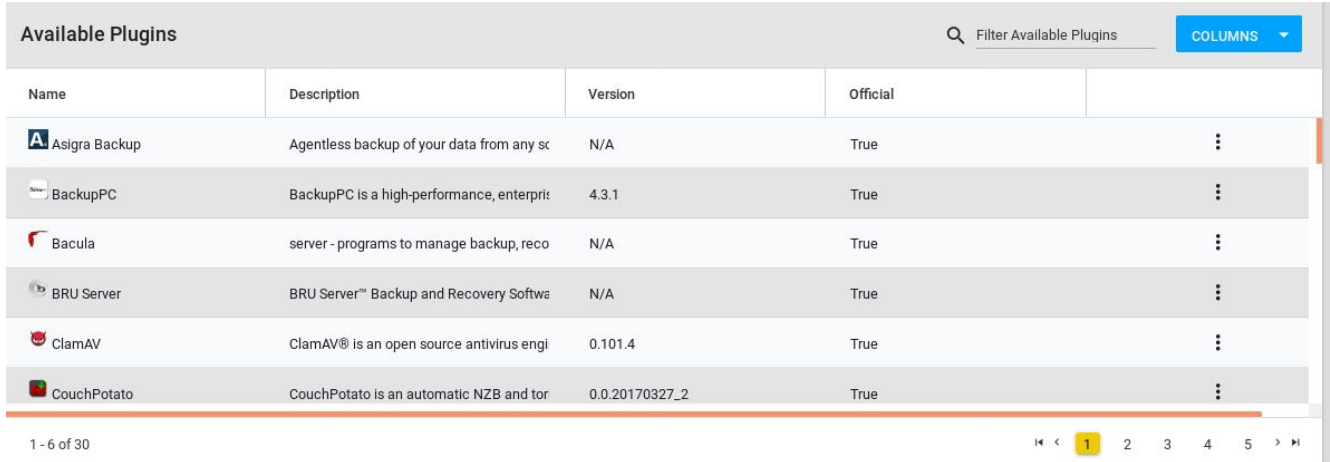# Installing the iconik® Storage Gateway plugin on TrueNAS® and FreeNAS®
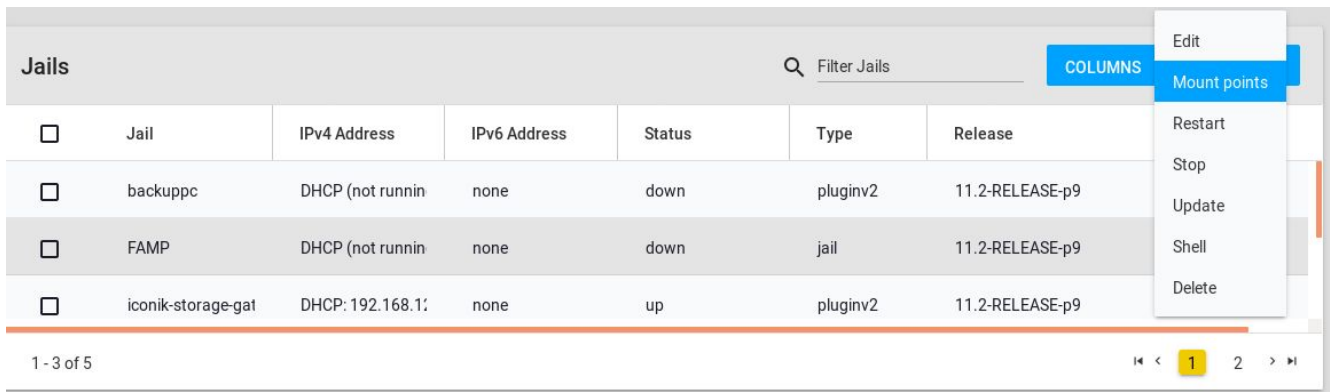
iconik is a cloud-based hub for media and studio management. iconik streamlines media management by making local and cloud-based assets discoverable from a single interface. Paired with the TrueNAS family of products, including FreeNAS, users achieve the same accessibility of the cloud with the security and economics of on-prem hosting.

Open **Plugins -> Available Plugins** and search for iconik-storage-gateway. Click the **three-dot** button on the right-hand side and then **Install**.

Once complete, go to **Jails**, select the **iconik-storage-gateway** jail, and from the **three-dot menu** select **Mount points**.

