



# Azure SFTP Step-By-Step

## Executive Summary

This document describes the steps required to create an Azure SFTP.

## Application(s) Needed

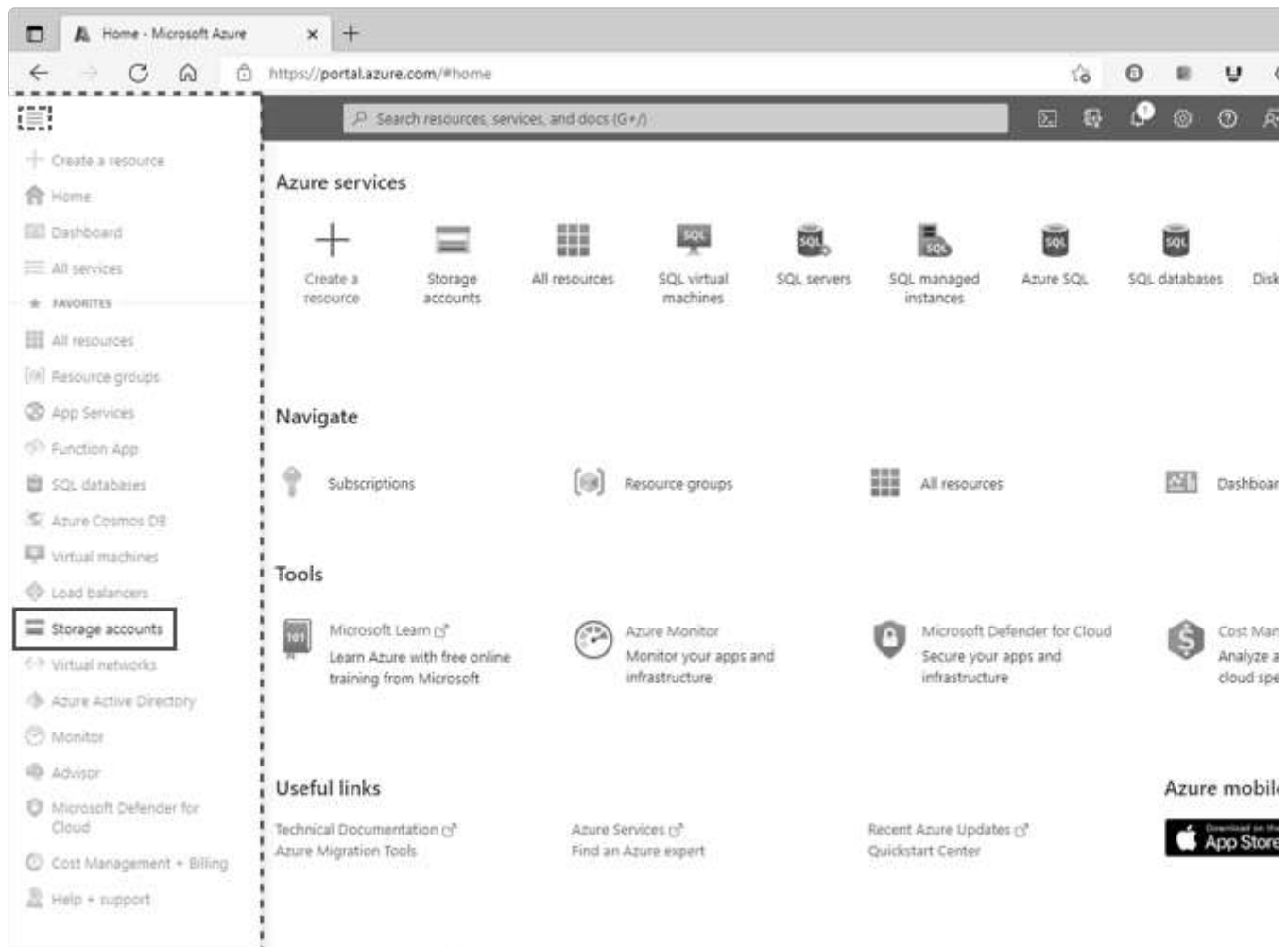
Application Name	Application Description
Azure Portal	Web-based console that allows users to manage their Microsoft Azure cloud resources

