ARCsolo for Windows 95
Release Notes

Contents

This document contains information on the following topics:

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I.   Installation

1.   <u>Setup ARCsolo</u>

1.1   Run SETUP.EXE on Disk 1. You will be asked for a directory to install ARCsolo for Windows 95. For this
example, we will use the directory C:\Program Files\Cheyenne\ARCsolo.

1.2   Setup will create the directory on your Windows 95 computer as well as the following subdirectories:

> C:\Program Files\Cheyenne\ARCsolo\Database
> C:\Program Files\Cheyenne\ARCsolo\DR
> C:\Program Files\Cheyenne\ARCsolo\Log
> C:\Program Files\Cheyenne\ARCsolo\System
> C:\Program Files\Cheyenne\ARCsolo\Temp
> C:\Program Files\Cheyenne\Common

1.3   ARCsolo uses the Windows 95 Registry to record its configuration.

1.4   For proper operation of the ARCsolo components, the software must be installed to the local machine and also run
from the same local machine. The software may not function properly when run from another machine via a drive
connection.

2.   <u>Run ARCsolo</u>

2.1   To start the ARCsolo Manager, click on the ARCsolo icon in the ARCsolo program group or enter the following
command:

```
start arcsolo
```

2.2   The ARCsolo Engine can be started each time you start Windows 95, or the first time you start the ARCsolo
Manager. If the engine does not start when you start the manager, click on the ARCsolo Engine in the ARCsolo
program group or enter the following command:

```
start asengine
```

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II.   Features

1.   ARCsolo Engine

1.1   The ARCsolo Engine operates in the background to provide database, tape and job scheduling features. The engine can be automatically started by placing its icon in the Startup group.

1.2   The ARCsolo Engine is shown as a tape icon in the Windows 95 tray. The user can use the right mouse button to bring up the engine's menu.

2.   ARCsolo Manager

2.1   For Novell NetWare file servers, files and directories are backed up and restored as Windows 95 files and directories; the Novell attributes, owner and trustee assignments are not preserved.

2.2   ARCsolo will prompt the user for user names and passwords when submitting a job that includes remote resources (domains, servers or shares). ARCsolo will access the remote resources using these accounts if there is no current connection to the resource at the time the job runs.

When you specify the account to use, it may be necessary to distinguish between two accounts with the same name (such as Administrator) by indicating where Windows 95 can find this account. To do this, specify the domain or machine that the account is part of as *domain_name\user_name* or *machine_name\user_name*. As an example, for a domain named NTDEV containing a workstation named ENGINEER, the respective administrators are

> **NTDEV\Administrator**
> **ENGINEER\Administrator**

3.   ARCsolo Configuration

ARCsolo allows the user to customize the product by adding or modifying settings in the Windows 95 Registry. While the more common settings can be set using the ARCsolo Server Admin, there are additional settings that can be set by using the Windows 95 REGEDIT utility. ARCsolo's settings are listed in the HKEY_LOCAL_MACHINE window under the following key:

> **SOFTWARE\Cheyenne\ARCsolo\CurrentVersion**

3.1   Several optional settings are provided for the ARCsolo Manager under the **ASMgr** key:

bAutoStartEngines
> Set bAutoStartEngines:REG_DWORD:0 (FALSE) to prevent the Manager from automatically starting the ARCsolo engines when the Manager is started. The default is 1 (TRUE). This option can also be set in the Manager's File menu.

bSkipSplashScreen
> Set bSkipSplashScreen:REG_DWORD:1 (TRUE) to prevent the Manager from displaying the splash screen while it is loading. The default is 0 (FALSE).

3.2   Several optional settings are provided for tasks under the **Task\Common** key:

EOJTimeout
> Set EOJTimeout:REG_DWORD:0 to prevent jobs from automatically closing the results message at the end of the job. The default is 20 seconds.

NotifyTimeout
> Set NotifyTimeout:REG_DWORD:0 to prevent scheduled jobs from automatically closing any notification messages. The default is 30 seconds.

ResponseTimeout

Set ResponseTimeout:REG_DWORD:0 to prevent scheduled jobs from automatically answering any messages that require a response. The default is 60 seconds.

Sound

Set Sound:REG_DWORD:0 to turn off the sound that accompanies any message that the job displays. The default is 1 (TRUE).

3.3   Several optional settings are provided for backup tasks under the **Task\Backup** key:

DOSFormat

Set DOSFormat:REG_DWORD:1 (TRUE) to have BACKUP write FAT volumes to tape as MS-DOS sessions. Normally, FAT volumes are written to tape as Windows 95 sessions. This option makes it possible for older versions of ARCserve and ARCsolo to read and restore these sessions. The default is 0 (FALSE).

