

∞drive Active Circle

Release Notes

March 2024

Active Circle V6.6.0.10



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Update Process

From 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.

From version 4.5 up to 4.6

The procedure for updating Active Circle to version 6.6 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 6.6 using the below procedure.

From version 5.x up to 6.5

The procedure for updating Active Circle to version 6.6 from versions 5.x up to 6.5 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-6.6.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 a first node, ideally a consolidation node, run the setup program with the command: `./ac-6.6.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. On each remaining node, run the setup program with the command: `./ac-6.6.X.bin -r` and start the activecircle service, 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.

From version 6.6.x

This version is compatible with every 6.6.x, a single node in a 6.6.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-6.6.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-6.6.X.bin -r`
4. Start the activecircle service on the node.
5. Verify that the node has started correctly.

Active Circle V6.6.0.10 HOTFIX – March 2024

SHA256 footprint

8117cd4d4f549a0b84ce6c5b6be4b50240ee84285b5d94a72d8ff3dab5a1d923

Fixes

AC-4718

Avoid NPE in `acarchive` command by managing the **checking** and **destaging** archiving phase in API.

Active Circle V6.6.0.9 HOTFIX – December 2023

SHA256 footprint

863cfa90faf3bf82100e18ad6850eb8d50351a6b471e3dfb3c3b947eb3736380

Fixes

AC-4687

Upgrade NETLOGON authentication module to 2.0.8, to fix AD authentication from linux client.

Active Circle V6.6.0.8 HOTFIX – October 2023

SHA256 footprint

be9131ee7a596660cfc17a95da61692f06a3b6dedd33ea592b9cb1cfb7f9f3b2

Fixes

AC-4690

Fix renaming file with `.ac-cloud-part` extension with SMB2.

Active Circle V6.6.0.7 HOTFIX – September 2023

SHA256 footprint

336c36fde019f3517d7ad6da88e970e29cf48e01d871b298b1615b14933785ba

Fixes

AC-4685

The destaging timeout (i.e. the maximum time to load the file in the cache) is now configurable with the system property **activecircle.vfs.retrieving.waitingForFileTimeout** expressed in minutes.

The default value is increased from 12h to 15h.

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Active Circle V6.6.0.6 HOTFIX – August 2023

SHA256 footprint

611b1892244f8546c0fe22937bd3baee1e8fed98e89513f7d68dc0824f8078e6

Fixes

[AC-4677](#)

Fix the list of archived files for pending cloud archives.

Active Circle V6.6.0.5 HOTFIX – July 2023

SHA256 footprint

33c9127a1f87130edfb5ffdf77cae34dc329bc8a6caab67a09b9234812d545a1

Fixes

[AC-4675](#)

Fix error management during resource manager activation.

[AC-4612](#)

Enhance file closing with NFS protocol to avoid file kept open under certain circumstances (multiple access or retries).

Active Circle V6.6.0.4 HOTFIX – June 2023

SHA256 footprint

cc733b0a28340a66e0ebad79089af072ae07a456ee9e4f0564181042bcc8d621

Fixes

[AC-4655](#)

Fix memory leak in the NFS server when a client attempt to access a share that is no more available (deleted or inactivated).

Active Circle V6.6.0.3 HOTFIX – May 2023

SHA256 footprint

34f48aaffe99f9b385762ad7cdcb3b075a13f2a6c10199aad8f860fea6549a5b

Fixes

[AC-4667](#)

Fix NTLMV2 authentication on LDAP in samba mode.

AC-4486

Fix user merge during directory synchronisation and continue with next user merge if an error is encountered.

Active Circle V6.6.0.2 HOTFIX – April 2023

SHA256 footprint

f61f1aaf2850de24c9c99a5e03b5eda6f70d12eab7339656a25d1095d1789397

Fixes

AC-4640

LDAP import and change now uses NTLMv2 protocol.

The system property **activecircle.directory.sasl.useNTLMv1** can be use to force NTLMV1 protocol.

AC-4639

FTP authentication now uses NTLMv2 protocol.

The system property **activecircle.directory.sasl.useNTLMv1** can be use to force NTLMV1 protocol.

Active Circle V6.6.0.1 HOTFIX – March 2023

SHA256 footprint

434f8ed135ee67c3ba6963b469a950b90bcd725d2adaf160a16c4acc5785160f

Fixes

AC-4636

admin and explorer GUI uses now NTLMV2 protocol to authenticate the users toward an AD.

The system property **activecircle.directory.sasl.useNTLMv1** can be use to force NTLMV1 protocol.

AC-4635

AD synchronization in SASL mode now uses NTLMv2 protocol.

The system property **activecircle.directory.sasl.useNTLMv1** can be use to force NTLMV1 protocol.

AC-4624

Use the domain defined in the system property **activecircle.directory.synchro.domain** to authenticate the AD synchronization account.

