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How do I Create an Azure Storage Account?

Kacper Dylewski - 2023-11-30 - Comments (0) - Lasernet FO Connector FAQs

Lasernet for Dynamics 365 What is an Azure Storage Account?

Storage in Azure is used to group data objects together. For example, all the data is linked to a Finance and Operations (FO) instance, or the working storage for an integration.

The description given by Microsoft is: "An Azure Storage Account contains all of your Azure Storage data objects, including blobs, file shares, queues, tables, and disks. The Storage Account provides a unique namespace for your Azure Storage data that's accessible from anywhere in the world over HTTP or HTTPS. Data in your storage account is durable and highly available, secure, and massively scalable."

For more technical information see the <u>Microsoft documentation</u>.

The creation and configuration of the Azure Storage requires the user to create new resources in Azure. If you are unsure of how to work within Azure, then contact your system administrator.

Where do we use a Storage Account?

An example of where the Lasernet Solution for Dynamics requires working storage is when sending messages between FO and Lasernet The easiest and quickest way to set this up is to use the storage which comes natively with FO.

| | Financ | ce and Operations | | \mathcal{P} Search for a page |
|--------|--------|--|---|---------------------------------|
| ≡ | 居 Sav | re + New 💼 Delete → Validate ▷ Perform operation \ | ✓ Options | |
| ഹ ന | ▼ = | C Filter | Standard view ~ Connections | |
| | | | Identification | |
| | | Connection id Environment id : | Connection id Connection type Azure Storage Storage | Environment id |
| 8:= | | ASB | Storage | |
| | | Azure Storage | Settings | |
| | | CPCASB | Type Instance name | Commence films |
| | | CPCStorage | Type Instance name Dynamics 365 Azure storage Instance name Iasernet | Compress files |

This works well for testing and dev environments but can cause issues when migrating config between environments. This is where a separate Azure Storage Account can be very useful. By swapping the type to "Azure Storage" it is possible to define a fixed storage account and maintain the relationships between our stored documents and our migrated configuration.

| Settings | | | | |
|---|---|---------------------------|--------|-------------------|
| Type Dynamics Azure storage rage V |) | Instance name lasernet | \sim | Compress files No |
| Azure storage Dynamics 365 Azure storag | | | | |
| File system | | | | |
| Database SharePoint | | | | |
| Long term archive | | | | |

How to create an Azure Storage Account?

1. Log on to the <u>Azure Portal</u>.

2. In the services at the top of the page, select **Storage accounts** or use the search bar.

| Azure service | es | | | | | | | | |
|---------------|----------|----------|-------------|----------|---------------|----------|--------------|---------------|--|
| Create a | Storage | Resource | Service Bus | Virtual | App | Firewall | Azure Active | Subscriptions | |
| resource | accounts | groups | | machines | registrations | Manager | Directory | | |

This will take you to a list of the Azure Storage Accounts in your subscriptions.

| Storage accounts & … Formpipe Software AB (formpipe2se.emea.microsoftonline.com) + Create ♡ Restore ֎ Anage view ∨ ◯ Refresh 🞍 Export to CSV 😚 Open query 🦁 Assign tags 🖹 Delete | | | | | |
|--|---|-----------|--|--|--|
| Filter for any field Subscription equals 2 of 3 selected Resource group equals all Showing 1 to 75 of 75 records. | \times Location equals all \times $+_{\nabla}$ Add filter | | | | |
| □ Name ↑↓ | Type ↑↓ | Kind ↑↓ | | | |
| activationstore | Storage account | Storage | | | |
| adeliverybankingla6155 | Storage account | StorageV2 | | | |
| azurestoragetodu | Storage account | StorageV2 | | | |
| cedocumentationaccount | Storage account | StorageV2 | | | |

3. Click **Create**.

| Storage accounts ☆ … Formpipe Software AB (formpipe2se.emea.microsoftonline.com) | |
|---|---|
| 🕂 🕂 🕂 🕂 + Create 🦻 Restore 🚳 Manage view 🗸 🖒 Refresh 🛓 Export to C | CSV 😚 Open query 🛛 🖗 Assign tags 📋 Delete |
| Filter for any field Subscription equals 2 of 3 selected Reso | urce group equals all $	imes$ Location equals all $	imes$ |