## Step-By-Step Process

### Azure

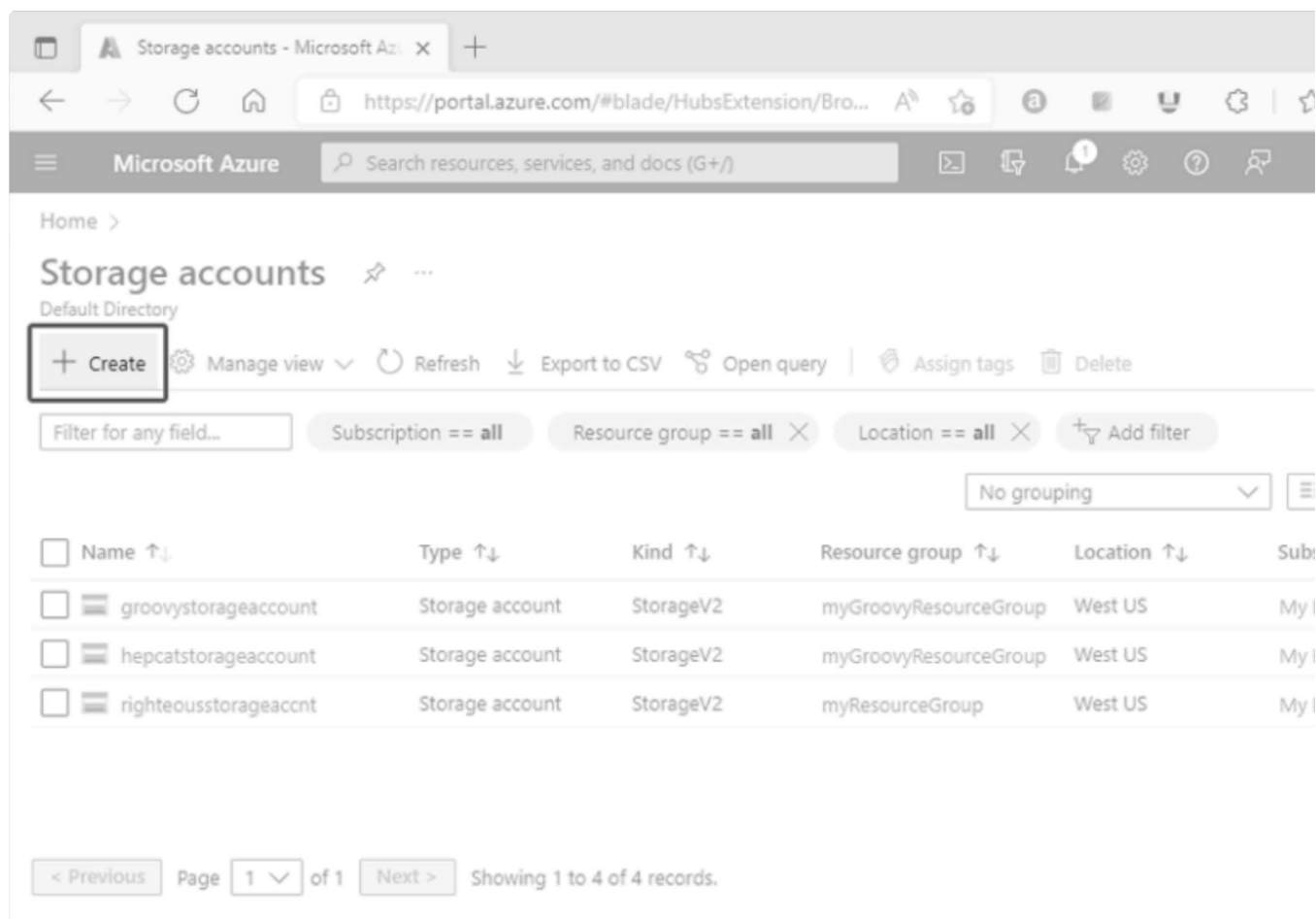
Step 1: Login to Azure Portal

Step 2: Navigate to **Storage accounts** via the left hand portal menu



Step 2 Screenshot

### Step 3: Click Create



Home > Storage accounts

Default Directory

**+ Create** Manage view Refresh Export to CSV Open query Assign tags Delete

Filter for any field... Subscription == all Resource group == all Location == all Add filter

