#### latentStyles (Latent Style Information)

This element specifies the properties which shall be applied to a set of latent [styles](styles.docx) for this document. Latent [styles](styles.docx) refer to any set of style definitions known to an application which have not been included in the current document. [Example: Latent [styles](styles.docx) may include additional [styles](styles.docx) known by a particular hosting application. end example]

When a style definition is embedded in a document, it specifies two distinct groups of properties:

* Behavior properties
* Formatting properties

Obviously, embedding all the [styles](styles.docx) known to a particular application in each document which it produces would drastically increase the file size. Latent [styles](styles.docx) provide a way to store pieces of information for the first [group](group.docx) (behavior properties) which must be specified for all [styles](styles.docx) known to an application without requiring the storage of the second [group](group.docx) (formatting properties).

[Example: Consider a WordprocessingML document which contains text specified in one of two styles: Heading1 or Normal. Based on this, the document only needs to store the formatting properties for those two [styles](styles.docx), saving the additional overhead which would be required to save all of the [styles](styles.docx) supported by the hosting application.

However, if the [documentProtection](documentProtection.docx) element (§) specifies that the hosting application shall prevent the use of any style whose [locked](locked.docx) element (§) is set to false, then the locking state of all [styles](styles.docx) known to that application become useful and necessary to maintain the current state of the document. Using latent [styles](styles.docx), this information may be stored without storing any formatting properties for those styles.

For example, if all [styles](styles.docx) which are not stored in the document shall be [locked](locked.docx) except for the style with a primary name (§) of Heading 2. This requirement would be specified using latent [styles](styles.docx) as follows:

<w:latentStyles … w:defLockedState="true">  
 <w:[lsdException](lsdException.docx) w:name="Heading 2" w:[locked](locked.docx)="false"/>  
</w:latentStyles>

The latentStyles element specifies that all latent [styles](styles.docx) known to any hosting application shall have a default locking state of true except for any style known to the hosting application with a primary name of Heading 2, whose latent style definition specifies that its [locked](locked.docx) state shall be false. end example]

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| Parent Elements |
| [styles](styles.docx) (§) |

|  |  |
| --- | --- |
| Child Elements | Subclause |
| [lsdException](lsdException.docx) (Latent Style Exception) | § |