Active Circle V6.6.0.0 – January 2023

This major version of Active Circle provides the support LTO9 tape drives and many other fixes and enhancements.



Using LTO9 tape drives requires a specific license option.

This version is now available for RHEL 8 and is still available for Centos 7/RHEL 7.

SHA256 footprint

f6ac2022762e2c591fc99f7a84ecd24963c8069e6a7b36e33916d5e4c11fec52

Compatibility matrix

This new version of Active Circle 6.6.0.0 is compatible with the following version of the options:

- AMC 6.2
- ADM 1.4.0 in HTTP
- AME 2.3

New features and enhancements

LTO9 support

Both IBM LTO9 and HPE LTO9 tape drive and tape are now supported.

Data and WORM LTO9 tapes are supported (L9 and LZ media)

The use of LTO9 tape and drive is subject to a specific license agreement option. Legacy licence agreement allows the use of LTO drive up to 8th generation.

A new field appears in the license information frame that shows the maximum LTO generation allowed.

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

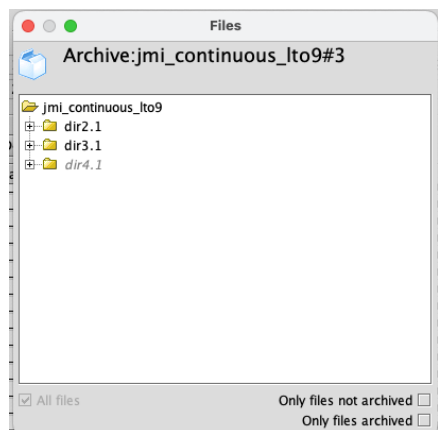
- License delivered to: circle de tests
- Installation date: April 18, 2013 12:00:00 AM
- Circle identity: 3bmp4ag_1m6citg_2ter80l_31tbk86
- Expiration Date: (empty)
- Duration: (empty)
- Node Count: (empty)
- Disk space: (empty)
- Cloud space: 50TB
- Online tapes: (empty)
- LTO Generation: 9** (highlighted with a red circle)
- TAR import: ☒
- Checksum: ☒
- Security pack: ☒
- API: ☒
- AME: ☐
- Data mover: ☐

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

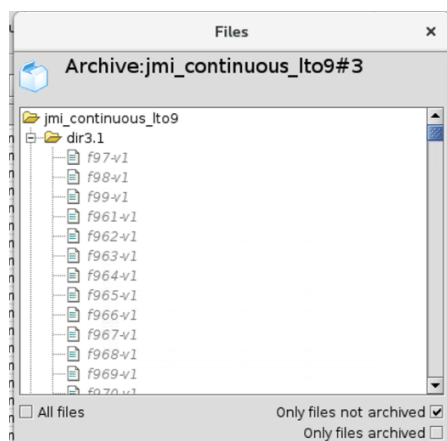
Choose the displayed file list of an archive, archived file or not archived files only.

The file list window in the “Archive” tab of a share has now check boxes to choose the list to show:

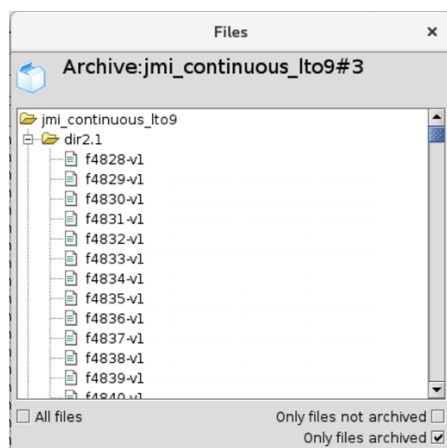
All files (default)



Only files not archived



Only files archived



Display the tape closing reason with **acinfo --tape**

The CLI **acinfo --tape** shows a new column with the closing reason of the tapes.

[root@maurice ~]# acinfo --tape -H -n ltfs												
TapeName	BarCode	Type	SerialNumber	Capacity	UsedSpace	DataSize	Closed?	Full?	Fragmentation(%)	Fragmented?	ClosingCause	
ltfs:												
ltfs-96	AB7370	LTO-6	T140722269	2410363748352		21660434432		45031533271	-	- 33	- <none>	
ltfs-99	AAA001	LTO-5	ACC5RGUK24	1427893125120		89009422336		82785631861	X	- 0	- imported	
ltfs-72	AB9903	LTO-6	Y141113561	2410363748352		2408230944768		2323084414670	X	X 11	-	
		positioning error										
ltfs-92	AB7372	LTO-6	T140722272	2410363748352		2294504488960		2313059210147	X	- 28	-	
		defragmenting										
ltfs-105	AB7371	LTO-6	U140722307	2410363748352		74448896	5718814720		X -	0 -	defragmenting	

“scriptable” cluster (i.e. AMC cluster) enhancement.

The CLI **acinfo --cluster** is able to deal with scriptable cluster.