Assign a dataset for the **iconik-storage-gateway** to access. All files stored there will be searchable to users of the iconik web interface.

Note: Ensure the dataset used can be dedicated to this jail as permissions will change to the jail root user, and ensure write permissions are granted for groups and guests.

In a new browser tab, log in to your iconik account as a **power user**. The **power user** functions as the admin, and can add storage to the cloud-based account. Go to **Admin** -> **System settings** -> **Application token**.
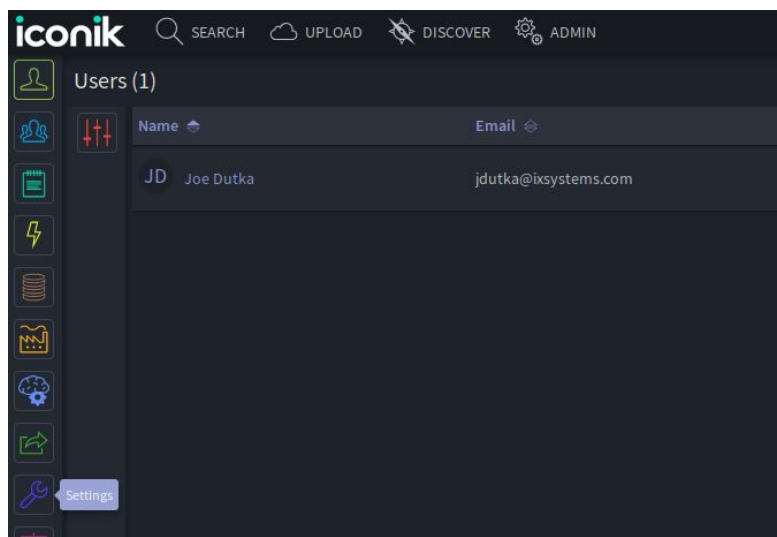
Fill-in an **Application Name** and assign a **User** and click ADD to create a new token. The **App ID** and **Token** can be copied by clicking the copy button ⬛ and **CREATE NEW** buttons. These keys will need to be included in the **config.ini** file in the **iconik-storage-gateway** plugin.
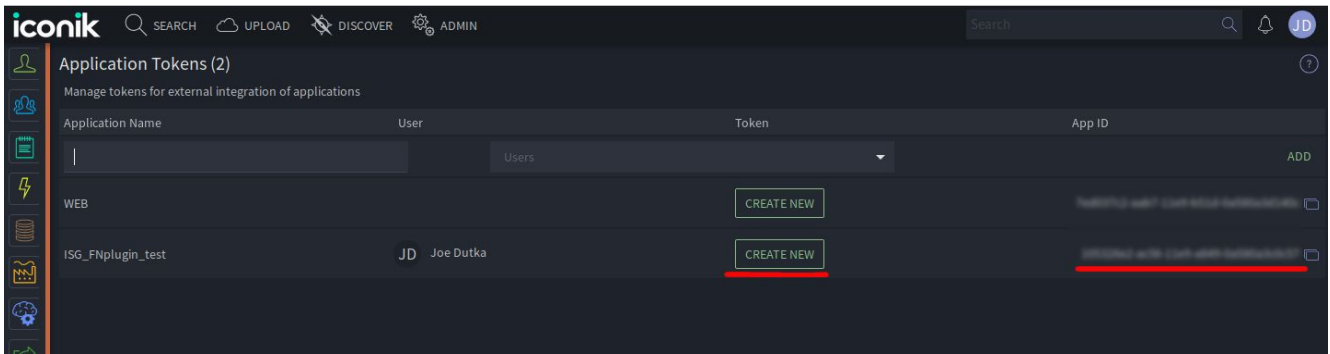
Next create a file storage clicking the **Storage** button and then **+ NEW STORAGE.**
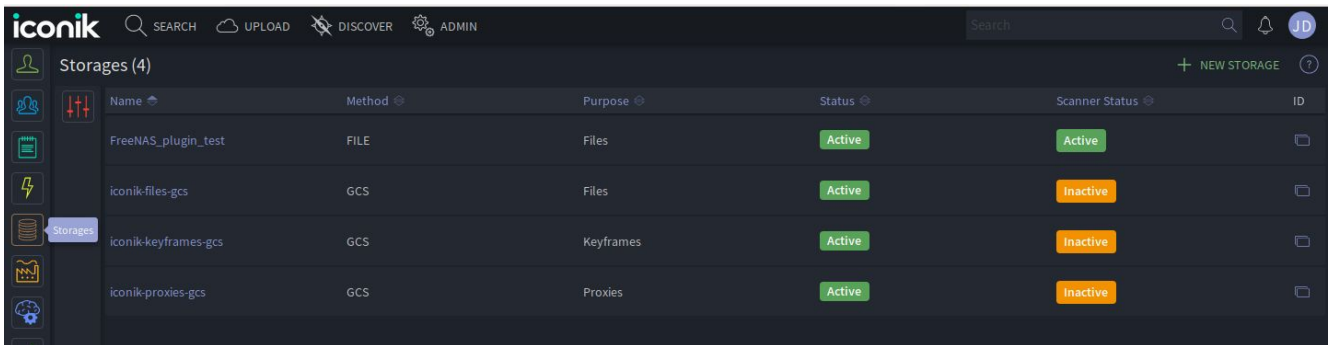
Enter a name for the storage and select **Files, Files** for **Storage Purpose** and **Storage Type.**