No grouping

<input type="checkbox"/>	Name ↑↓	Type ↑↓	Kind ↑↓	Resource group ↑↓	Location ↑↓	Subs...
<input type="checkbox"/>	groovystorageaccount	Storage account	StorageV2	myGroovyResourceGroup	West US	My I
<input type="checkbox"/>	hepcatstorageaccount	Storage account	StorageV2	myGroovyResourceGroup	West US	My I
<input type="checkbox"/>	righteousstorageacct	Storage account	StorageV2	myResourceGroup	West US	My I

< Previous Page 1 of 1 Next > Showing 1 to 4 of 4 records.

Step 3 Screenshot

**Step 4:** Fill out the fields with relevant storage account information on the **Basics** tab, as shown

- **Storage account name** should reflect purpose of storage account, and not match this picture exactly.

The screenshot shows the 'Create a storage account' page in the Microsoft Azure portal, specifically the 'Basics' tab. The page has a dark theme. At the top, there's a search bar and a breadcrumb trail: 'Home > Storage accounts >'. Below the title 'Create a storage account', there are tabs for 'Basics', 'Advanced', 'Networking', 'Data protection', 'Encryption', 'Tags', and 'Review + create'. A descriptive paragraph about Azure Storage is present. The 'Project details' section asks to select a subscription and resource group. The 'Instance details' section contains fields for 'Storage account name', 'Region', 'Primary service', 'Performance', and 'Redundancy'. The 'Storage account name' field is filled with 'kkfolosftp'. The 'Region' is set to '(US) East US'. The 'Performance' section has two radio buttons: 'Standard' (selected) and 'Premium'. The 'Redundancy' is set to 'Geo-redundant storage (GRS)', and a checkbox for 'Make read access to data available in the event of regional unavailability' is checked.

Microsoft Azure

Home > Storage accounts >

## Create a storage account

Basics Advanced Networking Data protection Encryption Tags Review + create

Azure Storage is a Microsoft-managed service providing cloud storage that is highly available, secure, durable, scalable, and redundant. Azure Storage includes Azure Blobs (objects), Azure Data Lake Storage Gen2, Azure Files, Azure Queues, and Azure Tables. The cost of your storage account depends on the usage and the options you choose below. [Learn more about Azure storage accounts](#)

**Project details**

Select the subscription in which to create the new storage account. Choose a new or existing resource group to organize and manage your storage account together with other resources.

Subscription \* Azure subscription 1

Resource group \* kkc-data

Create new

**Instance details**

Storage account name \* ① kkfolosftp

Region \* ① (US) East US

Deploy to an Azure Extended Zone

Primary service ① Select a primary service

Performance \* ①

☒ Standard: Recommended for most scenarios (general-purpose v2 account)

☐ Premium: Recommended for scenarios that require low latency.

Redundancy \* ① Geo-redundant storage (GRS)

☒ Make read access to data available in the event of regional unavailability.

Step 4 Screenshot

**Step 5:** Fill out the fields with relevant storage account information on the **Advanced** tab, as shown

## Create a storage account

Basics **Advanced** Networking Data protection Encryption Tags Review + create

### Security

Configure security settings that impact your storage account.

Require secure transfer for REST API operations ⓘ ☒

Allow enabling anonymous access on individual containers ⓘ ☐

Enable storage account key access ⓘ ☒

Default to Microsoft Entra authorization in the Azure portal ⓘ ☐

Minimum TLS version ⓘ 

Version 1.2

Permitted scope for copy operations (preview) ⓘ 

From any storage account

### Hierarchical Namespace

Hierarchical namespace, complemented by Data Lake Storage Gen2 endpoint, enables file and directory semantics, accelerates big data analytics workloads, and enables access control lists (ACLs) [Learn more](#)

Enable hierarchical namespace ⓘ ☒

### Access protocols

Blob and Data Lake Gen2 endpoints are provisioned by default [Learn more](#)

