



Ahsay Cloud Backup Suite v7

Unofficial Hotfix Deployment Guide

Ahsay Systems Corporation
Limited

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Revision History

Date	Descriptions	Type of modification
Oct 20, 2016	First Draft	New
Oct 27, 2016	Added Chapter 2.1	Modification

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1 Download the Unofficial Hotfix Files

Perform the following steps to download the Ahsay unofficial hotfix files.

1.1 Download and Install the AhsayCBS Unofficial Hotfix Files (Optional)

1. Download the unofficial hotfix files at

<http://ahsay-dn.ahsay.com/unofficial/7/latest/index.html>

Note: Page may be blank if there is no unofficial hotfix available for the latest stable release.

2. Under **Download and Install**, click **Instructions for AhsayCBS**.
3. Refer to the instruction provided on the page to download and install the unofficial hotfix on your AhsayCBS.

Note: This step is optional. You do not need to patch the AhsayCBS server to the latest unofficial hotfix release in order to deploy the unofficial hotfix onto the AhsayOBM / ACB client agents.

If you choose not to patch the AhsayCBS server to the latest unofficial hotfix release; make sure that your AhsayCBS server is running on the latest stable release version at the minimal.

1.2 Download the AhsayOBM / AhsayACB Unofficial Hotfix Files

1. Download the unofficial hotfix at

<http://ahsay-dn.ahsay.com/unofficial/7/latest/index.html>

Note: Page may be blank if there is no unofficial hotfix available for the latest stable release.

2. Under **Download and Install**, click **Instructions for AhsayOBM / AhsayACB**.
3. Download the unofficial hotfix files for AhsayOBM / ACB for all operating system platforms.
 - obc-win-hotfix.zip
 - obc-mac-hotfix.zip
 - obc-nix-hotfix.zip

Note: The unofficial hotfix files for AhsayOBM and AhsayACB on the same operating system platforms are the same.

4. Copy the AhsayOBM / ACB unofficial hotfix files to the AhsayCBS server to be deployed.

For example

Create a folder "unofficial-hotfix" under the AhsayCBS installation folder:

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-win-hotfix.zip

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-mac-hotfix.zip

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-nix-hotfix.zip

or

/usr/local/cbs/unofficial-hotfix/obc-win-hotfix.zip

*/usr/local/cbs/**unofficial-hotfix**/obc-mac-hotfix.zip*

*/usr/local/cbs/**unofficial-hotfix**/obc-nix-hotfix.zip*

2 Prepare the Component Files for Deployment

Perform the following steps to

- Install the AhsayOBM / ACB unofficial hotfix to client agents via Auto Update (AUA).
- Bundle the unofficial hotfix to the client installers on the AhsayCBS client download page.

2.1 Backup the AhsayOBM / ACB installation files

Before deploying the unofficial hotfix files, backup the existing AhsayOBM / ACB installation files on the AhsayCBS server.

1. Make a copy of the "download" and "build" folders within the AhsayCBS installation path.

For example

`C:\Program Files\AhsayCBS\BACKUP_build`

or

`/usr/local/cbs/BACKUP_build`

and

`C:\Program Files\AhsayCBS\BACKUP_download`

or

`/usr/local/cbs/BACKUP_download`

2.2 Extract the Unofficial Hotfix Files

1. Extract the AhsayOBM / ACB unofficial hotfix files in separate folders.

- obc-win-hotfix.zip
- obc-mac-hotfix.zip
- obc-nix-hotfix.zip

For example, if you have copied the unofficial hotfix files to the "unofficial-hotfix" folder (refer to [Section 1.2](#)) the files should be extracted at

