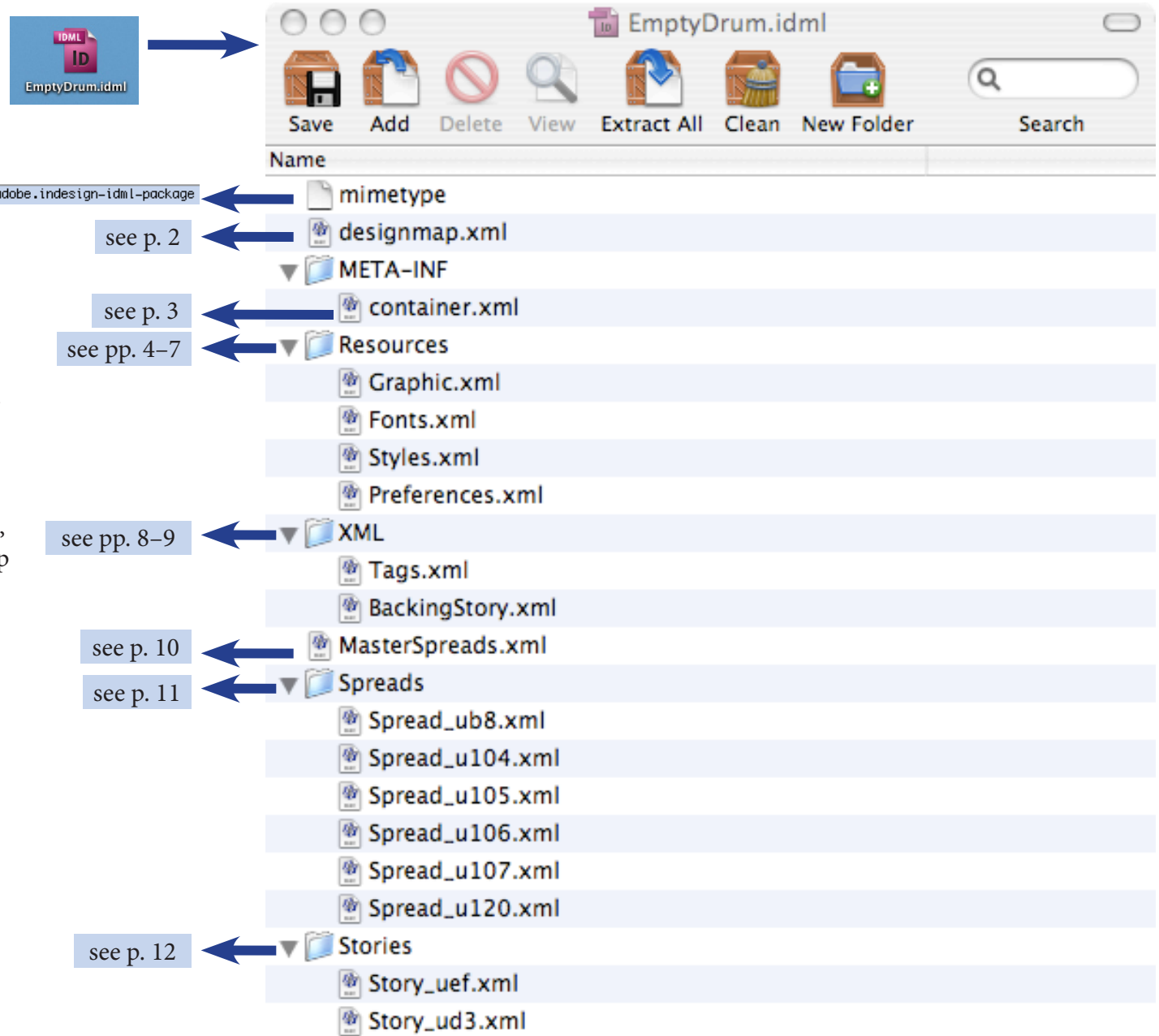# Publicious Presents: Anatomy of InDesign