It is now possible to delete node even if it is member of a “scriptable” cluster (AMC cluster)

Fixes

AC-4622

Fix dead lock in the NFS server when moving a file from a directory (mv) and listing it concurrently.

AC-4599

Checksum log enhancement. Log only the 5 first error when the MD5 reference file has a wrong format. The remaining failure are logged in DEBUG1.

AC-4591

Checksum log enhancement. Add the name of the current share in the MD5 checksum failure logs.

AC-4567

Fix NullPointerException when removing a tape without a partition in force mode

AC-4561

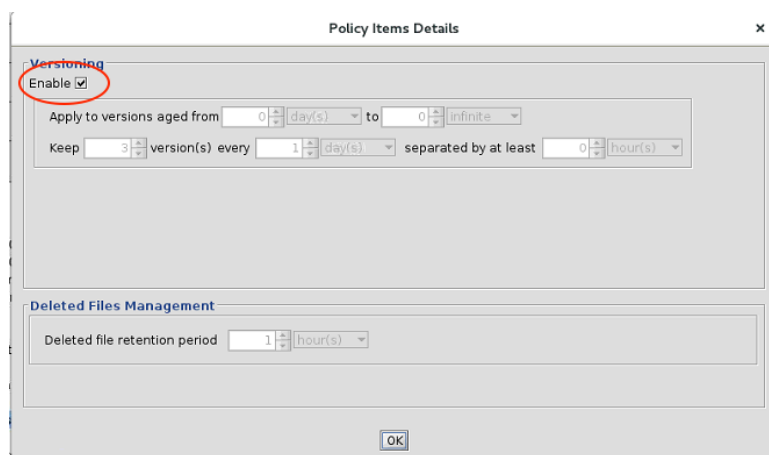
Support of UTF-8-BOM heading in the MD5 reference file.

AC-4534

Fix profil checking for tape import (System administrator is required for this operation)

AC-4523

The “enable” checkbox of the detail of an history policy is consistent with the definition of the policy.



AC-4484

The bundle Explorer GUI allows the use of network drives for destination in "copy selection" menu.

AC-4367

Fix SNMP “acNodeTable” information be retrieving the published values from each node.

AC-3399

In the admin GUI, the “Delete” button in the tape list of a tape pool is disabled if no tape is selected.

Version history

AC 6.6.0.9	28/12/2023	Hot fix : fix NPE in acarchive
AC 6.6.0.8	10/10/2023	Hot fix : Fix renaming file with SMB2.
AC 6.6.0.7	07/09/2023	Hot fix : Add destaginf timeout
AC 6.6.0.6	31/07/2023	Hot fix : fix pending cloud archive file list
AC 6.6.0.5	04/07/2023	Hot fix : fix file closing with NFS
AC 6.6.0.4	16/06/2023	Hot fix : memory leaks with NFS
AC 6.6.0.3	10/05/2023	Hot fix : NTLM authentication
AC 6.6.0.2	04/04/2023	Hot fix : NTLM authentication
AC 6.6.0.1	03/03/2023	Hot fix : NTLM authentication
AC 6.6.0.0	16/01/2023	Major version : LTO9 support
AC 6.5.0.6	14/10/2022	Hot fix : SMB authentication
AC 6.5.0.5	23/09/2022	Hot fix : Tape drive cleaning
AC 6.5.0.4	11/08/2022	Hot fix : polluting log with HP LTO7 drive
AC 6.5.0.3	27/07/2022	Hot fix : HTP LTO8 drive detection
AC 6.5.0.2	30/05/2022	Hot fix : Fix catalog corruption
AC 6.5.0.1	05/05/2022	Hot fix : Fix file data size
AC 6.5.0.0	29/04/2022	Major version : SMB2, RHEL 8
AC 6.4.0.3	22/02/2022	Hot fix : compatibility with acapi
AC 6.4.0.2	27/01/2022	Hot fix : deadlock
AC 6.4.0.1	06/12/2021	Hot Fix : cloud license checker
AC 6.4.0.0	10/11/2021	Major version : Cloud Filesystem
AC 6.2.0.7	22/02/2022	Hot fix : compatibility with acapi
AC 6.2.0.6	26/10/2021	Hot fix : NPE
AC 6.2.0.5	15/10/2021	Hot fix : deadlocks and others
AC 6.2.0.4	17/06/2021	Hot fix : fix missing pack management for shared disk pool
AC 6.2.0.3	25/05/2021	Major version : miscellaneous enhancements
AC 6.1.0.1	09/06/2021	Hot fix : FTP fix "Too many open files"
AC 6.1.0.0	22/12/2020	Major version : s3 support for cloud provider
AC 6.0.0.1	26/11/2020	Hot fix : temprarory fix for AD authentication with SMB2
AC 6.0.0.0	16/11/2020	Major version : Variable pack size

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