The following screen is displayed:

| Home > Storage accounts > | | | | | | |
|---|---|--|--|--|--|--|
| Create a storage account | | | | | | |
| Basics Advanced Netw | orking Data protection Encryption Tags Review | | | | | |
| Project details | | | | | | |
| Select the subscription in which manage your storage account t | to create the new storage account. Choose a new or existing resource group to organize and ogether with other resources. | | | | | |
| Subscription * | Formpipe PRIVATE Dev/Test | | | | | |
| Resource group * | AX2012R3-DevTest-DEVCPAX2012T-DS2-89c09d89a49b12cd-bff6f9a7e2e V Create new | | | | | |
| Instance details | | | | | | |
| If you need to create a legacy s | torage account type, please click here. | | | | | |
| Storage account name (i) * | | | | | | |
| Region (i) * | (US) East US | | | | | |
| Region (| Deploy to an edge zone | | | | | |
| Performance ① * | • Standard: Recommended for most scenarios (general-purpose v2 account) | | | | | |
| | Premium: Recommended for scenarios that require low latency. | | | | | |
| Redundancy 🛈 * | Geo-redundant storage (GRS) 🗸 🗸 | | | | | |
| | Make read access to data available in the event of regional unavailability. | | | | | |
| Subscription | Where this resource group will be located. | | | | | |
| Resource Group | The group where this resource is created. Organizations often have a specific "Lasernet" resource group. If you are unsure, please contact your system administrator. | | | | | |
| Region | The physical location of the hardware on which the Azure Storage Account is located. | | | | | |
| Storage Account Name | The name you want to give to your new storage account, there may be naming conventions in your organization that should be followed. | | | | | |
| Performance | Leave this as standard. | | | | | |
| Redundancy | Leave this as standard, or in a non-production environment "Locally Redundant Storage" will work as a much more cost- effective option. | | | | | |

4. Ensure all the above information is filled in and then click **Review**.

| Redundancy 🛈 * | Geo-redundant storage (GRS) | | | |
|----------------|--|--|--|--|
| | Make read access to data available in the event of reg | | | |
| | | | | |
| | | | | |
| Review | < Previous Next : Advanced > | | | |

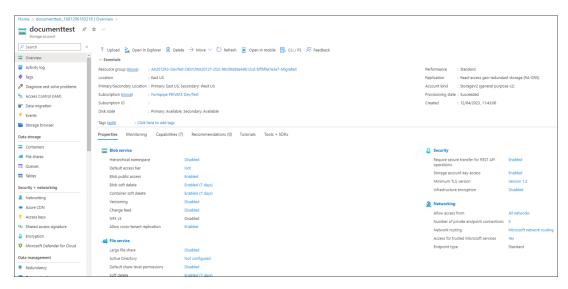
If your config passes the review, the **Create** button will become available.



5. Once you have clicked create, you will see that the deployment is in progress and then when the deployment is complete you can go directly to the resource:

| 🗊 Delete 🛇 Cancel 🚹 Redeploy 🞍 Download 🖒 Refresh | |
|---|--|
| Your deployment is complete | |
| Deployment name: documenttest_1681296183218 Subscription: Formpipe PRIVATE Dev/Test Resource group: AX2012R3-DevTest-DEVCPAX2012T-DS2-89c09d8 | Start time: 4/12/2023, 11:43:04 AM Correlation ID: 8e0592c9-79f6-41c5-b67f-3cf78296ec0a 陷 |
| ✓ Deployment details | |
| ∧ Next steps | |
| Go to resource | |
| Give feedback | |
| $\ensuremath{\mathcal{R}}$ Tell us about your experience with deployment | |
| | |

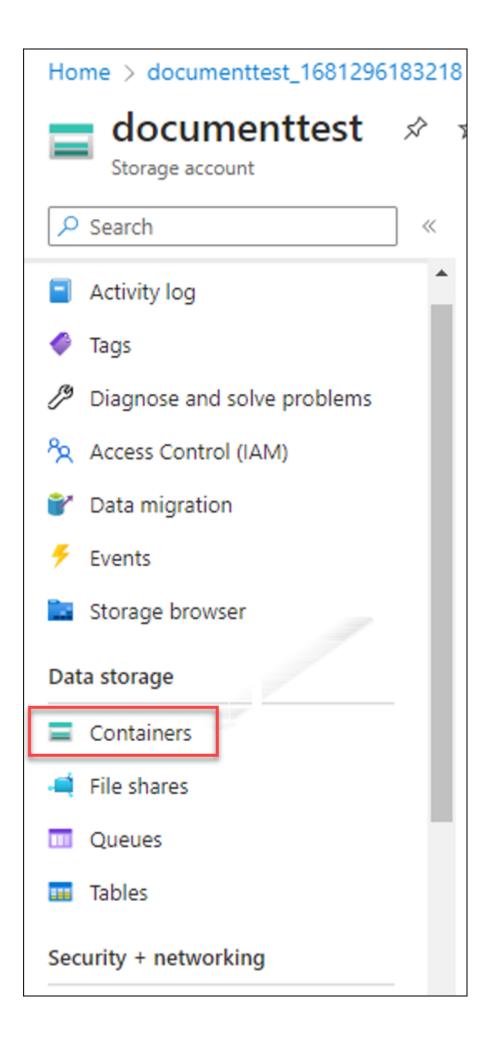
Once the resource is created, the following screen is displayed:



6. To reference this storage account in Lasernet we need to do two things. Copy the Connection String and create a container to store our data in.