Markup (IDML) Format
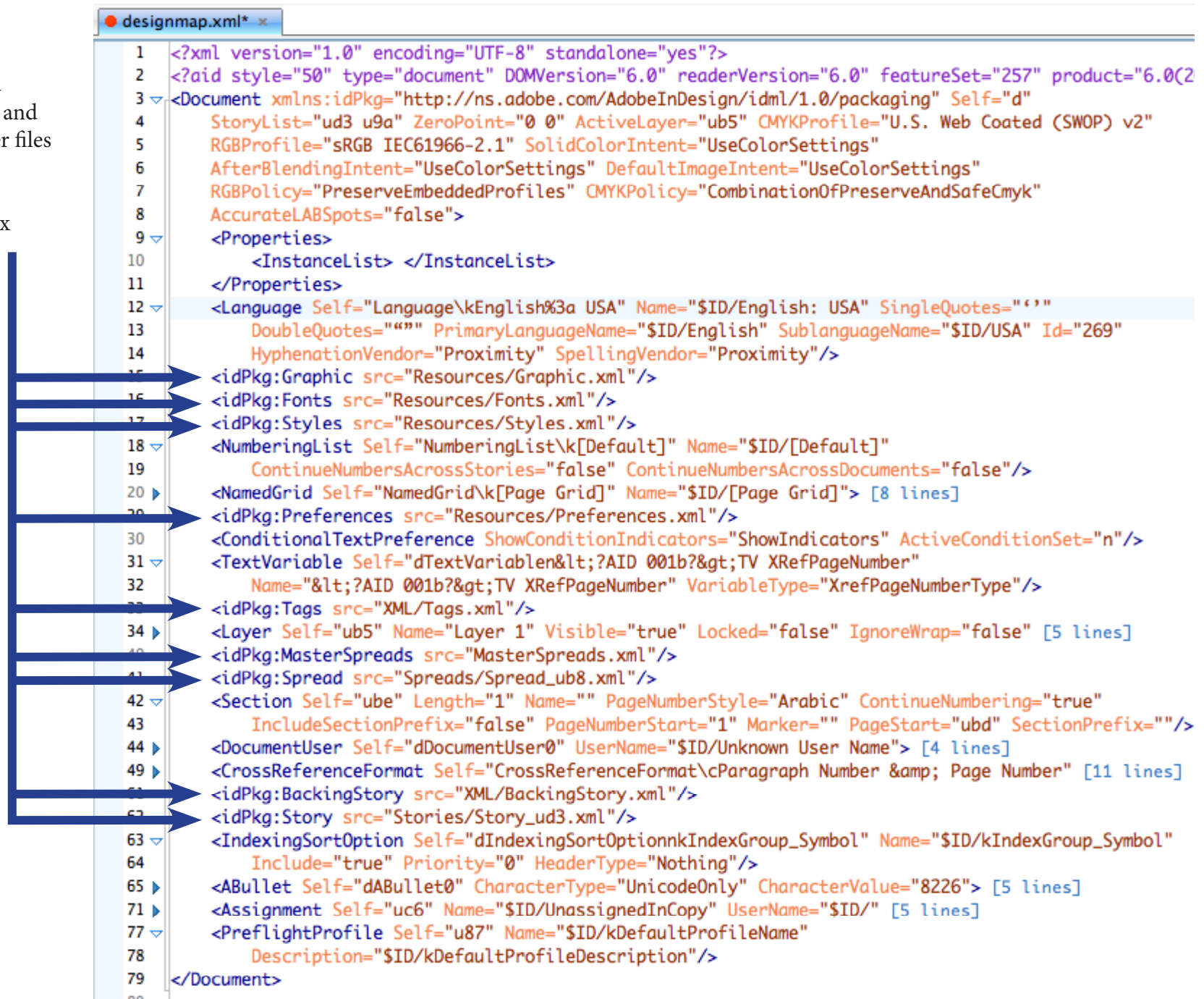
## by Mike Rankin

