

4th Dimension[®] XML Keys Backup

Windows[®]/Mac OS[®]

4th Dimension[®]

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4th Dimension

XML Backup Keys

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Overview

The backup and restoring preferences of 4th Dimension are available as a separate XML file. 4th Dimension uses the data of this file to display the options in the Preferences dialog box and whenever a backup or restore operation is launched.

It is possible to get and modify the backup parameters using the XML commands of 4th Dimension or via any XML editor.

The backup and restoring preferences XML file is named **Backup.XML**. It is created automatically at the following location:
DatabaseFolder/Preferences/Backup/Backup.XML

... where **DatabaseFolder** represents the folder containing the structure file of the database. The **Preferences/Backup/** subfolders are created automatically when necessary.

This manual lists the XML keys used in the Backup.XML file. A description is provided for each key, as well as the equivalent option in the Preferences dialog box (where applicable), the values accepted and the default value.

For more information about a specific option, please refer to its description in the *4th Dimension Design Reference* manual.

All the XML keys related to the backup function are found in the Preferences4D / Backup / item.

DataBase

These parameters describe the files related to the database backup and store information concerning the last backup performed.

DatabaseName / Item1

version 2004

/ Preferences4D / Backup / DataBase / DatabaseName / Item1

Values accepted

Complete pathname.

Equivalent option in Preferences

No direct equivalence.

Description

Complete pathname of the database data file expressed with the syntax of the current platform.

LastBackupPath / Item1

version 2004

/ Preferences4D / Backup / DataBase / LastBackupPath / Item1

Values accepted

Complete pathname.

Equivalent option in Preferences

No direct equivalence.

Description

Complete pathname of the last backup file of the database expressed with the syntax of the current platform.

LastBackupLogPath / Item1

version 2004 / Preferences4D / Backup / DataBase / LastBackupLogPath / Item1

Values accepted

Complete pathname.

Equivalent option in Preferences

No direct equivalence.

Description

Complete pathname of the last log backup file of the database expressed with the syntax of the current platform.

CurrentBackupSet / Item1

version 2004 / Preferences4D / Backup / DataBase / CurrentBackupSet / Item1

Values accepted

Number.

Equivalent option in Preferences

No direct equivalence.

Description

Number of the last backup file.

LastBackupDate / Item1

version 2004 / Preferences4D / Backup / DataBase / LastBackupDate / Item1

Values accepted

Date in ISO DateTime (0000-00-00T00:00:00) format.

Equivalent option in Preferences

Page: Backup/Configuration
Group: Last Backup Information.

Description

Date of the last backup.

LastBackupTime / Item1

version 2004

/ Preferences4D / Backup / DataBase / LastBackupTime / Item1

Values accepted

Time.

Equivalent option in Preferences

Page: Backup/Configuration

Group: Last Backup Information.

Description

Time of the last backup.

Settings / Advanced

These parameters can be used to get and set the archive generation options and the database restoring options.

In the *Backup.XML* file, these keys are included in the generic “Settings” item.

AutomaticRestore

version 2004

/ Preferences4D / Backup / Settings / Advanced / AutomaticRestore

Values accepted

True or False. By default: False.

Equivalent option in Preferences

Page: Backup/Restore

Group: Automatic Restore.

Description

Value of the “Restore last backup if database is damaged” option.

AutomaticLogIntegration

version 2004

/ Preferences4D / Backup / Settings / Advanced / AutomaticLogIntegration

Values accepted

True or False. By default: True.

Equivalent option in Preferences

Page: Backup/Restore
Group: Automatic Restore.

Description

Value of the “Integrate last log if database is incomplete” option.

AutomaticRestart

version 2004

/ Preferences4D / Backup / Settings / Advanced / AutomaticRestart

Values accepted

True or False. By default: True.

Equivalent option in Preferences

Page: Backup/Restore
Group: Automatic Restore.

Description

Value of the “Start database after automatic restore” option.

BackupIfDataChange

version 2004

/ Preferences4D / Backup / Settings / Advanced / BackupIfDataChange

Values accepted

True or False. By default: False.

Equivalent option in Preferences

Page: Backup/Backup
Group: General Settings.

Description

Value of the “Backup only if the data file has been modified” option.

CompressionRate

version 2004

/ Preferences4D / Backup / Settings / Advanced / CompressionRate

Values accepted

None, Fast or Compact. By default: None.

Equivalent option in Preferences

Page: Backup/Backup

Group: Archive.

Description

Value of the “Compression Rate” option.

Redundancy

version 2004

/ Preferences4D / Backup / Settings / Advanced / Redundancy

Values accepted

None, Low, Medium or High. By default: None.