`C:\Program Files\AhsayCBS\unofficial-hotfix\obc-win-hotfix*`

`C:\Program Files\AhsayCBS\unofficial-hotfix\obc-mac-hotfix*`

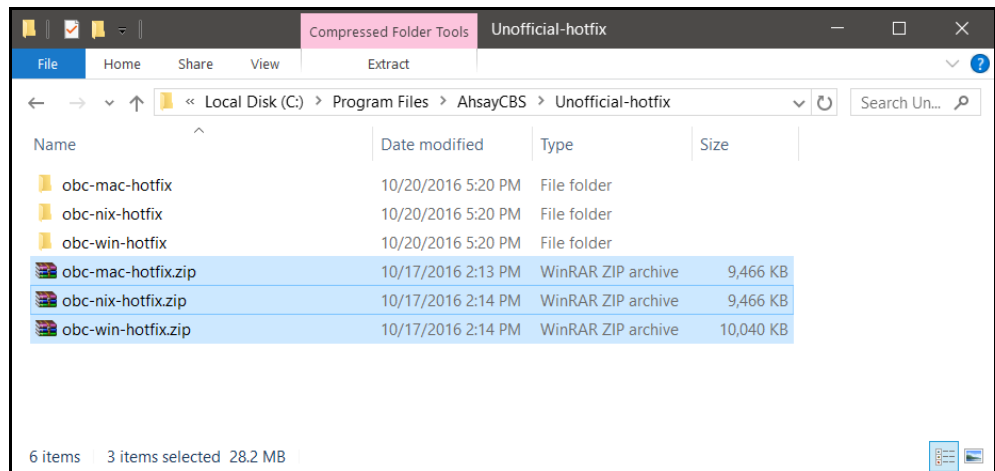
`C:\Program Files\AhsayCBS\unofficial-hotfix\obc-nix-hotfix*`

or

`/usr/local/cbs/unofficial-hotfix/obc-win-hotfix/*`

`/usr/local/cbs/unofficial-hotfix/obc-mac-hotfix/*`

`/usr/local/cbs/unofficial-hotfix/obc-nix-hotfix/*`



2.3 Prepare the Component Files

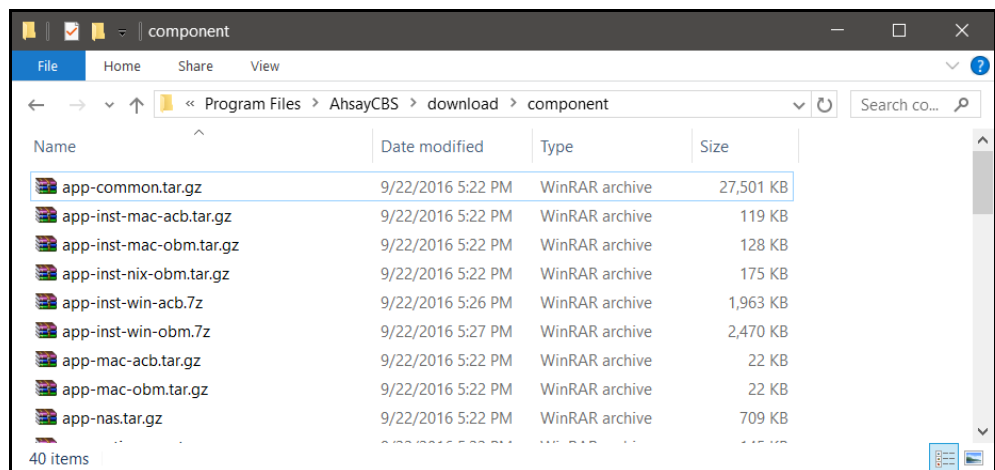
1. Browse to the "download" folder within the AhsayCBS installation path.
2. Open the "component" folder afterward.

For example

C:\Program Files\AhsayCBS\download\component

or

/usr/local/cbs/download/component



3. For all files extracted from the unofficial hotfix zip

For example

*C:\Program Files\AhsayCBS\unofficial-hotfix\obc-win-hotfix**

*C:\Program Files\AhsayCBS\unofficial-hotfix\obc-mac-hotfix**

*C:\Program Files\AhsayCBS\unofficial-hotfix\obc-nix-hotfix**

or

*/usr/local/cbs/unofficial-hotfix/obc-win-hotfix/**

*/usr/local/cbs/unofficial-hotfix/obc-mac-hotfix/**

*/usr/local/cbs/unofficial-hotfix/obc-nix-hotfix/**

Copy each file (e.g. cb.jar, cbs.jar ... etc.) into the corresponding component file (e.g. app-common.tar.gz, app-inst-win-obm.7z ... etc.).

Note: You may need to download a 3rd-party tool such as 7-Zip in order to manage content of the component files (e.g. *.7z or *.tar.gz).

Alternatively, you can also extract the component files, copy the corresponding files from the extracted unofficial hotfix, and then re-package the component files again in the correct zip format (e.g. *.7z or *.tar.gz) afterward.

Refer to the following table to determine the corresponding component file to copy each extracted hotfix file to.