ResetAccessTime

Set ResetAccessTime:REG_DWORD:0 (FALSE) to prevent BACKUP from resetting the date and time the file was last accessed each time a file is backed up.   The default is 1 (TRUE).

SkipBigFiles

Set SkipBigFiles=0 (FALSE) to prevent BACKUP from skipping files that are larger than 2 gigabytes in size. The default is 1 (TRUE).

3.4   Several optional settings are provided for copy tasks under the **Task\Copy** key:

OverwriteFiles

Set OverwriteFiles:REG_DWORD:1 (TRUE) to allow COPY to overwrite existing files if "Confirm Overwrite" is selected and the job is scheduled. The default is 0 (FALSE).

ResetAccessTime

Set ResetAccessTime:REG_DWORD:0 (FALSE) to prevent COPY from resetting the date and time the file was last accessed each time a file is copied.   The default is 1 (TRUE).

VerifyTarget

Set VerifyTarget:REG_DWORD:0 (FALSE) to prevent COPY from checking that the destination drive or volume exists. The default is 1 (TRUE). Some workgroup networks have been found that incorrectly fail this test.

3.5   Several optional settings are provided for restore tasks under the **Task\Restore** key:

ActiveFiles

Set ActiveFiles:REG_DWORD:1 (TRUE) to allow RESTORE to restore active files on the local machine. Normally, if RESTORE encounters any files that are currently in use, such as the Windows 95 system files, the file is skipped. To restore an active file, the program will create a second copy of the file and attempt to replace the file the next time the computer is started. The default is 0 (FALSE).

Note: Replacing active files is only possible on the local machine. Active files on remote machines are always skipped.

OverwriteFiles

Set OverwriteFiles:REG_DWORD:1 (TRUE) to allow RESTORE to overwrite existing files if "Confirm Overwrite" is selected and the job is scheduled. The default is 0 (FALSE).

VerifyTarget

Set VerifyTarget:REG_DWORD:0 (FALSE) to prevent RESTORE from checking that the destination drive or volume exists. The default is 1 (TRUE). Some workgroup networks have been found that incorrectly fail this test.

4.   <u>Job Logs</u>

ARCsolo includes job logs to list the files and directories processed by each job. Each file or directory includes its type, name, size (for files), date and time modified, and attributes. The file types are listed as a single character that precedes the name of the file; the attributes are listed after the date and time modified.

4.1 The following table lists the file types when comparing tape to disk.

<Blank> Match
S   Size is different
D   Data is different
T   date and/or Time is different
A   Attributes are different
F   cannot Find file or directory on disk
I   file on tape is mark as Invalid

4.2 The following table lists the attributes for files and directories.

R   Read Only
H   Hidden
S   System
D   Directory
A   Archive
N   Normal
T   Temporary

5. <u>Disaster Recovery</u>

5.1 ARCsolo includes a Disaster Recovery module that can be used to restore files to your hard disks without re-installing Windows 95 or ARCsolo itself. To use the Recovery feature, create a Recovery disk for your computer **and** update the recovery disk after any full backup of your computer.

Note: the Recovery disk requires the real-mode DOS ASPI driver for your SCSI adapter.

5.2 The Recovery module (RECOVER.EXE) can be used in one of two modes. In Fast mode, you should re-format any disk drives you plan to recover. Recover will restore all the files and directories, including their long filenames, in a single pass. Fast mode requires more memory.

Safe mode should be used when there is not enough memory to use Fast mode, or when there are files on the disk you wish to preserve. Recover will restore all the files and directories in the first pass. You must then re-start the computer to bring up Windows 95. The second pass will restore the long filenames. To use Safe mode, start Recover with the **/S** option.

III. Packing List

This section contains a list of the files and locations of a typical ARCsolo installation. A short description of each file and its purpose follows.

