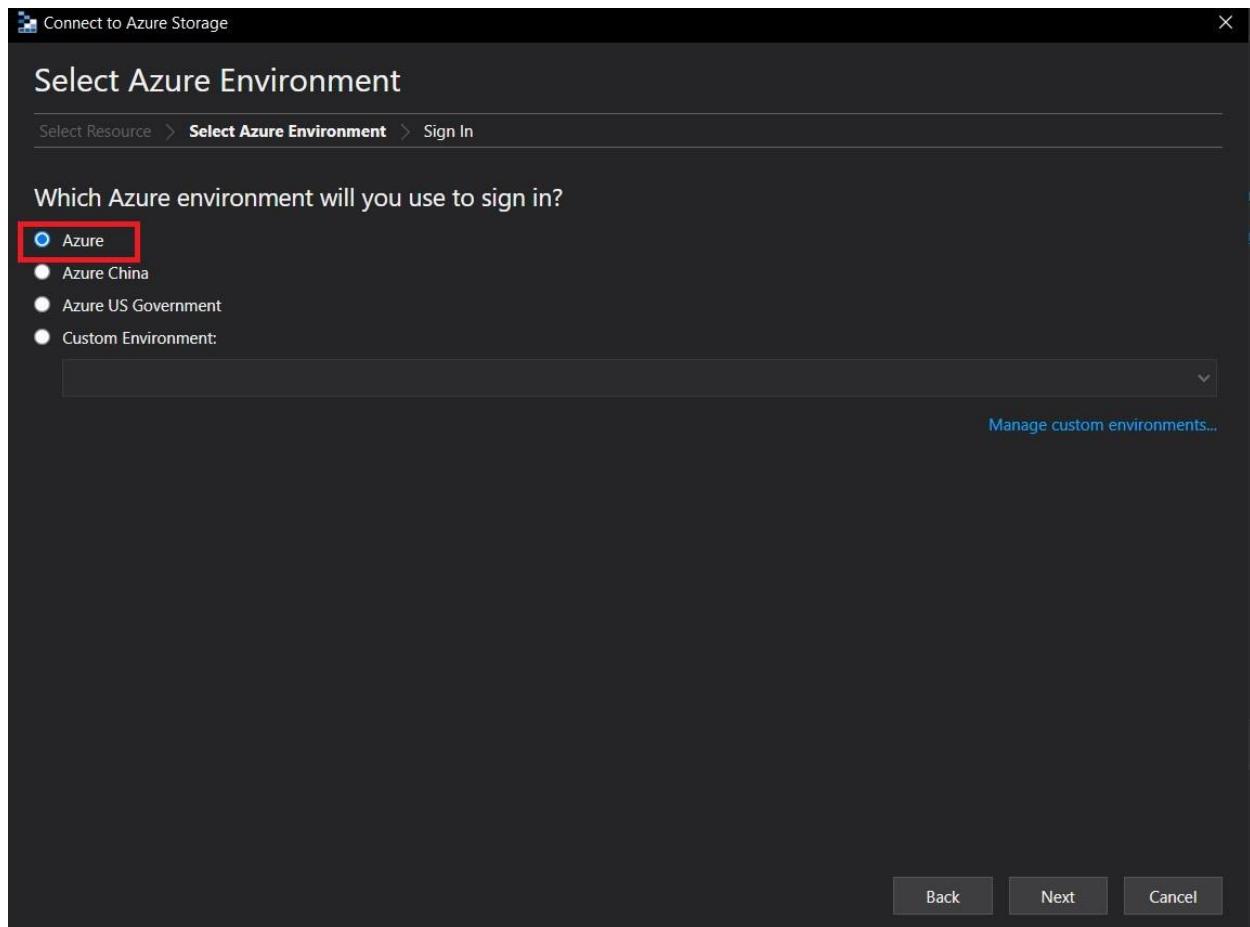
Finish



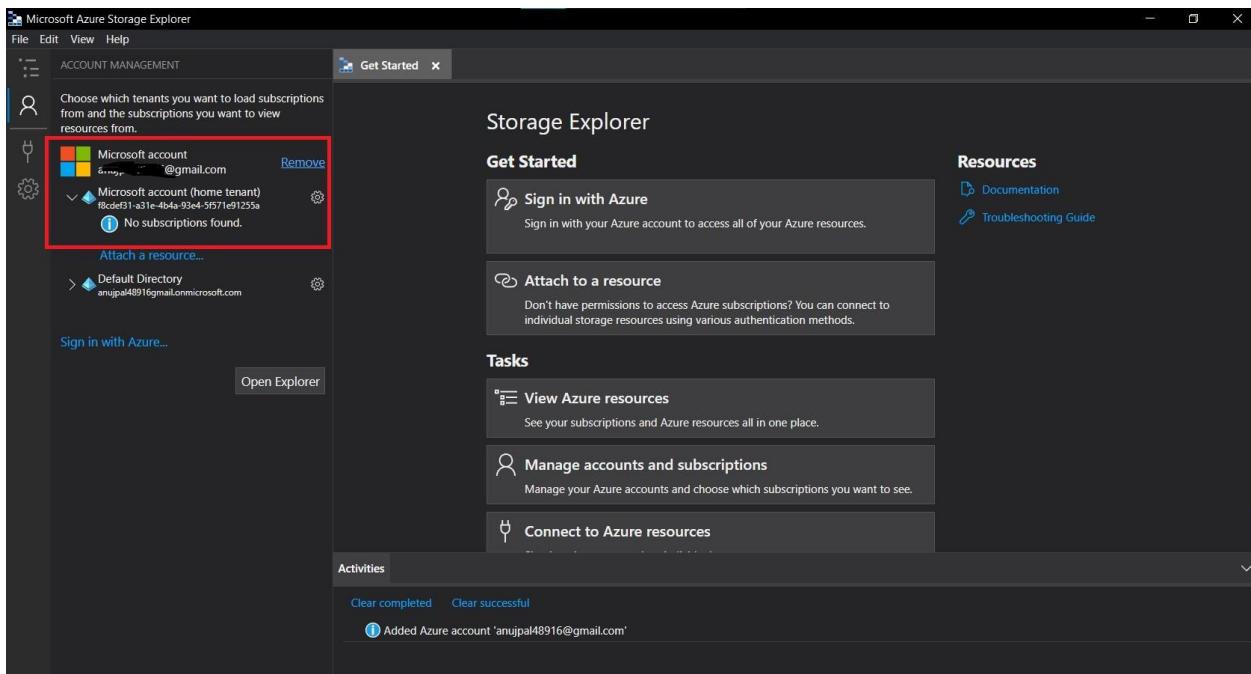
Step 4: This is the Storage Explorer Default page. Sign in your Azure Account.



👉 Step 5: Select Azure Environment & Click on Next. You will be Redirected to the Sign Page of the Azure Portal for the Authentication.



👉 Step 6: After Successful Authentication, You can see you have been Signed-in with your Azure Account.



Click on Open Explorer or view Azure resources to View the Storage services.

It's a free tool to conveniently manage your Azure cloud storage resources from your desktop.