Files in unofficial hotfix zip	Copy to component file
bin\cb.jar bin\cbs.jar bin\help\en*.html bin\help\lib*.* bin\help\zh_CN*.html bin\help\zh_TW*.html	app-common.tar.gz
bin\RunCB.sh bin\RunConfiguration.sh bin\RunRestore.sh bin\uninstall.sh bin\StopScheduler.sh	app-inst-mac-acb.tar.gz
bin\RunCB.sh bin\RunConfiguration.sh bin\RunRestore.sh bin\uninstall.sh bin\StopScheduler.sh	app-inst-mac-obm.tar.gz
bin\RunCB.sh bin\RunConfiguration.sh bin\scheduler-bsd bin\RunRestore.sh bin\scheduler bin\uninstall.sh	app-inst-nix-obm.tar.gz
bin\X86\RunAsCmd32.exe bin\X64\RunAsCmd64.exe bin\cbIsX64.exe bin\cbIsX86.exe bin\cbsX64.dll bin\cbsX86.dll bin\FileSysUtilWinX64.dll bin\FileSysUtilWinX86.dll bin\LotusBMWWinX64.dll bin\LotusBMWWinX64.exe	app-inst-win-acb.7z

bin\LotusBMWinX86.dll bin\LotusBMWinX86.exe bin\LotusJNlWinX64.dll bin\LotusJNlWinX86.dll bin\LotusNotesWrapper.exe bin\msvc120.dll bin\msvcr120.dll bin\Service.exe bin\shwcpy2k332.dll bin\shwcpy2k364.dll bin\shwcpyxp32.dll bin\shwcpyxp64.dll bin\SystemTray.exe bin\SystemTray64.exe bin\WinUtil32.dll bin\WinUtil64.dll util\bin\EventLogRes.dll	
bin\X64\RunAsCmd64.exe bin\X86\RunAsCmd32.exe bin\cbpsX64.exe bin\cbpsX86.exe bin\cbsX64.dll bin\cbsX86.dll bin\CBTClusterService.exe bin\CBTFilter.inf bin\CBTFilter.sys bin\ChangeBlockTracking.dll bin\FileSysUtilWinX64.dll bin\FileSysUtilWinX86.dll bin\FSRedirector.dll bin\FSRedirector.inf bin\FSRedirector.sys bin\HypervTools.exe bin\LotusBMWinX64.dll bin\LotusBMWinX64.exe bin\LotusBMWinX86.dll bin\LotusBMWinX86.exe bin\LotusJNlWinX64.dll bin\LotusJNlWinX86.dll bin\LotusNotesWrapper.exe bin\MAPIWrapper.exe bin\MAPIWrapper2010.exe bin\MSCluster64.dll bin\MSExchnagePS32.dll bin\MSExchangePS64.dll bin\MSHyperV64.dll bin\MSMailJNl32.dll bin\MSMailJNl64.dll bin\MSMailJNl201032.dll bin\MSMailJNl201064.dll bin\mssql32.dll bin\mssql64.dll bin\msvc120.dll bin\msvcr120.dll bin\Service.exe bin\shwcpy2k332.dll bin\shwcpy2k364.dll bin\shwcpyxp32.dll bin\shwcpyxp64.dll bin\SystemTray.exe bin\SystemTray64.exe bin\VMCmd.exe bin\VSSDatabaseBackup32.dll	app-inst-win-obm.7z

bin\VSSDatabaseBackup64.dll bin\WinUtil32.dll bin\WinUtil64.dll util\bin\EventLogRes.dll	
bin\Scheduler.sh bin\Restore.sh bin\RunDataIntegrityCheck.sh bin\SetOwner.sh bin\taskkill	app-mac-acb.tar.gz
bin\Scheduler.sh bin\Restore.sh bin\RunDataIntegrityCheck.sh bin\SetOwner.sh bin\taskkill	app-mac-obm.tar.gz
bin\WuiService.sh bin\Scheduler.sh bin\install.sh	app-nas.tar.gz
bin\libFileSysUtilMacAll.jnilib bin\libMacUtilMacAll.jnilib	app-native-mac.tar.gz
bin\libFileSysUtilLinAhf.so bin\libFileSysUtilLinArm.so bin\libFileSysUtilLinSpc.so bin\libFileSysUtilSosSp9.so bin\libFileSysUtilSosSpc.so bin\libNixUtilLinAhf.so bin\libNixUtilLinArm.so bin\libNixUtilLinSpc.so bin\libNixUtilLinSp9.so bin\libNixUtilLinSpc.so	app-native-nix-others.tar.gz
bin\libFileSysUtilFbdX64.so bin\libFileSysUtilLinP64.so bin\libFileSysUtilLinX64.so bin\libFileSysUtilObdX64.so bin\libFileSysUtilSosX64.so bin\libLotusBMLinX64.so bin\libLotusJNLinX64.so bin\libNixUtilFbdX64.so bin\libNixUtilLinP64.so bin\libNixUtilLinX64.so bin\libNixUtilObdX64.so bin\libNixUtilSosX64.so bin\LotusBMLinX64 bin\VMCmd64	app-native-nix-x64.tar.gz
bin\libFileSysUtilFbdX86.so bin\libFileSysUtilLinPpc.so bin\libFileSysUtilLinX86.so bin\libFileSysUtilObdX86.so bin\libFileSysUtilSosX86.so bin\libLotusBMLinX86.so bin\libLotusJNLinX86.so bin\libNixUtilFbdX86.so	app-native-nix-x32.tar.gz

