



Active Circle

Release Notes

ACTIVE CIRCLE V6.1.0.1

June 2021



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1. Update Process

1.1. Version 4.0.2pX



A specific procedure is implemented to update 4.0.2 versions to version 4.6. This is available on the Active Circle help site: <https://activecircle-help.com>.

Since the VFS catalog format has changed, **all** VFS catalog objects must be upgraded before proceeding to upgrade the next node.

1.2. Version 4.5 up to 4.6

The procedure for updating Active Circle to version 6.0 from versions 4.5 up to 4.6, is first to upgrade to version 5.5 using the procedure for a major update and then to upgrade to Active Circle 6.1 using the below procedure.

1.3. Version 5.x up to 6.0

The procedure for updating Active Circle to version 6.1 from versions 5.x is straightforward and requires no special preparation. It involves updating the binary files on all the nodes in your Circle and restarting the updated nodes.

The procedure is as follows:

1. Copy the **ac-6.1.X.bin** binary file for the new version to all the nodes in the Circle (X is the patch number).
2. Stop the activecircle service on all the nodes in the Circle.
3. On each node, run the setup program with the command: `./ac-6.1.X.bin -r`
4. Start the activecircle service on the first node (the necessary updates are applied during the start-up).
5. Verify that the first node has started correctly.
6. Start the activecircle service on the remaining nodes in the Circle, one at a time.
Verify that the node has started correctly before proceeding to the next one. Synchronization will update the metadata for all the nodes.

1.4. Version 6.1.x

This version is compatible with every 6.1.x, a single node in a 6.1.x circle can be upgraded without stopping all the nodes of the circle.

On the node to upgrade the procedure is the following:

1. Copy the **ac-6.1.X.bin** binary file for the new version to the node to upgrade (X is the patch number).
2. Stop the activecircle service on the node.
3. Run the setup program with the command: `./ac-6.1.X.bin -r`
4. Start the activecircle service on the node.
5. Verify that the node has started correctly.

2. Active Circle V6.1.0.1 – June 2021

This maintenance version of Active Circle provides backporting to V6.1.X version of critical fixes.

This new version is only available for Centos 7.

SHA256 FOOTPRINT

7496a64d039ff36e869c76df4704221ffbe85c1ed287b5f0ca1f35ffffc078b9

2.1. Compatibility matrix

This new version of Active Circle 6.1.0.0 is compatible with the following version of the options:

- AMC 6.1
- ADM 1.4.0 in HTTP
- AME 2.3

2.2. Fixes

AC-4431

Fix LOCATE SCSI command for LTO4 drives, to allow reading LTO4 tapes in LTO4 drives.

AC-4429

Error management enhancement during selection phase of the archiving process:
Skip unreachable files while sorting (formerly archiving was interrupted if such a file was encountered).

AC-4413

Endpoint unreachable detection log enhancement by logging the stack of the thread that detects such an unreachable endpoint.

Add the following system properties that control the endpoint reachability management:

activecircle.remote.endpoint.reachable.maxRetries = 20
activecircle.remote.endpoint.reachable.shortRetryDelay = 100 ms
activecircle.remote.endpoint.reachable.longRetryDelay = 1 min
activecircle.remote.endpoint.reachable.shortConnectTimeout = 1 s
activecircle.remote.endpoint.reachable.longConnectTimeout = 10 s
activecircle.remote.endpoint.reachable.resetRetryDelay = 1 min

AC-4410

Timeout the accept of the FTP data socket in passive mode to avoid potential “Too many open file” error if the client never connects to the data socket.

The timeout can be parametrized with the system property:

ac.nas.ftp.passive.acceptTimeout that must be given in ms (3 600 000 i.e. 1h is the default value)

3. Active Circle V6.1.0.0 – December 2020

This major version of Active Circle enlarges our cloud archiving capabilities with the support of AWS-S3 providers.

This new version is only available for Centos 7.

SHA256 FOOTPRINT

e62376c8d75f17a97ef55f98b2254a286161a075cd3947c693478682cd390c85

3.1. Compatibility matrix

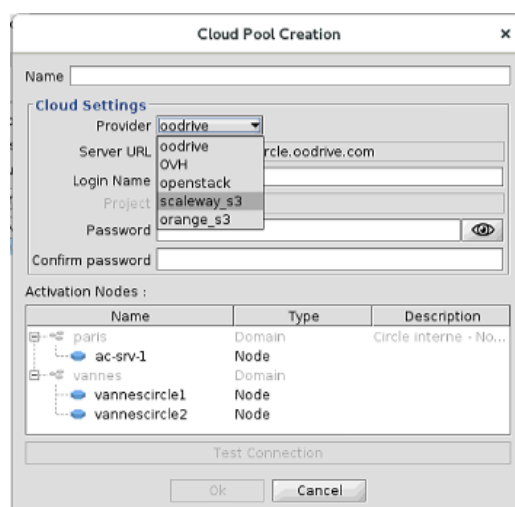
This new version of Active Circle 6.1.0.0 is compatible with the following version of the options:

- AMC 6.1
- ADM 1.4.0 in HTTP
- AME 2.3

3.2. New features and enhancements

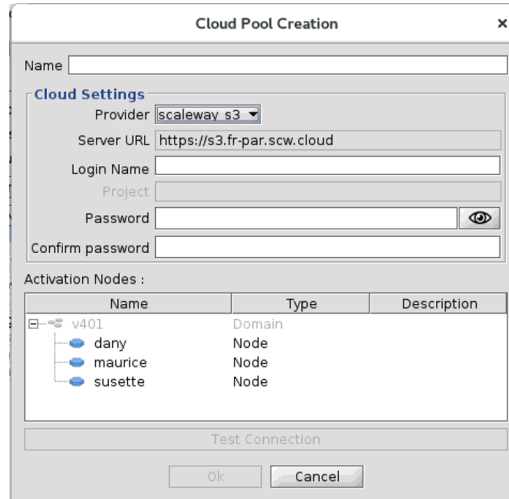
3.2.1. S3 cloud provider

New cloud providers using the S3 protocol have been added for cloud archiving. They are available in the provider list when creating such an archiving cloud pool:



3.2.1.1. Scaleway Provider

When selecting the S3 Scaleway provider, the server URL is set to <https://s3.fr-par.scw.cloud>. You just have to give your login and password required to access your Scaleway account.



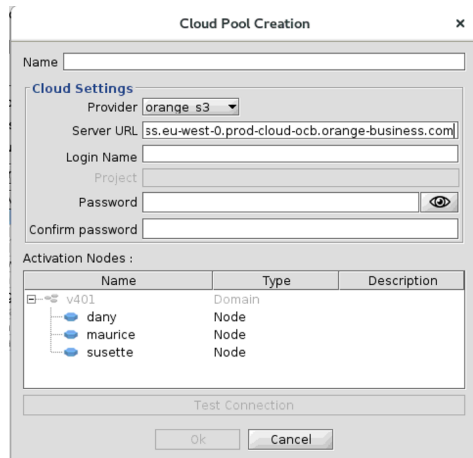
The 'Cloud Pool Creation' dialog box shows the following configuration for the Scaleway provider:

- Name:** (empty text field)
- Cloud Settings:**
 - Provider:** scaleway_s3
 - Server URL:** https://s3.fr-par.scw.cloud
 - Login Name:** (empty text field)
 - Project:** (empty text field)
 - Password:** (empty text field with a toggle icon)
 - Confirm password:** (empty text field)
- Activation Nodes:**

Name	Type	Description
v401	Domain	
dany	Node	
maurice	Node	
susette	Node	
- Buttons:** Test Connection, Ok, Cancel

3.2.1.2. Orange Provider

Choosing the Orange provider the URL is set to <https://oss.eu-west-0.prod-cloud-ocb.orange-business.com>. You just have to give your login and password required to access your Orange account.



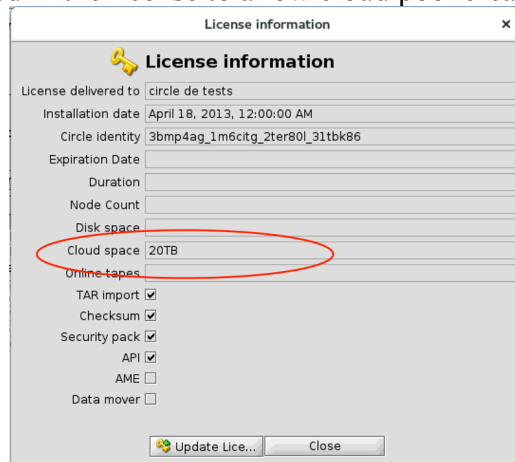
The 'Cloud Pool Creation' dialog box shows the following configuration for the Orange provider:

- Name:** (empty text field)
- Cloud Settings:**
 - Provider:** orange_s3
 - Server URL:** ss.eu-west-0.prod-cloud-ocb.orange-business.com
 - Login Name:** (empty text field)
 - Project:** (empty text field)
 - Password:** (empty text field with a toggle icon)
 - Confirm password:** (empty text field)
- Activation Nodes:**

Name	Type	Description
v401	Domain	
dany	Node	
maurice	Node	
susette	Node	
- Buttons:** Test Connection, Ok, Cancel

3.2.2. Cloud archive licensing

A new option has been added in the license to allow cloud pool creation.



The image shows a 'License information' dialog box with a key icon. It contains the following fields and options:

Field	Value
License delivered to	circle de tests
Installation date	April 18, 2013, 12:00:00 AM
Circle Identity	3bmp4ag_1m6citg_2ter80l_31tbk86
Expiration Date	
Duration	
Node Count	
Disk space	
Cloud space	20TB
Online tapes	

Below the fields are several checkboxes:

- TAR import ☒
- Checksum ☒
- Security pack ☒
- API ☒
- AME ☐
- Data mover ☐

At the bottom are two buttons: 'Update Lice...' and 'Close'.

3.3. Fixes

AC-4294

Fix timeout occurring during remote LTFS archiving of huge files.