Enable SFTP ⓘ ☒

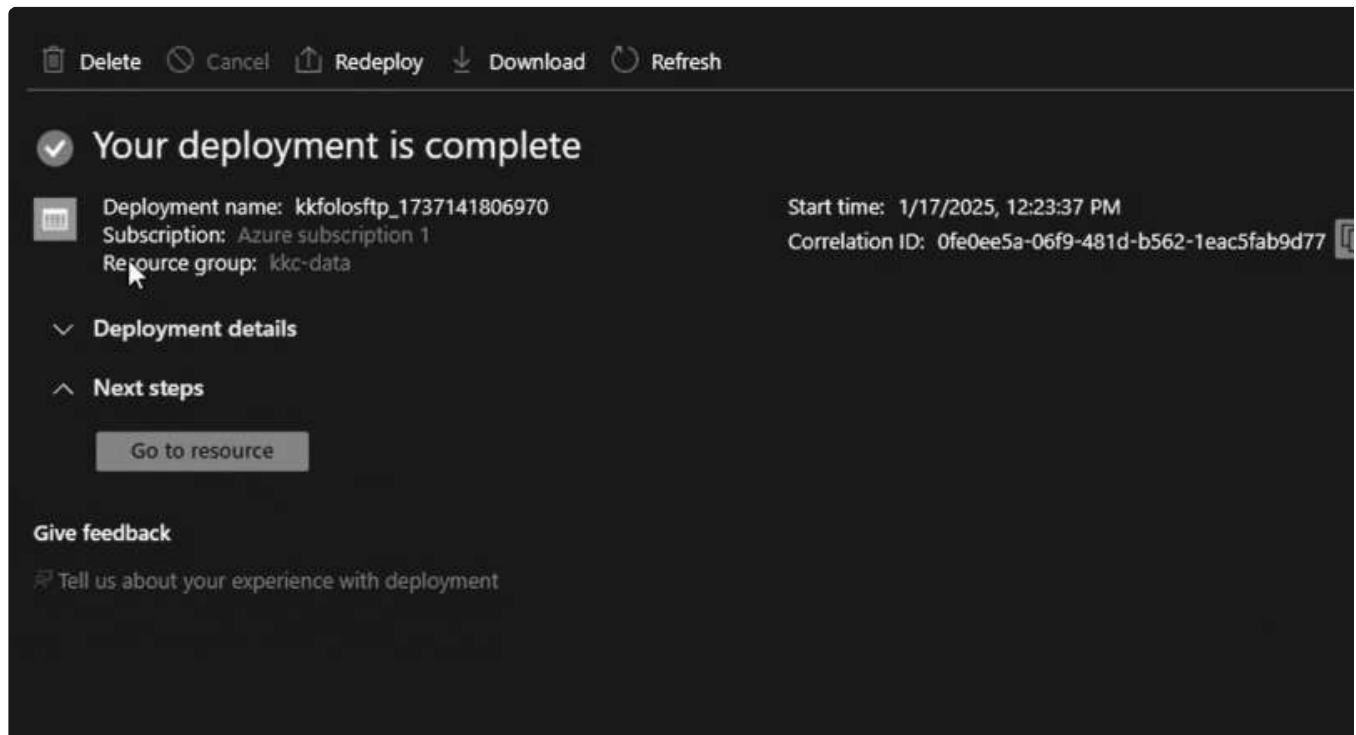
**i** Local users feature will be enabled with SFTP. Create local user identities to access the SFTP endpoint after storage account is created.

Step 5 Screenshot

NOTE: The fields on the remaining tabs aren't necessary to fill out; however, for more information on what can be done for storage account creation on those tabs, you can read through the [Azure documentation](#)

**Step 6:** Navigate to Review and Create Tab, and click **Create**

**Step 7:** Deployment will then initiate. Deployment of the storage account will "in progress" until you see the following screen:



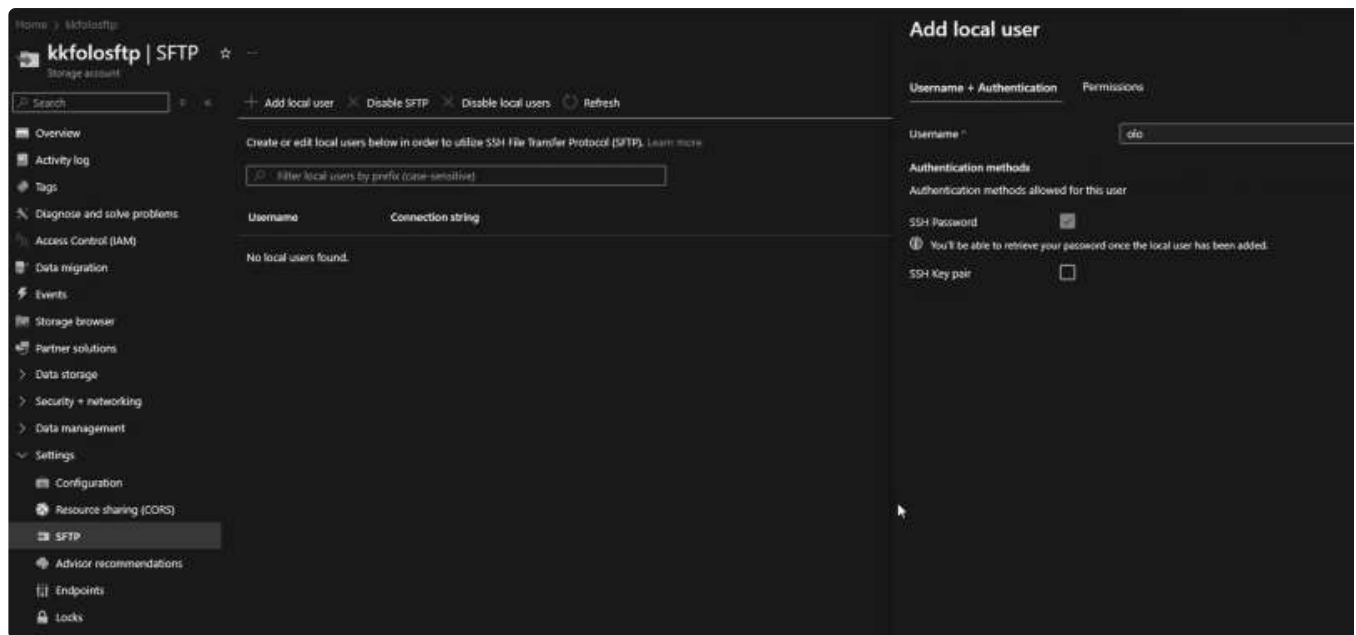
Step 7 Screenshot

**Step 8:** Click **Go to resource**.

**Step 9:** Once on the resource page, navigate to **Settings > SFTP** in the left hand portal menu.

**Step 10:** Click **Enable SFTP**.

**Step 11:** Click **+ Add a local user**.



Step 10 Screenshot

**Step 12:** Assign a Username and check the **SSH Password** checkbox.

**Step 13:** Click on the **Permissions** tab. On the **Containers** line, click **Create New**. Fill out necessary fields (avoid using spaces in naming conventions; dashes are recommended)

The screenshot shows the 'Add local user' dialog box with the 'Permissions' tab selected. The 'Container permissions' section is active, showing a table with columns 'Container name' and 'Permissions'. Below the table, it says 'No containers selected'. To the right, a 'New container' modal is open, showing the 'Name' field with 'daily-reports' entered, and the 'Anonymous access level' set to 'Private (no anonymous access)'. A warning message is displayed: 'Anonymous access to this container is blocked because anonymous access is disabled on this storage account'. The 'Ok' button is visible at the bottom right of the modal.

**Add local user**

Username + Authentication   **Permissions**

**Container permissions**

Specify container access and permissions

Containers

Create new

Container name	Permissions
No containers selected	

**ACLs**

Group Id

Allow ACL authorization ☐

Home (landing) directory ⓘ

**New container**

Name

daily-reports

Anonymous access level ⓘ

Private (no anonymous access)

ⓘ Anonymous access to this container is blocked because anonymous access is disabled on this storage account.

Ok

Step 11 Screenshot



**Step 14:** Be sure to save your **SSH Password**; it will generate once you add a local user. You won't be able to access it again in the future.

**Step 15:** Distribute the username and SSH password to relevant users so they may access the SFTP for file transfer.



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