\Program Files\Cheyenne\ARCsolo subdirectory

arcsolo.doc   ARCsolo Release Notes
arcsolo.cnt   ARCsolo Manager Help Context
arcsolo.exe   ARCsolo Manager
arcsolo.hlp   ARCsolo Manager Help

asengine.cnt	ARCsolo Engine Help Context
asengine.exe	ARCsolo Engine
asengine.hlp	ARCsolo Engine Help
rds.exe	Raima Database Engine

\Program Files\Cheyenne\ARCsolo\System subdirectory

admin.dll	ARCsolo Admin DLL
asbackup.dll	ARCsolo Backup DLL
ascmd.exe	ARCsolo Command Line Utility
ascompar.dll	ARCsolo Compare DLL
ascopy.dll	ARCsolo Copy DLL
ascore.dll	ARCsolo Core DLL
ascount.dll	ARCsolo Count DLL
asdbcli.dll	ARCsolo Database Client DLL
asdbnt.dll	ARCsolo Database Engine DLL
asem.dll	ARCsolo Database Extension Module DLL
ashell.dll	ARCsolo Shell Extension DLL
aslog.dll	ARCsolo Log DLL
asmerge.dll	ARCsolo Merge Tape DLL
asntset.dll	ARCsolo Setup DLL
aspurge.dll	ARCsolo Purge DLL
asres.dll	ARCsolo Resource DLL
asres2.dll	ARCsolo Resource DLL
asrestor.dll	ARCsolo Restore DLL
asrunjob.exe	ARCsolo Job Runner
asscan.dll	ARCsolo Scan Tape DLL
astape.exe	ARCsolo Tape Engine
astask.dll	ARCsolo Task DLL
asver.exe	ARCsolo Version Utility
avh32dll.dll	InocuLAN Anti-Virus DLL
bdaemon.exe	ARCsolo Database Backup Daemon
cadm32.dll	Raima Database DLL
cdict32.dll	Raima Database DLL
cncp32.dll	Raima Database DLL
cocfg32.dll	Raima Database DLL
codrv32.dll	Raima Database DLL
crdbc32.dll	Raima Database DLL
crdm32.dll	Raima Database DLL
crm32.dll	Raima Database DLL
crpc32.dll	Raima Database DLL
csctrl.dll	Cheyenne Custom Control DLL
csnpnet.dll	Cheyenne Tape Named Pipe DLL
cstool.dll	Cheyenne Tools DLL
dbclean.exe	Cheyenne Database Cleanup Daemon
dbprune.dll	Cheyenne Database Prune DLL
mscomstf.dll	Microsoft Setup DLL
msdetstf.dll	Microsoft Setup DLL
msinsstf.dll	Microsoft Setup DLL
msshlstf.dll	Microsoft Setup DLL
msuilstf.dll	Microsoft Setup DLL
msvcrt20.dll	Microsoft Visual C Runtime 2.0 DLL
recovery.dll	ARCsolo Disaster Recovery DLL
setup.exe	ARCsolo Setup Utility
smnet.dll	Cheyenne Tape Shared Memory DLL
tapeeng.dll	Cheyenne Tape Engine DLL
tapeerr.dll	Cheyenne Tape Error Message DLL
tapelist.dll	Cheyenne Tape List DLL

tapemsg.dll	Cheyenne Tape Message DLL
tapetest.exe	Cheyenne Tape Test Utility
tapeutil.dll	Cheyenne Tape Utility DLL
tpadmin.dll	Cheyenne Tape Admin DLL
tsi.dll	Cheyenne Tape System Interface DLL
udp.dll	Raima Database DLL
validate.dll	Cheyenne Tape Validation DLL
virsig.dat	InocuLAN Virus Signature File
wizard.dll	ARCsolo Wizard DLL
_adm32.dll	Raima Database DLL
_ddlp32.dll	Raima Database DLL
_dict32.dll	Raima Database DLL
_eadm32.dll	Raima Database DLL
_erdm32.dll	Raima Database DLL
_exif32.dll	Raima Database DLL
_ncp32.dll	Raima Database DLL
_rdbc32.dll	Raima Database DLL
_rdm32.dll	Raima Database DLL
_rm32.dll	Raima Database DLL
_rollf32.dll	Raima Database DLL
_rpc32.dll	Raima Database DLL
_sched32.dll	Raima Database DLL
_sddlp32.dll	Raima Database DLL
_sief32.dll	Raima Database DLL
_smem32.dll	Raima Database DLL
_sql32.dll	Raima Database DLL
_sudf32.dll	Raima Database DLL
_sudp32.dll	Raima Database DLL

\Program Files\Cheyenne\DR subdirectory

csi$err.dat	Cheyenne Error Messages
csi$help.dat	Cheyenne Help Messages
csi$msg.dat	Cheyenne Messages
ibm$run.drv	IBM User Interface Driver
$run.drv	Generic User Interface Driver
recover.exe	ARCsolo Recover Utility
recover.tds	ARCsolo Recover Tape Drive Support

\Program Files\Cheyenne\Common subdirectory
cshell.dll	Cheyenne Shell Extension DLL