#### headers (Revision Headers)

This element represents the list of revision headers.

This section contains many [references](references.docx) to history, versions, and [revisions](revisions.docx), and it is helpful to clarify the relationships here. In general, a series of changes (revisions) can be made to a spreadsheet. When a batch of those [revisions](revisions.docx) is saved to disk, the version number of the spreadsheet is incremented. The batch of changes is saved to the revision history, which is persisted on disk with the file in the form of different log files and headers.

There are some attributes that deal with history which may seem redundant (such as diskRevisions, and history, among others) - these are there for backwards compatibility with older versions of spreadsheet applications and do not need to be used for creating new files.

|  |  |
| --- | --- |
| Child Elements | Subclause |
| [header](header.docx) (Header) | § |

|  |  |
| --- | --- |
| Attributes | Description |
| diskRevisions (Disk Revisions) | A Boolean value indicating that this shared [workbook](workbook.docx) file contains revisions. True when the [workbook](workbook.docx) does have [revisions](revisions.docx), false otherwise.  [Note: this attribute is used for backwards compatibility. end note]  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| exclusive (Exclusive Mode) | A Boolean value indicating that this shared [workbook](workbook.docx) is in exclusive mode.  A [workbook](workbook.docx) is in exclusive mode when a user has a lock on it for appending [revisions](revisions.docx) to the file.  [Note: This is used for backwards compatibility with older spreadsheet applications. end note]  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| guid (Last Revision GUID) | The globally unique identifier of the last set of revisions. This shall match the GUID for the most recent [header](header.docx).  The possible values for this attribute are defined by the [ST\_Guid](ST_Guid.docx) simple type (§). |
| history (History) | A Boolean value indicating that this shared [workbook](workbook.docx) maintains a revision history. True if a history is maintained, false otherwise.  [Note: This is used for backwards compatibility with older spreadsheet applications. end note]  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| keepChangeHistory (Keep Change History) | A Boolean value indicating whether the revision history should be kept for this shared workbook. True if the history should be kept, false otherwise.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| lastGuid (Last GUID) | Unique identifier of the last set of [revisions](revisions.docx) that was saved into the file.  Note: The spreadsheet application may have certain modes, such as a timed save mode, where the application doesn't do a full save, but instead just appends the most recent revision records. In cases like this, for a new user that opens such a file while it is being edited, the file that was loaded from disk will only have the changes that were saved during a full save. To get the current state of the file which includes edits by other [users](users.docx), the spreadsheet application would need to apply all the [revisions](revisions.docx) from lastGuid to guid.  The possible values for this attribute are defined by the [ST\_Guid](ST_Guid.docx) simple type (§). |
| preserveHistory (Preserve History) | An integer representing the number of days the spreadsheet application will keep the change history for this workbook.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) unsignedInt datatype. |
| protected (Protected) | A Boolean value indicating whether the change tracking in this shared [workbook](workbook.docx) can be removed. True if the tracking can be removed, false otherwise.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| revisionId (Revision Id) | The current revision number of this shared workbook.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) unsignedInt datatype. |
| shared (Shared Workbook) | A Boolean value indicating that this [workbook](workbook.docx) is shared. True when the [workbook](workbook.docx) is shared, false otherwise.  [Note: This is used for backwards compatibility with older spreadsheet applications. end note]  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| trackRevisions (Track Revisions) | A Boolean value indicating that [revisions](revisions.docx) are tracked in this shared workbook. True when [revisions](revisions.docx) are tracked, false otherwise.  [Note: This is used for backwards compatibility with older spreadsheet applications. end note]  The possible values for this attribute are defined by the XML [Schema](Schema.docx) boolean datatype. |
| version (Version) | An integer representing the current version of this shared workbook. The integer should begin counting from 1 for the first version.  The possible values for this attribute are defined by the XML [Schema](Schema.docx) int datatype. |

The following XML [Schema](Schema.docx) fragment defines the contents of this element:

<complexType [name](name.docx)="CT\_RevisionHeaders">

<sequence>

<element name="[header](header.docx)" type="CT\_RevisionHeader" minOccurs="1" maxOccurs="unbounded"/>

</sequence>

<attribute [name](name.docx)="guid" type="[ST\_Guid](ST_Guid.docx)" use="required"/>

<attribute [name](name.docx)="lastGuid" type="[ST\_Guid](ST_Guid.docx)" use="optional"/>

<attribute [name](name.docx)="shared" type="xsd:boolean" default="true"/>

<attribute [name](name.docx)="diskRevisions" type="xsd:boolean" default="false"/>

<attribute [name](name.docx)="history" type="xsd:boolean" default="true"/>

<attribute [name](name.docx)="trackRevisions" type="xsd:boolean" default="true"/>

<attribute [name](name.docx)="exclusive" type="xsd:boolean" default="false"/>

<attribute [name](name.docx)="revisionId" type="xsd:unsignedInt" default="0"/>

<attribute [name](name.docx)="version" type="xsd:int" default="1"/>

<attribute name="keepChangeHistory" type="xsd:boolean" use="optional" default="true"/>

<attribute name="protected" type="xsd:boolean" use="optional" default="false"/>

<attribute [name](name.docx)="preserveHistory" type="xsd:unsignedInt" default="30"/>

</complexType>