bin\libNixUtilLinPpc.so bin\libNixUtilLinX86.so bin\libNixUtilObdX86.so bin\libNixUtilSosX86.so bin\LotusBMLinX86 bin\VMCmd32	
bin\X64\NfsJNI.dll bin\X64\VddkJNI.dll bin\X86\NfsJNI.dll bin\X86\VddkJNI.dll	app-native-win-obm.7z
bin\config.sh bin\DominoRecover.sh bin\install.sh bin>ListBackupJob.sh bin>ListBackupSet.sh bin>ListBackupSetFiles.sh bin\notesenv bin\Restore.sh bin\RunBackupSet.sh bin\RunDataIntegrityCheck.sh bin\RunLotusBackup.sh bin\Scheduler.sh bin\SetOwner.sh bin\shortcut.sh bin\StopScheduler.sh bin\UpdateOracleRmanRecords.sh	app-nix-obm-tar.gz
bin\DominoRecover.bat bin\InstallCBTClusterService.bat bin\InstallCBTFilter.bat bin\InstallFSRedirector.bat bin\Restore.bat bin\Run-Scheduler.bat bin\RunBackupSet.bat bin\RunCB.bat bin\RunConfigurator.bat bin\RunDataIntegrityCheck.bat bin\RunRestore.bat bin\UninstallCBTClusterService.bat bin\UninstallCBTFilter.bat bin\UninstallFSRedirector.bat	app-win-obm.7z
bin\Run-Scheduler.bat bin\RunBackupSet.bat bin\RunCB.bat bin\RunConfigurator.bat bin\RunDataIntegrityCheck.bat bin\RunRestore.bat	app-win.7z
aua\lib\aua.jar	aua-common.tar.gz
aua\startUpdate.sh aua\lib\AuaRes_*.properties	aua-inst-mac-acb.tar.gz
aua\startUpdate.sh	aua-inst-mac-obm.tar.gz

<p>aua\lib\AuaRes_*.properties</p>	
<p>aua\lib\AuaRes_*.properties</p>	<p>aua-inst-nix-obm.tar.gz</p>
<p>aua\lib\AuaRes_*.properties aua\lib\WinUtil64.dll aua\lib\WinUtil32.dll aua\lib\FileSysUtilWinX64.dll aua\lib\FileSysUtilWinX86.dll aua\bin\Aua.exe aua\bin\Sleep.exe</p>	<p>aua-inst-win-acb.7z</p>
<p>aua\lib\AuaRes_*.properties aua\lib\WinUtil64.dll aua\lib\WinUtil32.dll aua\lib\FileSysUtilWinX64.dll aua\lib\FileSysUtilWinX86.dll aua\bin\Aua.exe aua\bin\Sleep.exe</p>	<p>aua-inst-win-obm.7z</p>
<p>aua\lib\libMacUtilMacAll.jnilib aua\lib\libFileSysUtilMacAll.jnilib</p>	<p>aua-native-mac.tar.gz</p>
<p>aua\lib\libFileSysUtilLinArm.so aua\lib\libFileSysUtilLinSpc.so aua\lib\libFileSysUtilSosSp9.so aua\lib\libFileSysUtilSosSpc.so aua\lib\libNixUtilLinArm.so aua\lib\libNixUtilLinSpc.so aua\lib\libNixUtilSosSp9.so aua\lib\libNixUtilSosSpc.so</p>	<p>aua-native-nix-others.tar.gz</p>
<p>aua\lib\libFileSysUtilFbdX64.so aua\lib\libFileSysUtilLinP64.so aua\lib\libFileSysUtilLinX64.so aua\lib\libFileSysUtilObcX64.so aua\lib\libFileSysUtilSosX64.so aua\lib\libNixUtilFbdX64.so aua\lib\libNixUtilLinP64.so aua\lib\libNixUtilLinX64.so aua\lib\libNixUtilObdX64.so aua\lib\libNixUtilSosX64.so</p>	<p>aua-native-nix-x64.tar.gz</p>
<p>aua\lib\libFileSysUtilFbdX86.so aua\lib\libFileSysUtilLinPpc.so aua\lib\libFileSysUtilLinX86.so aua\lib\libFileSysUtilObdX86.so aua\lib\libFileSysUtilSosX86.so aua\lib\libNixUtilFbdX86.so aua\lib\libNixUtilLinPpc.so aua\lib\libNixUtilLinX86.so aua\lib\libNixUtilObdX86.so aua\lib\libNixUtilSosX86.so</p>	<p>aua-native-nix-x86.tar.gz</p>
<p>aua\startUpdate.sh aua\update.sh</p>	<p>aua-nix-obm.tar.gz</p>