Create a Container

1. Navigate to **Containers**.



2. Click **Container** to add a new container.

| Home > documenttest_1681296183218 | Overview > documenttest | | | |
|---|--|--|--|--|
| documenttest Containers ☆ ☆ … Storage account | | | | |
| ₽ Search « | + Container 🔒 Change access level 🤌 Restore containers 🗸 🕐 | | | |
| Activity log | Search container | | | |
| 🗳 Tags | | | | |
| Diagnose and solve problems | Name | | | |
| Access Control (IAM) | \$logs | | | |
| 💕 Data migration | | | | |
| 🗲 Events | | | | |

The following screen will be shown:

| New container | \times |
|-------------------------------|----------|
| | |
| Name * | |
| | |
| Public access level 🛈 | |
| Private (no anonymous access) | \sim |
| ∨ Advanced | |

3. Give your storage container a name, accept the other defaults, and click **Create**.

You can see your new container has been added to the list:

| + Container | Change access level | \rightarrow Restore containers \checkmark |
|-----------------|---------------------|---|
| Search containe | ers by prefix | |
| | | |
| Name | | |
| \$logs | | |
| doctest | | |
| | | |

Copy the access key

1. To copy the access key, navigate to **Access Keys** on the left of the storage account window.

| Data storage | | | | |
|--------------------|--|--|--|--|
| Containers | | | | |
| File shares | | | | |
| Queues | | | | |
| Tables | | | | |
| urity + networking | | | | |
| Networking | | | | |
| Azure CDN | | | | |
| Access keys | | | | |
| | | | | |

2. From within this screen copy the connection string linked to key1, click **show** next to the string, and then use the Copy to clipboard icon to copy the whole string.

| Home > documenttest_1681296183218 Overview > documenttest documenttest Access keys * ··· Storage account | | | | | | | |
|---|---|--|--|--|--|--|--|
| | 🕚 Set rotation reminder 💍 Refresh 🔗 Give feedback | | | | | | |
| Activity log Tags | Access keys authenticate your applications' requests to this storage account. Keep your keys in a secure location like Azure Key Vault, and replace them often with new keys. The two keys allow you to replace one while still using the other. | | | | | | |
| Diagnose and solve problems Access Control (IAM) | Remember to update the keys with any Azure resources and apps that use this storage account. Learn more about managing storage account access keys C | | | | | | |
| Data migration Events | Storage account name documenttest | | | | | | |
| 🖿 Storage browser | key1 💭 Rotate key | | | | | | |
| Data storage | Last rotated: 12/04/2023 (0 days ago) | | | | | | |
| Containers | Key Show | | | | | | |
| File shares Queues | Connection string | | | | | | |
| 🎫 Tables | key2 💭 Rotate key | | | | | | |
| Security + networking | Last rotated: 12/04/2023 (0 days ago) | | | | | | |
| 2 Networking | Key Show | | | | | | |
| Azure CDN | Connection string | | | | | | |
| 📍 Access keys | Show | | | | | | |
| Shared access signature | | | | | | | |
| | | | | | | | |



Apply this configuration

We use Azure Storage accounts in FO, as shown in the example at the start of this page.

Copy the connection string from the storage account into the connection string field in the Lasernet Connector.

| B Save + New Delete ✓ Validate ▷ Perform operation ✓ Options | | | | | | | |
|---|---------------------------------------|--|--|--|--|--|--|
| ∀ = | P Filter Connection type | Standard view ~ Connections | | | | | |
| | ~ · | Identification | | | | | |
| | Connection id Environment id : ASB | Connection Id Connection type Environment Id Storage | | | | | |
| | Azure Storage | Settings | | | | | |
| | CPCASB | Type Connection string Instance name Compress files | | | | | |
| | CPCStorage | Azure storage | | | | | |

Once the connection string has been copied in, the instance name for the storage container is available to select from the drop-down menu:

| Standard view \vee Connections | | | |
|-------------------------------------|-------------------------|----------------|----------------------|
| Identification | | | |
| Connection id Azure Storage | Connection type Storage | Environment id | |
| Settings | | | |
| Type Azure storage | Connection string | Instance name | Compress files No |
| | | doctest | |
| | | | |