

Azure Storage – Version 1.0

Usage

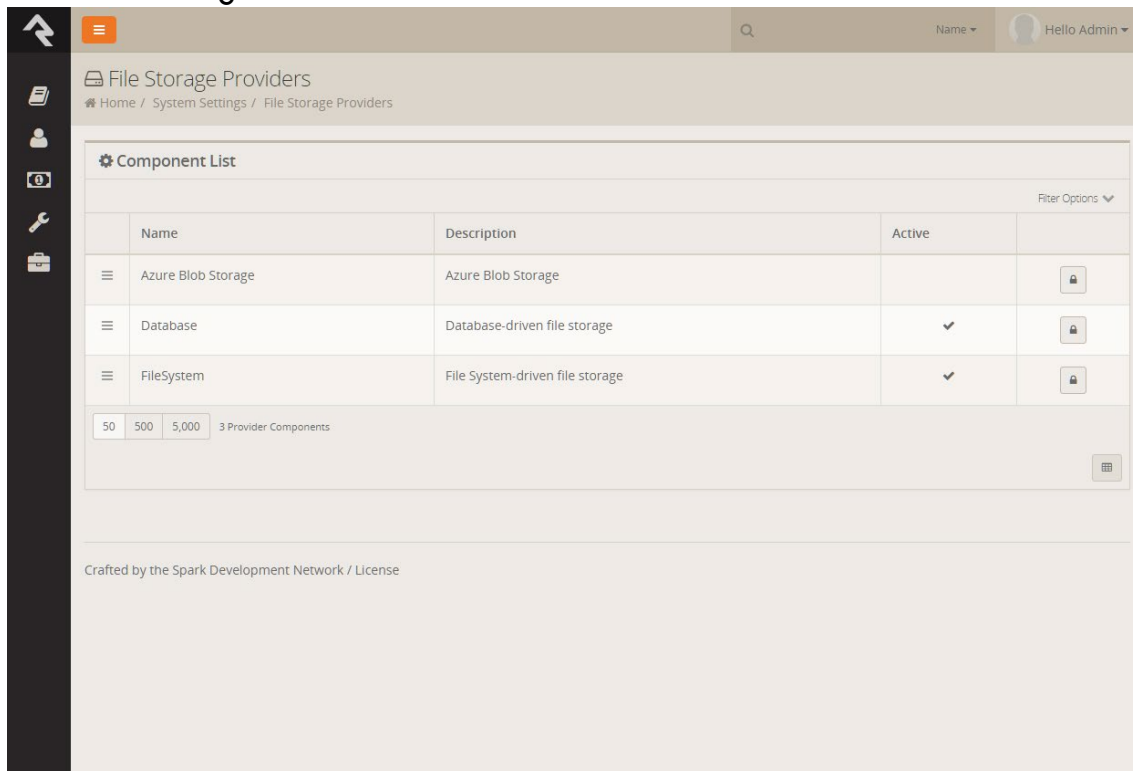
Out of the box Rock allows you to store files either as BLOBs (Binary Large Objects) in the database or as files on the webserver. For many organizations this is more than sufficient. Some however may wish to store their files in cloud storage. This has the added benefits of not being stored on a single server while off-loading storage space to the cloud.

When the file is requested the `GetFile.ashx` handler will proxy a stream of the file from Azure. Using Lava you can link to the file on Azure directly if you wish. An example of this syntax is below.

```
{{ Person | Attribute: 'EmploymentApplication','Url' }}
```

Storage Provider Setup

Once this package is installed, you'll notice a new storage provider under 'Admin Tools > System Settings > File Storage Providers' called 'Azure BLOB Storage'. This new provider is inactive as it requires additional configuration.