aua\bin\RestartSystemTray.bat	aua-win-obm.7z
aua\bin\RestartSystemTray.bat	aua-win.7z
nfs\bin\InstallService.bat nfs\bin\nfsX64.exe nfs\bin\nfsX86.exe nfs\bin\Query.bat nfs\bin\Service.exe nfs\bin\ShutdownService.bat nfs\bin\StartupService.bat nfs\bin\Test.bat nfs\bin\UninstallService.bat	nfs-inst-win-obm.7z

Note: Depending on the fixes / enhancements included in each unofficial hotfix release, the hotfix zip files may not contain all files listed in the mapping table.

Important: Refer to the following examples to ensure that you understand the process.

Failure to correctly prepare the component files may lead to malfunction to the client installation / upgrade process.

Example 1

The following files are extracted from the "obc-win-hotfix.zip" file

(Assuming that you have copied and extracted the unofficial hotfix files to the "unofficial-hotfix" folder (refer to [Section 1.2](#)))

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-win-hotfix\bin\cb.jar

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-win-hotfix\bin\cbs.jar

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-win-hotfix\bin\VSSDatabaseBackup32.dll

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-win-hotfix\bin\VSSDatabaseBackup64.dll

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-win-hotfix\bin\WinUtil32.dll

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-win-hotfix\bin\WinUtil64.dll

Referring to the mapping table

Files in unofficial hotfix zip	Copy to component file
bin\cb.jar bin\cbs.jar bin\help\en*.html bin\help\lib*. * bin\help\zh_CN*.html bin\help\zh_TW*.html	app-common.tar.gz

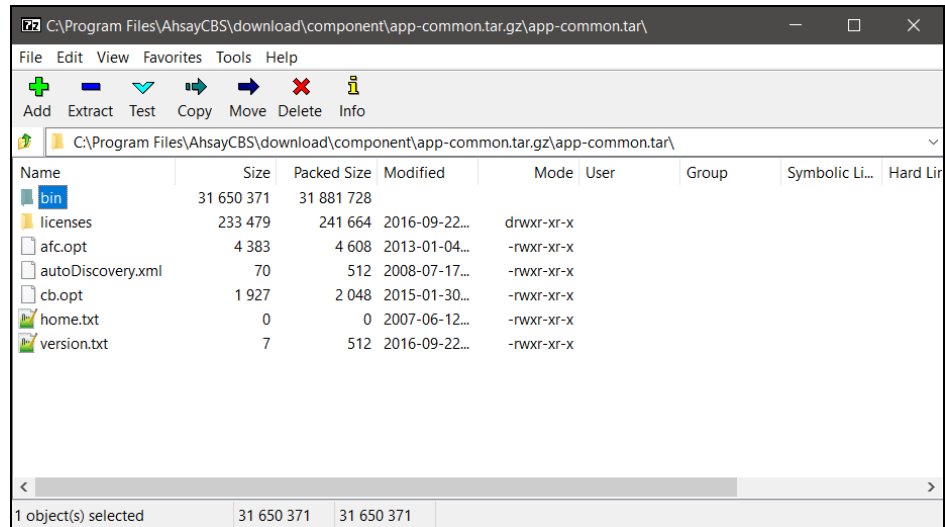
The following files

- cb.jar
- cbs.jar

Must be copied into the bin folder within the app-common.tar.gz file.

Important: Make sure that the folder structure of the extracted files and the folder structure within the component file remain the same.