To generate IDML, choose File >
Export Format: InDesign Markup
(IDML)

An IDML file is a compressed archive
of XML files describing the structure
and content of an InDesign CS4 file.

On the Mac, do not unzip the archive,
Instead, use a Zip utility like BetterZip
to view the contents of the archive.

Double-click the files to open and
them in another application like
Oxygen or BBEdit.

**EmptyDrum.idml**

| | |
|---|---|
| Save | Add | Delete | View | Extract All | Clean | New Folder | Search |

**Name**

application/vnd.adobe.indesign-idml-package → mimetype

→ designmap.xml

▼ META-INF

→ container.xml

→ ▼ Resources

- Graphic.xml
- Fonts.xml
- Styles.xml
- Preferences.xml

→ ▼ XML

- Tags.xml
- BackingStory.xml

→ MasterSpreads.xml

→ ▼ Spreads

- Spread_ub8.xml
- Spread_u104.xml
- Spread_u105.xml
- Spread_u106.xml
- Spread_u107.xml
- Spread_u120.xml

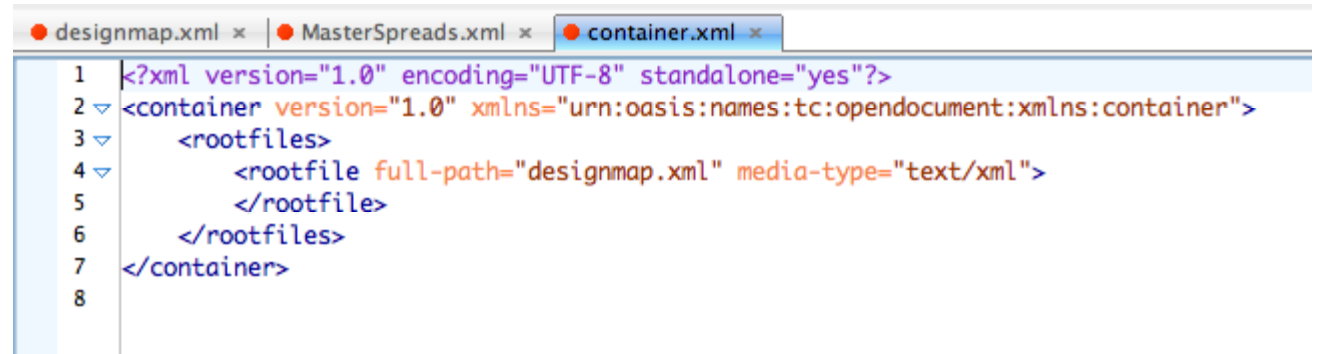→ ▼ Stories

- Story_uef.xml
- Story_ud3.xml

# designmap.xml

The designmap file has a Document root element and references to all the other files in IDML folder, indicated by the **idPkg** namespace prefix



```xml
designmap.xml*  ×

1  <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2  <?aid style="50" type="document" DOMVersion="6.0" readerVersion="6.0" featureSet="257" product="6.0(2
3  <Document xmlns:idPkg="http://ns.adobe.com/AdobeInDesign/idml/1.0/packaging" Self="d"
4      StoryList="ud3 u9a" ZeroPoint="0 0" ActiveLayer="ub5" CMYKProfile="U.S. Web Coated (SWOP) v2"
5      RGBProfile="sRGB IEC61966-2.1" SolidColorIntent="UseColorSettings"
6      AfterBlendingIntent="UseColorSettings" DefaultImageIntent="UseColorSettings"
7      RGBPolicy="PreserveEmbeddedProfiles" CMYKPolicy="CombinationOfPreserveAndSafeCmyk"
8      AccurateLABSpots="false">
9      <Properties>
10         <InstanceList> </InstanceList>
11     </Properties>
12     <Language Self="Language\kEnglish%3a USA" Name="$ID/English: USA" SingleQuotes="''"
13         DoubleQuotes=""" " PrimaryLanguageName="$ID/English" SublanguageName="$ID/USA" Id="269"
14         HyphenationVendor="Proximity" SpellingVendor="Proximity"/>
15     <idPkg:Graphic src="Resources/Graphic.xml"/>
16     <idPkg:Fonts src="Resources/Fonts.xml"/>
17     <idPkg:Styles src="Resources/Styles.xml"/>
