

# Zeppelin Backup

## Install the Azure CLI on Linux

```
sudo rpm --import https://packages.microsoft.com/keys/microsoft.asc
echo -e "[azure-cli]
name=Azure CLI
baseurl=https://packages.microsoft.com/yumrepos/azure-cli
enabled=1
gpgcheck=1
gpgkey=https://packages.microsoft.com/keys/microsoft.asc" | sudo tee
/etc/yum.repos.d/azure-cli.repo
```

```
sudo yum install azure-cli
```

## Create container in Azure storage account

Create zeppelin-stage-backup container in argoidinfrabackups storage account.

Dashboard > Storage accounts > argoidinfrabackups

argoidinfrabackups | Containers

Storage account

Search (Cmd+/) « + Container Change access level Restore containers Refresh Delete

Search containers by prefix ☐ Show deleted containers

	Name	Last modified	Public access level	Lease state	
<input type="checkbox"/>	\$logs	8/4/2021, 11:34:24 AM	Private	Available	...
<input type="checkbox"/>	jenkinsbackup	8/4/2021, 3:57:08 PM	Private	Available	...
<input type="checkbox"/>	jupyter-stage-backup	11/30/2021, 11:19:09 AM	Private	Available	...
<input type="checkbox"/>	nifibackup	10/25/2021, 12:40:28 PM	Private	Available	...
<input type="checkbox"/>	redash-stage-backups	9/6/2021, 5:42:12 PM	Private	Available	...
<input type="checkbox"/>	stage-postgres-backups	9/15/2021, 6:36:07 PM	Private	Available	...
<input checked="" type="checkbox"/>	zeppelin-stage-backup	11/17/2021, 10:50:37 AM	Private	Available	...

Overview  
Activity log  
Tags  
Diagnose and solve problems  
Access Control (IAM)  
Data migration  
Events  
Storage browser (preview)  
Data storage  
Containers  
File shares  
Queues  
Tables  
Security + networking  
Networking  
Azure CDN  
Access keys

## Sync zeppelin backup with azure storage container

To fetch the access keys we need to login to azure portal Storage accounts argoidinfrabackups container.

Click on Access keys, we can view the access keys by clicking on show keys.

Dashboard > Storage accounts > argoidinfrabackups

## argoidinfrabackups | Access keys

Storage account

Search (Cmd+/) << Hide keys Set rotation reminder Refresh

**Events**

Storage browser (preview)

**Data storage**

- Containers
- File shares
- Queues
- Tables

**Security + networking**

- Networking
- Azure CDN
- Access keys**
- Shared access signature
- Encryption
- Security

**Data management**

- Geo-replication

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.

Remember to update the keys with any Azure resources and apps that use this storage account. [Learn more](#)

Storage account name  
argoidinfrabackups

**key1**

Last rotated: 04/08/2021 (92 days ago)

Rotate key

Key  
UilImJy48TPIdgWOCWXQAI9ovSEJCg5lqzJw24ZBra4VFYgOeo458HB+OdkLy43w0I9...

Connection string  
DefaultEndpointsProtocol=https;AccountName=argoidinfrabackups;AccountKey=...

**key2**

Last rotated: 04/08/2021 (92 days ago)

Rotate key

Key  
jHvcEyaySb4S+1q9CYqaaj/Yql7Z7oHVUBLLm99O/syZWyl8ykApPMb8TamXOva7g...

Connection string

### Cronjob

```
#SHELL=/bin/bash

##export azure properties
AZURE_STORAGE_KEY="
UilImJy48TPIdgWOCWXQAI9ovSEJCg5lqzJw24ZBra4VFYgOeo458HB+OdkLy43w0I9LEhD2
PwlwpoOVovoRiA=="
AZURE_STORAGE_AUTH_MODE="key"
AZURE_STORAGE_ACCOUNT="argoidinfrabackups"
AZURE_STORAGE_CONNECTION_STRING="DefaultEndpointsProtocol=https;
AccountName=argoidinfrabackups;
AccountKey=UilImJy48TPIdgWOCWXQAI9ovSEJCg5lqzJw24ZBra4VFYgOeo458HB+OdkLy
43w0I9LEhD2PwlwpoOVovoRiA==;EndpointSuffix=core.windows.net"

29 06 * * * /opt/zeppelin_backup_script/zeppelin_bk_script.sh
30 06 * * * az storage azcopy blob sync --container zeppelin-stage-
backup -s /opt/zeppelin_backup/
```

### Zeppelin backup script

```
#!/bin/bash

date=$(date '+%Y_%m_%d_%H_%M_%S')
backup_dir1=/opt/zeppelin/conf
backup_dir2=/opt/zeppelin/notebook
delfilepath=/opt/zeppelin_backup
zeppelin_home=/opt/zeppelin
zeppelin_backup=/opt/zeppelin_backup/zeppelin_bk_$(date).tar.gz

tar -zcf $zeppelin_backup $backup_dir1 $backup_dir2

find $delfilepath -mtime +7 -type f -delete
```