1. Open the app-common.tar.gz component file with 7-zip File Manager.



2. Browse to the bin folder.
3. Copy the cb.jar and cbs.jar files from

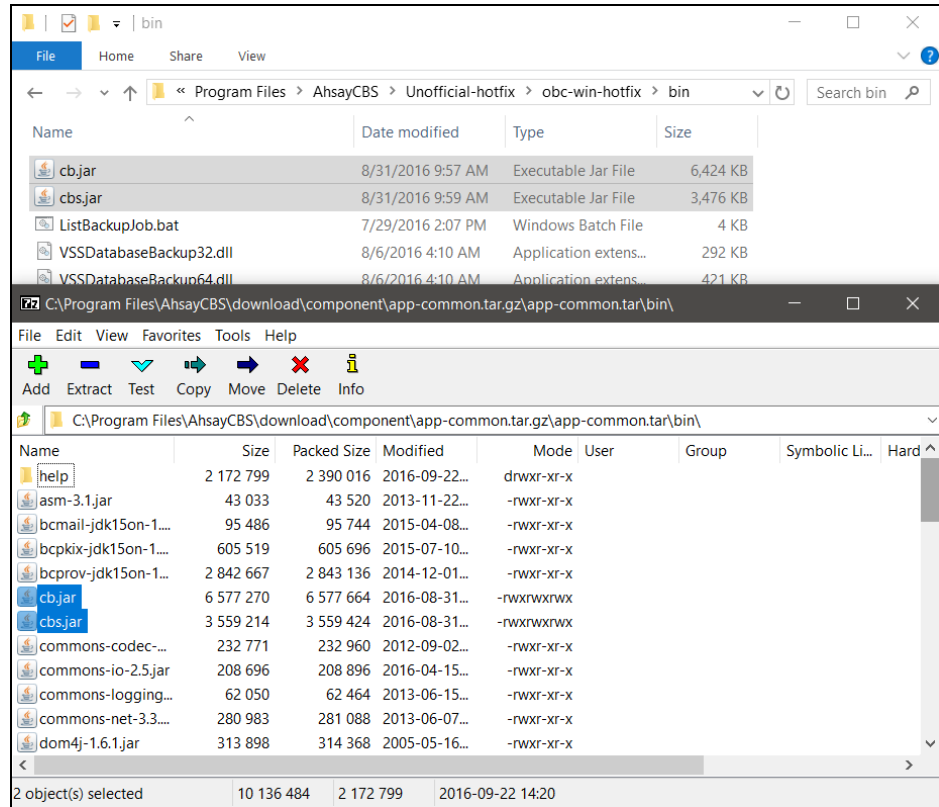
C:\Program Files\AhsayCBS\unofficial-hotfix\obc-win-hotfix\bin\cb.jar

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-win-hotfix\bin\cbs.jar

to

app-common.tar.gz\bin\cb.jar

app-common.tar.gz\bin\cbs.jar



Continue with the rest of the files extracted from the "obc-win-hotfix.zip" file

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-win-hotfix\bin\VSSDatabaseBackup32.dll

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-win-hotfix\bin\VSSDatabaseBackup64.dll

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-win-hotfix\bin\WinUtil32.dll

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-win-hotfix\bin\WinUtil64.dll

Referring to the mapping table

Files in unofficial hotfix zip	Copy to component file
... bin\SystemTray.exe bin\SystemTray64.exe bin\VMCmd.exe bin\VSSDatabaseBackup32.dll bin\VSSDatabaseBackup64.dll bin\WinUtil32.dll ...	app-inst-win-obm.7z

The following files

- VSSDatabaseBackup32.dll
- VSSDatabaseBackup64.dll

Must be copied into the bin folder within the app-inst-win-obm.7z file.

Referring to the mapping table

Files in unofficial hotfix zip	Copy to component file
... bin\VSSDatabaseBackup64.dll bin\WinUtil32.dll bin\WinUtil64.dll util\bin\EventLogRes.dll ...	app-inst-win-obm.7z

The following files

- WinUtil32.dll
- WinUtil64.dll

Must be copied into the bin folder within the app-common.tar.gz file.

Example 2

The following files are extracted from the "obc-nix-hotfix.zip" file

(Assuming that you have copied and extracted the unofficial hotfix files to the "unofficial-hotfix" folder (refer to [Section 1.2](#)))

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-nix-hotfix\bin\cb.jar

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-nix-hotfix\bin\cbs.jar

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-nix-hotfix\bin>ListBackupSet.sh

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-nix-hotfix\bin\RunCB.sh

Referring to the mapping table

Files in unofficial hotfix zip	Copy to component file
bin\cb.jar bin\cbs.jar bin\help\en*.html bin\help\lib*. bin\help\zh_CN*.html bin\help\zh_TW*.html	app-common.tar.gz