18     <NumberingList Self="NumberingList\k[Default]" Name="$ID/[Default]"
19         ContinueNumbersAcrossStories="false" ContinueNumbersAcrossDocuments="false"/>
20     <NamedGrid Self="NamedGrid\k[Page Grid]" Name="$ID/[Page Grid]"> [8 lines]
29     <idPkg:Preferences src="Resources/Preferences.xml"/>
30     <ConditionalTextPreference ShowConditionIndicators="ShowIndicators" ActiveConditionSet="n"/>
31     <TextVariable Self="dTextVariablen&lt;?AID 001b?&gt;TV XRefPageNumber"
32         Name="&lt;?AID 001b?&gt;TV XRefPageNumber" VariableType="XrefPageNumberType"/>
33     <idPkg:Tags src="XML/Tags.xml"/>
34     <Layer Self="ub5" Name="Layer 1" Visible="true" Locked="false" IgnoreWrap="false" [5 lines]
40     <idPkg:MasterSpreads src="MasterSpreads.xml"/>
41     <idPkg:Spread src="Spreads/Spread_ub8.xml"/>
42     <Section Self="ube" Length="1" Name="" PageNumberStyle="Arabic" ContinueNumbering="true"
43         IncludeSectionPrefix="false" PageNumberStart="1" Marker="" PageStart="ubd" SectionPrefix=""/>
44     <DocumentUser Self="dDocumentUser0" UserName="$ID/Unknown User Name"> [4 lines]
49     <CrossReferenceFormat Self="CrossReferenceFormat\cParagraph Number &amp; Page Number" [11 lines]
61     <idPkg:BackingStory src="XML/BackingStory.xml"/>
62     <idPkg:Story src="Stories/Story_ud3.xml"/>
63     <IndexingSortOption Self="dIndexingSortOptionnkIndexGroup_Symbol" Name="$ID/kIndexGroup_Symbol"
64         Include="true" Priority="0" HeaderType="Nothing"/>
65     <ABullet Self="dABullet0" CharacterType="UnicodeOnly" CharacterValue="8226"> [5 lines]
71     <Assignment Self="uc6" Name="$ID/UnassignedInCopy" UserName="$ID/" [5 lines]
77     <PreflightProfile Self="u87" Name="$ID/kDefaultProfileName"
78         Description="$ID/kDefaultProfileDescription"/>
79  </Document>
80
```

The container file references a set of rootfiles, including designmap.xml

```
designmap.xml  ×    MasterSpreads.xml  ×    container.xml  ×
1    <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2    <container version="1.0" xmlns="urn:oasis:names:tc:opendocument:xmlns:container">
3        <rootfiles>
4            <rootfile full-path="designmap.xml" media-type="text/xml">
5            </rootfile>
6        </rootfiles>
7    </container>
8
```