|  |  |
| --- | --- |
| Attributes | Description |
| count (Latent Style Count) | Specifies the number of known [styles](styles.docx) which shall be initialized to the current latent style defaults when this document is first processed. [Note: This property may be used by an application as needed to ensure that only the number of [styles](styles.docx) known when this document was created are initialized with the defaults on the parent element, and that all new known [styles](styles.docx) use their default values. end note]  [Example: Consider a WordprocessingML document in which only the first 20 latent [styles](styles.docx) shall be initialized. This requirement would be specified as follows:  <w:latentStyles w:count="20" … >  … </w:latentStyles>  The count attribute specifies that 20 known [styles](styles.docx) shall be initialized to the default settings when the document is first opened, and any additional [styles](styles.docx) should use the defaults defined by the application. end example]  The possible values for this attribute are defined by the [ST\_DecimalNumber](ST_DecimalNumber.docx) simple [type](type.docx) (§). |
| defLockedState (Default Style Locking Setting) | Specifies the default setting for the [locked](locked.docx) element (§) which shall be applied to any style made available by the hosting application which is not explicitly defined in the current document. This setting shall be overridden for every style for which a latent style exception (§) exists.  If this element is omitted, the default [locked](locked.docx) state for all latent [styles](styles.docx) in the current document shall be false.  [Example: Consider a WordprocessingML document in which all [styles](styles.docx) which are not stored in the document shall be locked. This requirement would be specified using latent [styles](styles.docx) as follows:  <w:latentStyles … w:defLockedState="true">  … </w:latentStyles>  The defLockedState attribute specifies that all latent [styles](styles.docx) in the current document shall have a [locked](locked.docx) element setting of true by default. end example]  The possible values for this attribute are defined by the [ST\_OnOff](ST_OnOff.docx) simple [type](type.docx) (§). |
| defQFormat (Default Primary Style Setting) | Specifies the default setting for the [qFormat](qFormat.docx) element (§) which shall be applied to any style made available by the hosting application which is not explicitly defined in the current document. This setting shall be overridden for every style for which a latent style exception (§) exists.  If this element is omitted, the default [qFormat](qFormat.docx) state for all latent [styles](styles.docx) in the current document shall be false.  [Example: Consider a WordprocessingML document in which all [styles](styles.docx) which are not stored in the document shall not be marked as primary styles. This requirement would be specified using latent [styles](styles.docx) as follows:  <w:latentStyles … w:defQFormat="false">  … </w:latentStyles>  The defQFormat attribute specifies that all latent [styles](styles.docx) in the current document shall have a [qFormat](qFormat.docx) element setting of false by default. end example]  The possible values for this attribute are defined by the [ST\_OnOff](ST_OnOff.docx) simple [type](type.docx) (§). |
| defSemiHidden (Default Semi-Hidden Setting) | Specifies the default setting for the [semiHidden](semiHidden.docx) element (§) which shall be applied to any style made available by the hosting application which is not explicitly defined in the current document. This setting shall be overridden for every style for which a latent style exception (§) exists.  If this element is omitted, the default [semiHidden](semiHidden.docx) state for all latent [styles](styles.docx) in the current document shall be false.  [Example: Consider a WordprocessingML document in which all [styles](styles.docx) which are not stored in the document shall not be marked as semi-hidden. This requirement would be specified using latent [styles](styles.docx) as follows:  <w:latentStyles … w:defSemiHIdden="false">  … </w:latentStyles>  The defSemiHidden attribute specifies that all latent [styles](styles.docx) in the current document shall have a [semiHidden](semiHidden.docx) element setting of false by default. end example]  The possible values for this attribute are defined by the [ST\_OnOff](ST_OnOff.docx) simple [type](type.docx) (§). |
| defUIPriority (Default User Interface Priority Setting) | Specifies the default setting for the [uiPriority](uiPriority.docx) element (§) which shall be applied to any style made available by the hosting application which is not explicitly defined in the current document. This setting shall be overridden for every style for which a latent style exception (§) exists.  If this element is omitted, the default [uiPriority](uiPriority.docx) state for all latent [styles](styles.docx) in the current document shall be 99.  [Example: Consider a WordprocessingML document in which all [styles](styles.docx) which are not stored in the document shall not be marked as semi-hidden. This requirement would be specified using latent [styles](styles.docx) as follows:  <w:latentStyles … w:defUIPriority="10">  … </w:latentStyles>  The defUIPriority attribute specifies that all latent [styles](styles.docx) in the current document shall have a [uiPriority](uiPriority.docx) element setting of 10 by default. end example]  The possible values for this attribute are defined by the [ST\_DecimalNumber](ST_DecimalNumber.docx) simple [type](type.docx) (§). |
| defUnhideWhenUsed (Default Hidden Until Used Setting) | Specifies the default setting for the [unhideWhenUsed](unhideWhenUsed.docx) element (§) which shall be applied to any style made available by the hosting application which is not explicitly defined in the current document. This setting shall be overridden for every style for which a latent style exception (§) exists.  If this element is omitted, the default [unhideWhenUsed](unhideWhenUsed.docx) state for all latent [styles](styles.docx) in the current document shall be false.  [Example: Consider a WordprocessingML document in which all [styles](styles.docx) which are not stored in the document shall be [hidden](hidden.docx) until they are used in the document's contents. This requirement would be specified using latent [styles](styles.docx) as follows:  <w:latentStyles … w:defUnhideWhenUsed="true">  … </w:latentStyles>  The defUnhideWhenUsed attribute specifies that all latent [styles](styles.docx) in the current document shall have a [unhideWhenUsed](unhideWhenUsed.docx) element setting of true by default. end example]  The possible values for this attribute are defined by the [ST\_OnOff](ST_OnOff.docx) simple [type](type.docx) (§). |

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

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

<sequence>

<element name="[lsdException](lsdException.docx)" [type](type.docx)="CT\_LsdException" minOccurs="0" maxOccurs="unbounded"/>

</sequence>

<attribute [name](name.docx)="defLockedState" [type](type.docx)="[ST\_OnOff](ST_OnOff.docx)"/>

<attribute [name](name.docx)="defUIPriority" [type](type.docx)="[ST\_DecimalNumber](ST_DecimalNumber.docx)"/>

<attribute [name](name.docx)="defSemiHidden" [type](type.docx)="[ST\_OnOff](ST_OnOff.docx)"/>

<attribute [name](name.docx)="defUnhideWhenUsed" [type](type.docx)="[ST\_OnOff](ST_OnOff.docx)"/>

<attribute [name](name.docx)="defQFormat" [type](type.docx)="[ST\_OnOff](ST_OnOff.docx)"/>

<attribute [name](name.docx)="count" [type](type.docx)="[ST\_DecimalNumber](ST_DecimalNumber.docx)"/>

</complexType>