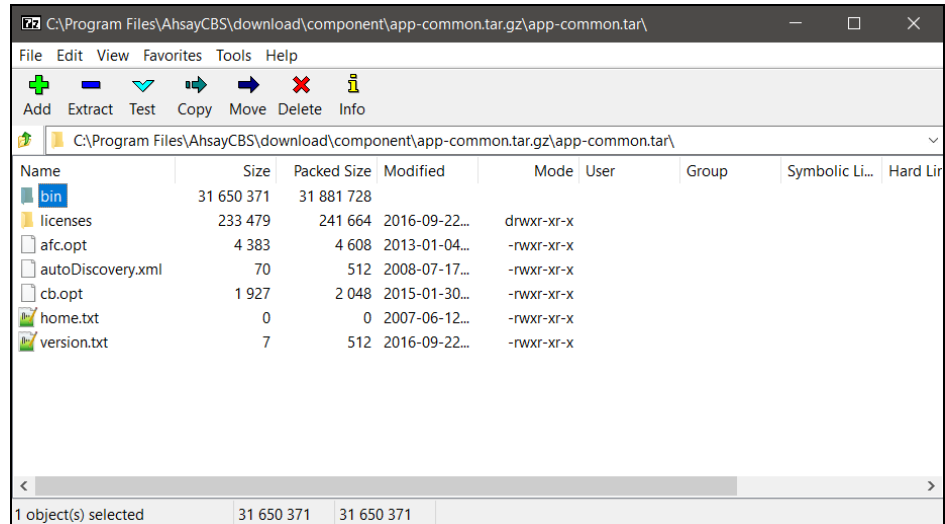
The following files

- cb.jar
- cbs.jar

Must be copied into the bin folder within the app-common.tar.gz file.

Important: Make sure that the folder structure of the extracted files and the folder structure within the component file remain the same.

1. Open the app-common.tar.gz component file with 7-zip File Manager.



2. Browse to the bin folder.
3. Copy the cb.jar and cbs.jar files from

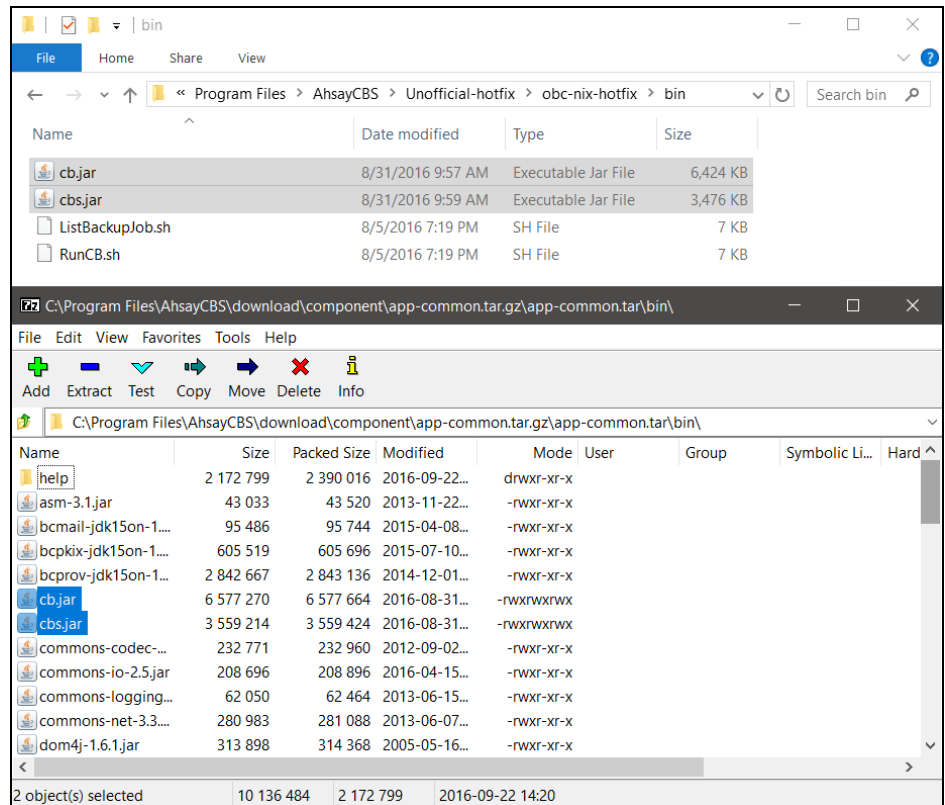
C:\Program Files\AhsayCBS\unofficial-hotfix\obc-nix-hotfix\bin\cb.jar

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-nix-hotfix\bin\cbs.jar

to

app-common.tar.gz *bin\cb.jar*

app-common.tar.gz *bin\cbs.jar*



Continue with the rest of the files extracted from the "obc-nix-hotfix.zip" file

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-nix-hotfix\bin\RunCB.sh

C:\Program Files\AhsayCBS\unofficial-hotfix\obc-nix-hotfix\bin>ListBackupSet.sh

Referring to the mapping table

Files in unofficial hotfix zip	Copy to component file
... bin\config.sh bin\DominoRecover.sh bin\install.sh bin>ListBackupJob.sh bin>ListBackupSet.sh bin>ListBackupSetFiles.sh ...	app-nix-obm-tar.gz

The following file

- ListBackupSet.sh

Must be copied into the bin folder within the app-nix-obm-tar.gz file.