The fonts file lists all the fonts used in the InDesign document.

```
● designmap.xml ×   ● MasterSpreads.xml ×   ● container.xml ×   ● Fonts.xml* ×

/Users/rankinm/Desktop/EmptyDrum Folder/designmap.xml dalone="yes"?>
  2 ▽ <idPkg:Fonts xmlns:idPkg="http://ns.adobe.com/AdobeInDesign/idml/1.0/packaging">
  3 ▽     <FontFamily Self="di3e" Name="Times">
  4 ▽         <Font Self="di3eFontnTimes Roman" FontFamily="Times" Name="Times Roman"
  5               PostScriptName="$ID/Times-Roman" Status="Installed" FontStyleName="Roman"
  6               FontType="Type1" WritingScript="0" FullName="Times Roman" FullNameNative="Times Roman"
  7               FontStyleNameNative="Roman" PlatformName="$ID/" Version="001.007"/>
  8 ▶         <Font Self="di3eFontnTimes Italic" FontFamily="Times" Name="Times Italic" [3 lines]
 12 ▶         <Font Self="di3eFontnTimes Semibold" FontFamily="Times" Name="Times Semibold" [4 lines]
 17 ▶         <Font Self="di3eFontnTimes Semibold Italic" FontFamily="Times" Name="Times Semibold Italic" [4 lir
 22 ▶         <Font Self="di3eFontnTimes Bold" FontFamily="Times" Name="Times Bold" [3 lines]
 26 ▶         <Font Self="di3eFontnTimes Bold Italic" FontFamily="Times" Name="Times Bold Italic" [4 lines]
 31 ▶         <Font Self="di3eFontnTimes Extra Bold" FontFamily="Times" Name="Times Extra Bold" [4 lines]
 36       </FontFamily>
 37 ▶     <FontFamily Self="di86" Name="Myriad Pro"> [58 lines]
 96 ▽     <FontFamily Self="di94" Name="Kozuka Mincho Pro">
 97 ▶         <Font Self="di94FontnKozuka Mincho Pro EL" FontFamily="Kozuka Mincho Pro" [4 lines]
102 ▶         <Font Self="di94FontnKozuka Mincho Pro L" FontFamily="Kozuka Mincho Pro" [4 lines]
107 ▶         <Font Self="di94FontnKozuka Mincho Pro R" FontFamily="Kozuka Mincho Pro" [4 lines]
112 ▶         <Font Self="di94FontnKozuka Mincho Pro M" FontFamily="Kozuka Mincho Pro" [4 lines]
117 ▶         <Font Self="di94FontnKozuka Mincho Pro B" FontFamily="Kozuka Mincho Pro" [4 lines]
122 ▶         <Font Self="di94FontnKozuka Mincho Pro H" FontFamily="Kozuka Mincho Pro" [4 lines]
127       </FontFamily>
128 ▽     <CompositeFont Self="CompositeFont\k[No composite font]" Name="$ID/[No composite font]">
129 ▶         <CompositeFontEntry Self="u93" Name="$ID/Kanji" FontStyle="$ID/R" RelativeSize="100" [6 lines]
136 ▶         <CompositeFontEntry Self="u95" Name="$ID/Kana" FontStyle="$ID/R" RelativeSize="100" [7 lines]
144 ▶         <CompositeFontEntry Self="u96" Name="$ID/Punctuation" FontStyle="$ID/R" RelativeSize="100" [7 line
152 ▶         <CompositeFontEntry Self="u97" Name="$ID/Symbols" FontStyle="$ID/R" RelativeSize="100" [7 lines]
160 ▽         <CompositeFontEntry Self="u98" Name="$ID/Alphabetic" FontStyle="$ID/Roman"
161               RelativeSize="100" HorizontalScale="100" VerticalScale="100"
162               CustomCharacters=" !&quot;#$%&amp;&apos;()*+,-./:;&lt;=&gt;?
163               @ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}
164               ~ ¡¤¥¦©ª«®¯²³µ·¸¹º»¼½¾¿ÀÁÂÃÄÅÆÇÈÉÊËÌÍÎÏÐÑÒÓÔÕÖØÙÚÛÜÝÞßàáâãäåæ
165               çèéêëìíîïðñòóôõöøùúûüýþÿıŒœŠšŸŽžƒˆˇˉˊˋˍˎˏ˘˙˚˛˜¯‐‑‒–—•‹›⁄€™∆∏∑≈≤≥◊ﬀﬁﬂﬃﬄⒶⒷ"
166               Locked="true" ScaleOption="false" BaselineShift="0">
167 ▽             <Properties>
168                   <AppliedFont type="string">Times</AppliedFont>
169               </Properties>
170           </CompositeFontEntry>
171 ▶         <CompositeFontEntry Self="u99" Name="$ID/Numbers" FontStyle="$ID/Roman" RelativeSize="100" [6 line
178       </CompositeFont>
179   </idPkg:Fonts>
```

