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**.

Available Plugins			Q Filter Available Plu	gins COLUMNS 🔻
Name	Description	Version	Official	
A. Asigra Backup	Agentless backup of your data from any sc	N/A	True	I
BackupPC	BackupPC is a high-performance, enterpris	4.3.1	True	E
🗲 Bacula	server - programs to manage backup, reco	N/A	True	÷
BRU Server	BRU Server™ Backup and Recovery Softwa	N/A	True	:
😇 ClamAV	ClamAV® is an open source antivirus engi	0.101.4	True	÷
CouchPotato	CouchPotato is an automatic NZB and tor	0.0.20170327_2	True	:
1 - 6 of 30			H < <mark>1</mark>	2 3 4 5 > ₩

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

Jails					Q Filter Jails		Edit
Jans						COLUMNS	Mount points
	Jail	IPv4 Address	IPv6 Address	Status	Туре	Release	Restart
	backuppc	DHCP (not runnin	none	down	pluginv2	11.2-RELEASE-p9	Stop Update
	FAMP	DHCP (not runnin	none	down	jail	11.2-RELEASE-p9	Shell
	iconik-storage-gat	DHCP: 192.168.11	none	up	pluginv2	11.2-RELEASE-p9	Delete

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



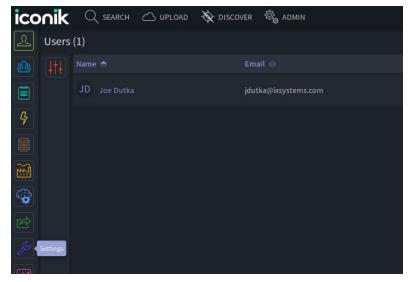


s / Mount Points		FreeNAS® © 2019 - iXsyst
Mount points	Q Filter Mount points	COLUMNS - ACTIONS -
Source	Destination	
/mnt/Storage/iconik-test	/mnt/Storage/iocage/jails/iconik-storage-gateway/roc	: :
1 - 1 of 1		

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.

Mode 🕐			
	Owner	Group	Other
Read			~
Write		~	<u>~</u>
Execute		2	-

In a new browser tab, <u>log in</u> 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.





icc	nik 🔍 search 🛆 upload 🗞 discove	r 🏟 admin	Search	۹ 🗘 🕠
L	Application Tokens (2)			
<u>R</u>	Manage tokens for external integration of applications			
4	WEB		CREATE NEW	
	ISG_FNplugin_test	JD Joe Dutka	CREATE NEW	

Next create a file storage clicking the **Storage** button and then **+ NEW STORAGE**.

iconik (🔍 SEARCH 🛆 UPLOAD 🔖 D	nscover 🏟 admin		Search	۹ 🗘	JD
Storages	(4)					
Free				Active	Active	
icon الم				Active	Inactive	
			Keyframes	Active	Inactive	
icon		GCS		Active	Inactive	

Enter a name for the storage and select Files, Files for Storage Purpose and Storage Type.

Add new storage		Step 1 of 4: Specify new storage
Name *	FreeNAS	
Storage Purpose *		× 🗸
Storage Type *	FILE	* -
		CANCEL

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.





FreeNAS: FILE	Step 2 of 4: Set new storage settings
Growing Files Threshold *	10
Scan Interval (seconds) *	
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	
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.

Jail	Status	IPv4 Address	IPv6 Address	Version	Release	Restart
backuppc	down	DHCP (not running		4.3.0_1	11.2-RELEASE-p9	Stop
iconik-storage-gat	down	DHCP (not running		N/A	11.2-RELEASE-p9	Update Manage
iconik-storage-gat	up	192.168.123.191		N/A	11.2-RELEASE-p9	Delete
nextcloud	down	DHCP (not runnin		N/A	11.2-RELEASE-p9	:

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.





torage ID	App ID	
	Auth Token	
	Storage ID	
Jpdate credentials	Update credentials	

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

Stora	ges (4)				+ NEW STORAG	Е
414						ID
			Files	Active	Active	D
		GCS	Files	Active	Inactive	
		GCS	Keyframes	Active	Inactive	
		GCS		Active	Inactive	D

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 <u>click here</u>. For any questions or enquiries feel free to <u>contact us</u>.