Enter the **Mount point** and directories for iconik to search and make available. Ensure **Read, Write, Delete,** and **Scan** are allowed for full management through the web interface. The **Mount point** entered is the same as the **Mount point** used by the **iconik-storage-gateway** plugin on TrueNAS. For example, if the created dataset was mounted to `/media` in the jail of the plugin, simply type `/media`.

Growing Files Threshold *	10
Scan Interval (seconds) *	5
Mount Point *	/media
Scan Directories	/data
Allow Access Outside Scan Directories	
Local Keyframe Creation	
Local Proxy Creation	
Upload Original Files	
Remote Storage	Select...
Remote Path	path/to/folder
Read	
Write	
Delete	
Scan	
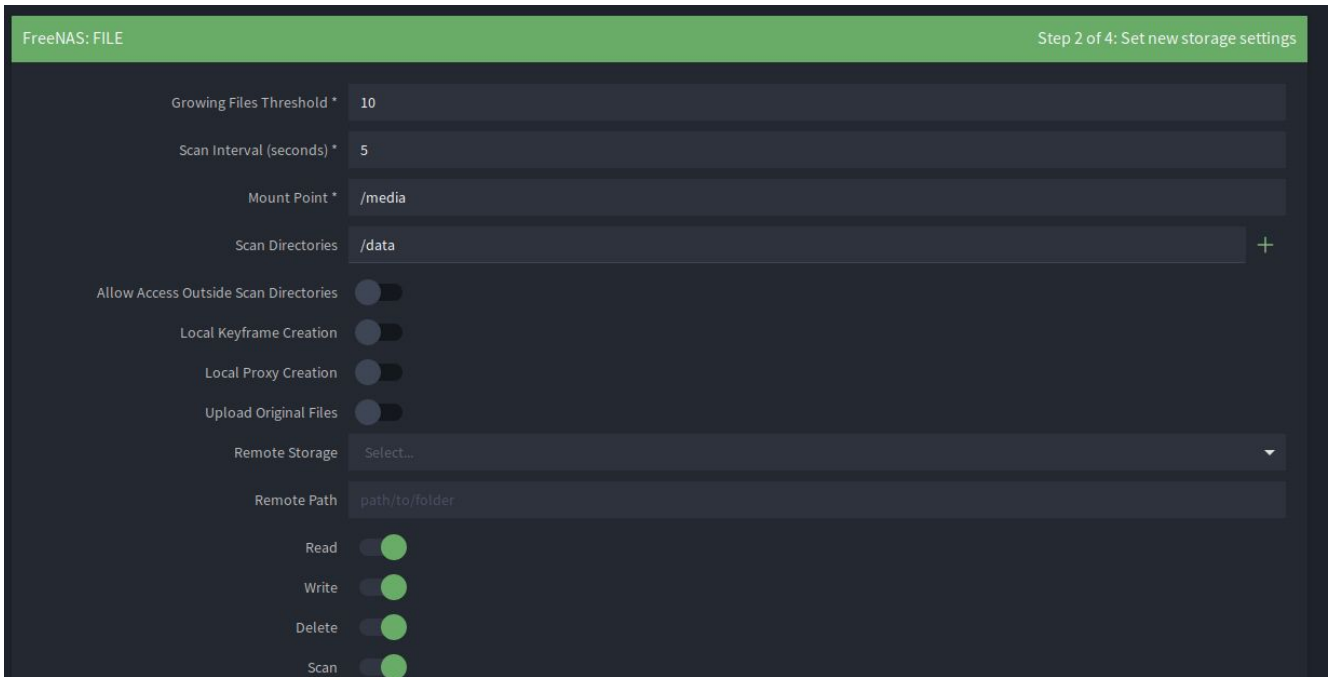
Click the **copy** button to obtain the **Storage ID** for the newly setup storage. In the NAS web interface go to **Plugins - Installed** and find the **iconik-storage-gateway** plugin.
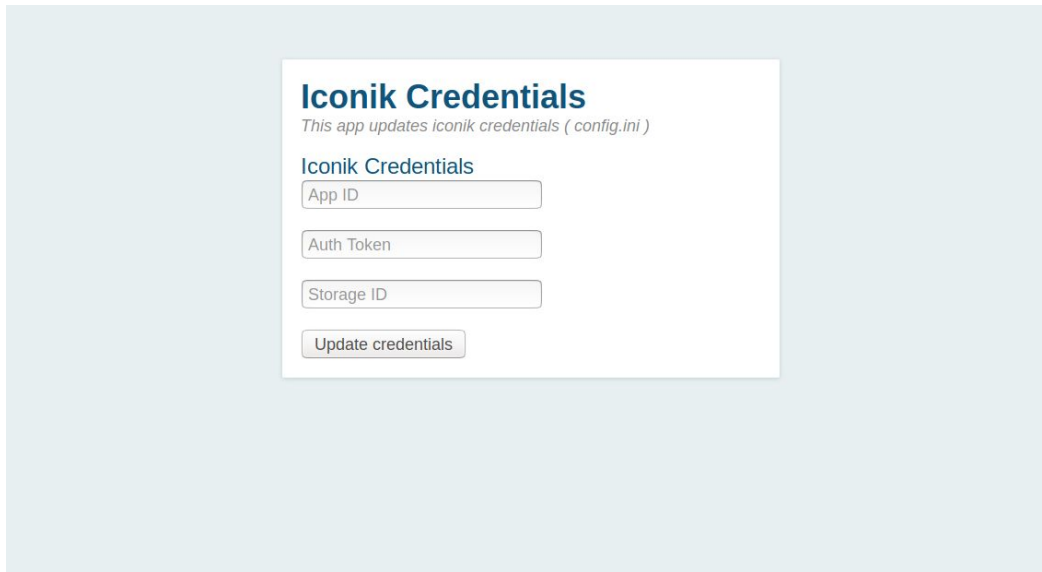