Equivalent option in Preferences

Page: Backup/Backup

Group: Archive.

Description

Value of the “Redundancy Rate” option.

Interlacing

version 2004

/ Preferences4D / Backup / Settings / Advanced / Interlacing

Values accepted

None, Low, Medium or High. By default: None.

Equivalent option in Preferences

Page: Backup/Backup

Group: Archive.

Description

Value of the “Interlacing Rate” option.

EraseOldBackupBefore

version 2004

/ Preferences4D / Backup / Settings / Advanced / EraseOldBackupBefore

Values accepted

True (corresponding to “after”) or False (corresponding to “before”). By default: True.

Equivalent option in Preferences

Page: Backup/Backup

Group: General Settings.

Description

Value of the “Delete oldest backup file [before/after] backup” option.

CheckArchiveFileDuringBackup

version 2004.5

/ Preferences4D / Backup / Settings / Advanced /
CheckArchiveFileDuringBackup

Values accepted

True or False. By default: True.

Equivalent option in Preferences

No equivalent option.

Description

After a backup, 4th Dimension automatically checks the integrity of the files that were backed up. It is possible to deactivate this check by passing False in the CheckArchiveFileDuringBackup key. In this case, the archives will not be checked. For security reasons, this parameter is to be used for specific cases only and should not be used in general.

BackupJournalVerboseMode

version 2004.5

/ Preferences4D / Backup / Settings / Advanced /
BackupJournalVerboseMode

Values accepted

True or False. By default: True.

Equivalent option in Preferences

No equivalent option.

Description

This parameter can be used to reduce the amount of information stored in the backup journal, and thus reduce its size. If you pass False in this key, only the main information will be stored in the backup journal: date and time of start of operation and any errors that occurred.

SetNumber

These parameters can be used to configure the mechanism for storing archives. The corresponding preferences are found in the “General Settings” group on the Backup/Backup page of the Preferences.

Enable

version 2004

/ Preferences4D / Backup / Settings / Advanced / SetNumber / Enable

Values accepted

True or False. By default: True.

Equivalent option in Preferences

Page: Backup/Backup

Group: General Settings.

Description

“Keep only the last X backup files” option.

Value

version 2004

/ Preferences4D / Backup / Settings / Advanced / SetNumber / Value

Values accepted

Number of files. By default: 3.

Equivalent option in Preferences

Page: Backup/Backup
Group: General Settings.

Description

Value X of the “Keep only the last X backup files” option when it is set to True.

Transaction

These parameters concern the management of transactions during backups. They are found in the “General Settings” group on the Backup/Backup page of the Preferences.

WaitForEndOfTransaction

version 2004

/ Preferences4D / Backup / Settings / Advanced / Transaction / WaitForEndOfTransaction

Values accepted

True or False. By default: False.

Equivalent option in Preferences

Page: Backup/Backup
Group: General Settings.

Description

Radio button: “Always wait for the end of operations” = False. “Abort backup after waiting” = True.

Timeout

version 2004

/ Preferences4D / Backup / Settings / Settings / Advanced / Transaction / Timeout

Values accepted

Number of minutes or seconds in the ISO DateTime (0000-00-00T00:00:00) format. By default: 0000-00-00T00:03:00 (3 minutes)

Equivalent option in Preferences

Page: Backup/Backup
Group: General Settings.

Description

Value of the “Abort backup after waiting” option, expressed in minutes or seconds.

BackupFailure

These parameters manage the options in the case of backup failure. They are found in the “General Settings” group on the Backup/Backup page of the Preferences.

TryBackupAtTheNextScheduledDate

version 2004

/ Preferences4D / Backup / Settings / Advanced / BackupFailure / TryBackupAtTheNextScheduledDate

Values accepted

True or False. By default: False.

Equivalent option in Preferences

Page: Backup/Backup
Group: General Settings.

Description

Radio button: “Retry at the next scheduled date and time” = False.
“Retry after” = True.

TryToBackupAfter

version 2004

/ Preferences4D / Backup / Settings / Advanced / BackupFailure / TryToBackupAfter

Values accepted

Number of hours, minutes or seconds in the ISO DateTime (0000-00-00T00:00:00) format. By default: 0000-00-00T00:01:00 (1 minute).

Equivalent option in Preferences

Page: Backup/Backup
Group: General Settings.

Description

Value of the “Retry after” option, expressed in hours, minutes or seconds.

AbortIfBackupFail

version 2004

/ Preferences4D / Backup / Settings / Advanced / BackupFailure / AbortIfBackupFail

Values accepted

True or False. By default: False.