Referring to the mapping table

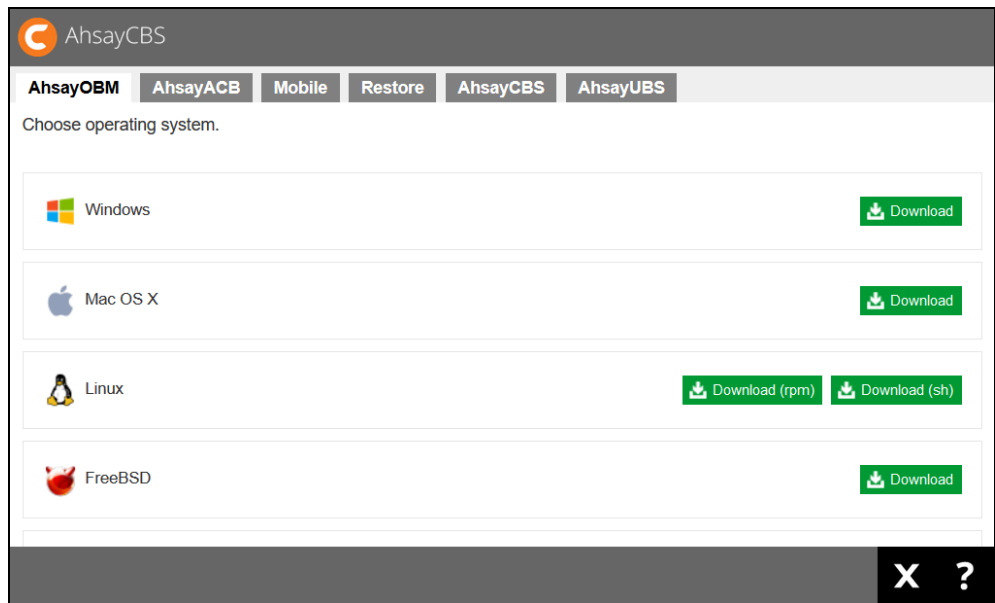
Files in unofficial hotfix zip	Copy to component file
bin\RunCB.sh bin\RunConfiguration.sh bin\scheduler-bsd bin\RunRestore.sh bin\scheduler bin\uninstall.sh	app-inst-nix-obm.tar.gz

The following file

- RunCB.sh

Must be copied into the bin folder within the app-inst-nix-obm.tar.gz file.

4. After copying all files from the extracted unofficial hotfix folder to the corresponding component files, AhsayOBM / ACB installation files downloaded from the AhsayCBS web console will contain the unofficial hotfix.



2.4 Enable Auto Update (AUA) (If Necessary)

Upgrade all client agents to the unofficial hotfix release automatically with Auto Update (AUA).

- To auto update all client agents to the unofficial hotfix version in stages, refer to the instruction provided in the Best Practice Upgrade and Data Migration Guide (Section 1.8).

https://ahsay.com/download/download_document_cbs-upgrade-key-steps.jsp

- Alternatively, to manually update client agents to the unofficial hotfix version, simply refer to the following URL for instruction:

<http://ahsay-dn.ahsay.com/unofficial/7/latest/index.html>

3 Technical Assistance

To contact Ahsay support representatives for technical assistance, visit the following website:

<https://www.ahsay.com/jsp/en/contact/kbQuestion.jsp>

Also use the Ahsay Knowledge Base for resource such as Hardware Compatibility List, Software Compatibility List, and other product information:

<https://forum.ahsay.com>

4 Documentation

Documentations for all Ahsay products are available at:

https://www.ahsay.com/jsp/en/home/index.jsp?pageContentKey=ahsay_downloads_documentation_guides

You can send us suggestions for improvements or report on issues in the documentation, by contacting us at:

<https://www.ahsay.com/jsp/en/contact/kbQuestion.jsp>

Please specify the specific document title as well as the change required/suggestion when contacting us.