Installed Plugins   Filter Installed Plugins   COLUMNS ▼

	Jail	Status	IPv4 Address	IPv6 Address	Version	Release	
☐	backuppc	down	DHCP (not running		4.3.0_1	11.2-RELEASE-p9	Restart
☐	iconik-storage-ga1	down	DHCP (not running		N/A	11.2-RELEASE-p9	Stop
☐	iconik-storage-ga1	up	192.168.123.191		N/A	11.2-RELEASE-p9	Update / Management
☐	nextcloud	down	DHCP (not running		N/A	11.2-RELEASE-p9	Delete ⋮

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Click the **three-dot** button on the right-hand side, then click **Management**. The credential web interface will appear, and the iconik App ID, Auth Token, and Storage ID can be applied. Click **Update Credentials** to apply the values to the **config.ini** file.

Iconik Credentials

This app updates iconik credentials (config.ini)

Iconik Credentials

App ID

Auth Token

Storage ID

Update credentials

Return to the **Admin** view of the iconik web interface and navigate to **Storages**. The newly created storage should show as **Active**.

Name ⬆	Method ⬘	Purpose ⬘	Status ⬘	Scanner Status ⬘	ID
FreeNAS_plugin_test	FILE	Files	Active	Active	
iconik-files-gcs	GCS	Files	Active	Inactive	
iconik-keyframes-gcs	GCS	Keyframes	Active	Inactive	
iconik-proxies-gcs	GCS	Proxies	Active	Inactive	

Storages (4) + NEW STORAGE ⑦

Currently available on FreeNAS 11.2, the iconik storage gateway plugin will be coming to TrueNAS 11.3. To sign up for a free trial with 300 credits [click here](). For any questions or enquiries feel free to [contact us]().