Equivalent option in Preferences

Page: Backup/Backup
Group: General Settings.

Description

“Cancel the operation after” option.

RetryCountBeforeAbort

version 2004

/ Preferences4D / Backup / Settings / Advanced / BackupFailure / RetryCountBeforeAbort

Values accepted

Number of attempts. By default: 5.

Equivalent option in Preferences

Page: Backup/Backup
Group: General Settings.

Description

Number of backup attempts.

FileSegmentation

This parameter can be used to set the segmentation of archives.

DefaultSize

version 2004

/ Preferences4D / Backup / Settings / Advanced / FileSegmentation / DefaultSize

Values accepted

0, 100, 200, 650 or 700. By default: 0.

Equivalent option in Preferences

Page: Backup/Backup

Group: Archive.

Description

Value of the combo box associated with the “Segment Size (Mb)” option.

Settings / General

These parameters manage files included in the backup. They correspond to the “Backup Contents” and “Backup File Destination Folder” groups on the Backup/Configuration page of the Preferences. In the *Backup.XML* file, these keys are included in the generic “Settings” item.

IncludeStructureFile

version 2004

/ Preferences4D / Backup / Settings / General / IncludeStructureFile

Values accepted

True or False. By default: True.

Equivalent option in Preferences

Page: Backup/Configuration

Group: Backup Contents.

Description

Value of the “Structure File” option indicating whether this file must be included in the backup.

IncludeDataFile

version 2004

/ Preferences4D / Backup / Settings / General / IncludeDataFile

Values accepted

True or False. By default: True.

Equivalent option in Preferences

Page: Backup/Configuration

Group: Backup Contents.

Description

Value of the “Data File” option indicating whether this file must be included in the backup.

IncludeAltStructFile

version 2004

/ Preferences4D / Backup / Settings / General / IncludeAltStructFile

Values accepted

True or False. By default: False.

Equivalent option in Preferences

Page: Backup/Configuration

Group: Backup Contents.

Description

Value of the “User Structure File” option indicating whether this file must be included in the backup.

DestinationFolder

version 2004

/ Preferences4D / Backup / Settings / General / DestinationFolder

Values accepted

Pathname.

Equivalent option in Preferences

Page: Backup/Configuration

Group: Backup File Destination Folder.

Description

Complete pathname of the backup file destination folder expressed with the syntax of the current platform.

IncludesFiles

This parameter manages the attached files of the backup.

ItemX

version 2004

/ Preferences4D / Backup / Settings / General / IncludesFiles / ItemX

Values accepted

Pathname.

Equivalent option in Preferences

Page: Backup/Configuration

Group: Backup Contents.

Description

Pathnames of files or folders attached to the backup (one Item key per file or folder).

Settings / Scheduler / Frequency

These parameters manage automatic backups. They correspond to the options on the Backup/Scheduler page of the Preferences.

In the *Backup.XML* file, these keys are included in the generic “Settings” items.

Hourly

Every

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Hourly / Every

Values accepted

Number of hours. By default: 12.

Equivalent option in Preferences

Page: Backup/Scheduler

Group: Backup Frequency.

Description

Period in hours between two automatic backups.

StartingAt

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Hourly / StartingAt

Values accepted

Time in the ISO DateTime (0000-00-00T00:00:00) format. By default: 0000-00-00T00:00:00.

Equivalent option in Preferences

Page: Backup/Scheduler

Group: Backup Frequency.

Description

Start time of automatic backups based on hours.

Daily

Every

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Daily / Every

Values accepted

Number of days. By default: 1.

Equivalent option in Preferences

Page: Backup/Scheduler

Group: Backup Frequency.

Description

Period in days between two automatic backups.

Hour

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Daily / Hour

Values accepted

Time in the ISO DateTime (0000-00-00T00:00:00) format. By default: 0000-00-00T00:00:00.

Equivalent option in Preferences

Page: Backup/Scheduler
Group: Backup Frequency.

Description

Time of automatic backups based on days.

Weekly

Every

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Weekly /
Every

Values accepted

Number of weeks. By default: 1.

Equivalent option in Preferences

Page: Backup/Scheduler
Group: Backup Frequency.

Description

Period in weeks between two automatic backups.

Monday / Save

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Weekly /
Monday / Save

Values accepted

True or False. By default: False.

Equivalent option in Preferences

Page: Backup/Scheduler
Group: Backup Frequency.

Description

Value of the “Monday” option.

Monday / Hour

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Weekly / Monday / Hour

Values accepted

Time in the ISO DateTime (0000-00-00T00:00:00) format. By default: 0000-00-00T00:00:00.