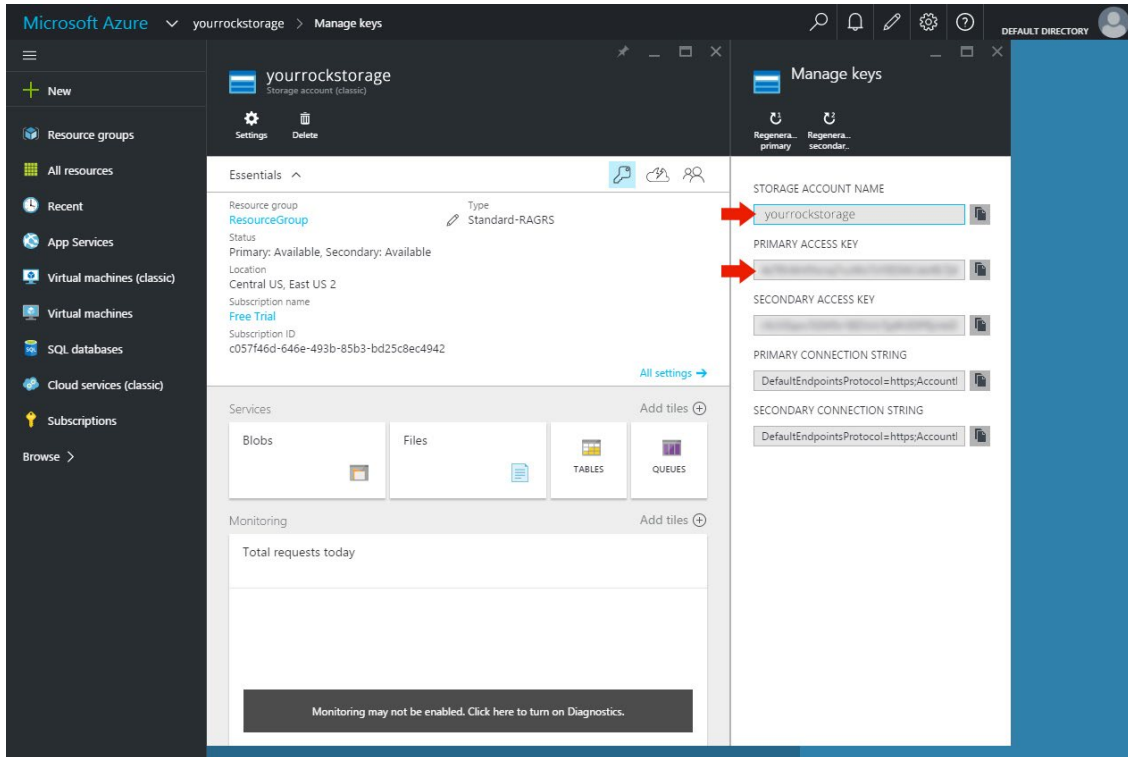


The screenshot shows the 'File Storage Providers' configuration page. The breadcrumb trail is 'Home / System Settings / File Storage Providers'. The page title is 'File Storage Providers'. Below the title is a 'Component List' table with the following data:

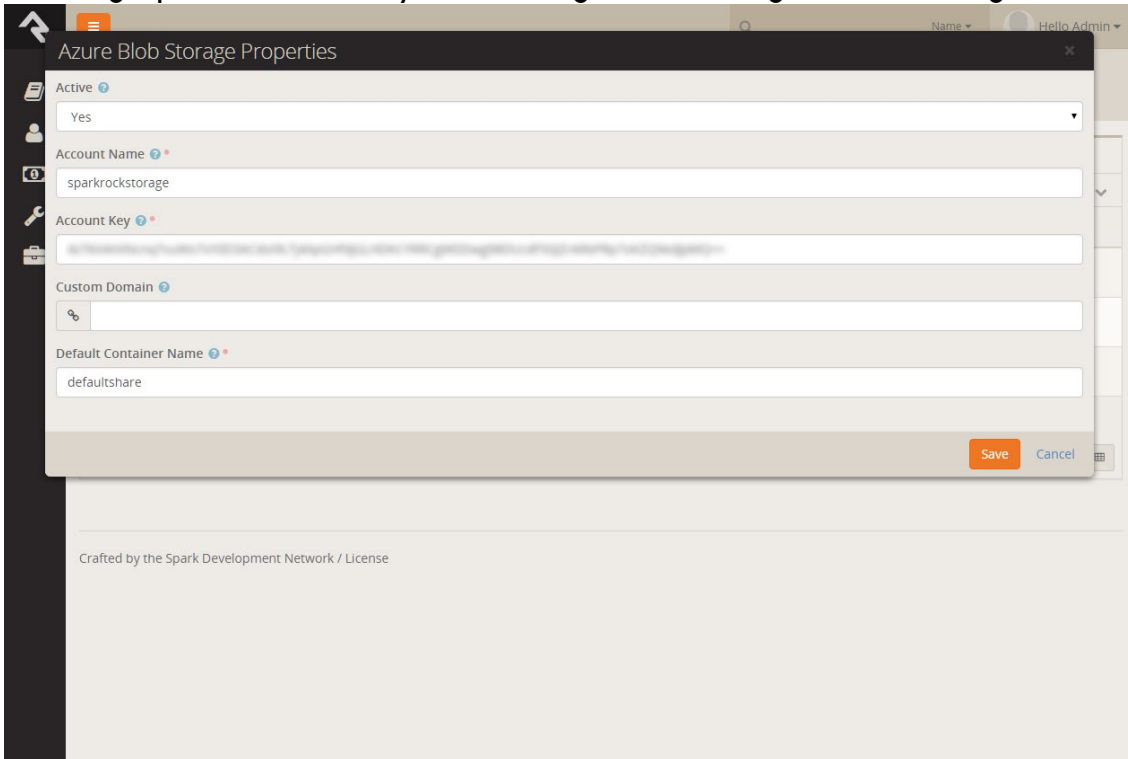
Name	Description	Active	
Azure Blob Storage	Azure Blob Storage		
Database	Database-driven file storage	✓	
FileSystem	File System-driven file storage	✓	

At the bottom of the table, there are pagination controls showing '50', '500', '5,000' and '3 Provider Components'. The footer of the page reads 'Crafted by the Spark Development Network / License'.

In order to setup this provider you will need two settings from your Azure Storage account, the Account Name and Key. The location of these settings in Azure are shown below.



Clicking this storage provider allows you to configure its settings. These settings are show below:



- **Active:** This determines if this storage provider is active or not.
- **Account Name:** The Azure account name to use for the storage provider.
- **Account Key:** The Azure account key to use for the storage provider.

- Custom Domain: When linking to the file if you would rather use a custom domain rather than the default <https://<accountname>.blob.core.windows.net/>. Note you will need to set this up in DNS for it to work.
- Default Container Name: The default Azure blob container to use if file type does not provide a container name.

Binary File Type Setup

Now that you have your storage provider configured, you can now setup file types to use it. To setup a new file type, navigate to “Admin Tools > General Settings > File Types”. When you add the new file type you will need to be aware of three new settings.

The screenshot shows the 'Edit Binary File Type' configuration page. The settings are as follows:

- Name:** Azure Files
- Description:** Files stored on Azure Storage
- Icon Css Class:** (Empty)
- Allows Caching:** Yes
- Requires View Security:** Yes
- Storage Type:** Azure Blob Storage (highlighted with a 1)
- Container Name:** defaultshare (highlighted with a 2)
- Container Folder Path:** (Empty) (highlighted with a 3)
- Preferred File Settings:**
 - Maximum Width: 0
 - Maximum Height: 0
 - Preferred Color Depth: Undefined
- Preferred Format:** Undefined
- Preferred Resolution:** Undefined
- Preferred Settings Required:** No

Buttons for 'Save' and 'Cancel' are visible at the bottom.

- Storage Type: Set this the ‘Azure Blob Storage’.
- Container Name: The Azure container you would like to use.
- Container Folder Path: The folder path within the container that you would like to files to be placed at.

Once you have setup the file type(s) you’re now ready to configure your attributes to use them just like you would any other storage provider.