Equivalent option in Preferences

Page: Backup/Scheduler
Group: Backup Frequency.

Description

Time of backup on Monday (taken into account if the “Monday” option is set to True).

Tuesday / Save

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Weekly / Tuesday / Save

Values accepted

True or False. By default: False.

Equivalent option in Preferences

Page: Backup/Scheduler
Group: Backup Frequency.

Description

Value of the “Tuesday” option.

Tuesday / Hour

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Weekly / Tuesday / Hour

Values accepted

Time in the ISO DateTime (0000-00-00T00:00:00) format. By default: 0000-00-00T00:00:00.

Equivalent option in Preferences

Page: Backup/Scheduler
Group: Backup Frequency.

Description

Time of backup on Tuesday (taken into account if the “Tuesday” option is set to True).

Wednesday / Save

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Weekly / Wednesday / Save

Values accepted

True or False. By default: False.

Equivalent option in Preferences

Page: Backup/Scheduler
Group: Backup Frequency.

Description

Value of the “Wednesday” option.

Wednesday / Hour

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Weekly / Wednesday / Hour

Values accepted

Time in the ISO DateTime (0000-00-00T00:00:00) format. By default: 0000-00-00T00:00:00.

Equivalent option in Preferences

Page: Backup/Scheduler
Group: Backup Frequency.

Description

Time of backup on Wednesday (taken into account if the “Wednesday” option is set to True).

Thursday / Save

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Weekly / Thursday / Save

Values accepted

True or False. By default: False.

Equivalent option in Preferences

Page: Backup/Scheduler

Group: Backup Frequency.

Description

Value of the “Thursday” option.

Thursday / Hour

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Weekly / Thursday / Hour

Values accepted

Time in the ISO DateTime (0000-00-00T00:00:00) format. By default: 0000-00-00T00:00:00.

Equivalent option in Preferences

Page: Backup/Scheduler

Group: Backup Frequency.

Description

Time of backup on Thursday (taken into account if the “Thursday” option is set to True).

Friday / Save

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Weekly / Friday / Save

Values accepted

True or False. By default: False.

Equivalent option in Preferences

Page: Backup/Scheduler
Group: Backup Frequency.

Description

Value of the “Friday” option.

Friday / Hour

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Weekly /
Friday / Hour

Values accepted

Time in the ISO DateTime (0000-00-00T00:00:00) format. By default:
0000-00-00T00:00:00.

Equivalent option in Preferences

Page: Backup/Scheduler
Group: Backup Frequency.

Description

Time of backup on Friday (taken into account if the “Friday” option is
set to True).

Saturday / Save

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Weekly /
Saturday / Save

Values accepted

True or False. By default: False.

Equivalent option in Preferences

Page: Backup/Scheduler
Group: Backup Frequency.

Description

Value of the “Saturday” option.

Saturday / Hour

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Weekly / Saturday / Hour

Values accepted

Time in the ISO DateTime (0000-00-00T00:00:00) format. By default: 0000-00-00T00:00:00.

Equivalent option in Preferences

Page: Backup/Scheduler
Group: Backup Frequency.

Description

Time of backup on Saturday (taken into account if the “Saturday” option is set to True).

Sunday / Save

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Weekly / Sunday / Save

Values accepted

True or False. By default: True.

Equivalent option in Preferences

Page: Backup/Scheduler
Group: Backup Frequency.

Description

Value of the “Sunday” option.

Sunday / Hour

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Weekly / Sunday / Hour

Values accepted

Time in the ISO DateTime (0000-00-00T00:00:00) format. By default: 0000-00-00T00:00:00.

Equivalent option in Preferences

Page: Backup/Scheduler
Group: Backup Frequency.

Description

Time of backup on Sunday (taken into account if the “Sunday” option is set to True).

Monthly

Every

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Monthly /
Every

Values accepted

Number of months. By default: 1.

Equivalent option in Preferences

Page: Backup/Scheduler
Group: Backup Frequency.

Description

Period in months between two automatic backups.

Hour

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Monthly /
Hour

Values accepted

Time in the ISO DateTime (0000-00-00T00:00:00) format. By default:
0000-00-00T00:00:00.

Equivalent option in Preferences

Page: Backup/Scheduler
Group: Backup Frequency.

Description

Time of automatic backups based on months.

Day

version 2004

/ Preferences4D / Backup / Settings / Scheduler / Frequency / Monthly / Day

Values accepted

1, 2, 3... 29.

Equivalent option in Preferences

Page: Backup/Scheduler
Group: Backup Frequency.

Description

Xth day of the month for automatic backups based on months.

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