# Resources: Graphic.xml

The graphic file lists all colors, gradients, inks, and strokes used in the InDesign document.

```
designmap.xml ×  ● MasterSpreads.xml ×  ● container.xml ×  ● Fonts.xml ×  ● Graphic.xml ×
 1    <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
 2 ▽  <idPkg:Graphic xmlns:idPkg="http://ns.adobe.com/AdobeInDesign/idml/1.0/packaging">
 3        <Color Self="Color\cBlack" Model="Process" Space="CMYK" ColorValue="0 0 0 100" ColorOverride="Spec
 4        <Color Self="Color\cC=0 M=0 Y=100 K=0" Model="Process" Space="CMYK" ColorValue="0 0 100 0" ColorOv
 5        <Color Self="Color\cC=0 M=100 Y=0 K=0" Model="Process" Space="CMYK" ColorValue="0 100 0 0" ColorOv
 6        <Color Self="Color\cC=100 M=0 Y=0 K=0" Model="Process" Space="CMYK" ColorValue="100 0 0 0" ColorOv
 7        <Color Self="Color\cC=100 M=90 Y=10 K=0" Model="Process" Space="CMYK" ColorValue="100 90 10 0" Col
 8        <Color Self="Color\cC=15 M=100 Y=100 K=0" Model="Process" Space="CMYK" ColorValue="15 100 100 0" (
 9        <Color Self="Color\cC=75 M=5 Y=100 K=0" Model="Process" Space="CMYK" ColorValue="75 5 100 0" Color
10        <Color Self="Color\cCyan" Model="Process" Space="CMYK" ColorValue="100 0 0 0" ColorOverride="Hidde
11        <Color Self="Color\cMagenta" Model="Process" Space="CMYK" ColorValue="0 100 0 0" ColorOverride="Hi
12        <Color Self="Color\cPaper" Model="Process" Space="CMYK" ColorValue="0 0 0 0" ColorOverride="Specia
13        <Color Self="Color\cRegistration" Model="Registration" Space="CMYK" ColorValue="100 100 100 100" (
14        <Color Self="Color\cYellow" Model="Process" Space="CMYK" ColorValue="0 0 100 0" ColorOverride="Hid
15        <Color Self="Color\u7c" Model="Process" Space="CMYK" ColorValue="0 0 0 100" ColorOverride="Normal"
16        <Color Self="Color\u7e" Model="Process" Space="CMYK" ColorValue="0 0 0 0" ColorOverride="Normal" A
17        <Ink Self="Ink\kProcess Cyan" Name="$ID/Process Cyan" Angle="15" ConvertToProcess="false" Frequenc
18        <Ink Self="Ink\kProcess Magenta" Name="$ID/Process Magenta" Angle="75" ConvertToProcess="false" F
19        <Ink Self="Ink\kProcess Yellow" Name="$ID/Process Yellow" Angle="0" ConvertToProcess="false" Frequ
20        <Ink Self="Ink\kProcess Black" Name="$ID/Process Black" Angle="45" ConvertToProcess="false" Freque
21 ▶      <PastedSmoothShade Self="PastedSmoothShade\u7f" ContentsVersion="0" ContentsType="ConstantShade" S
26        <Swatch Self="Swatch\cNone" Name="None" ColorEditable="false" ColorRemovable="false" Visible="true
27 ▶      <Gradient Self="Gradient\u7d" Type="Linear" Name="$ID/" ColorEditable="true" ColorRemovable="true"
31        <StrokeStyle Self="StrokeStyle\kTriple_Stroke" Name="$ID/Triple_Stroke"/>
32        <StrokeStyle Self="StrokeStyle\kThickThinThick" Name="$ID/ThickThinThick"/>
33        <StrokeStyle Self="StrokeStyle\kThinThickThin" Name="$ID/ThinThickThin"/>
34        <StrokeStyle Self="StrokeStyle\kThickThick" Name="$ID/ThickThick"/>
35        <StrokeStyle Self="StrokeStyle\kThickThin" Name="$ID/ThickThin"/>
36        <StrokeStyle Self="StrokeStyle\kThinThick" Name="$ID/ThinThick"/>
37        <StrokeStyle Self="StrokeStyle\kThinThin" Name="$ID/ThinThin"/>
38        <StrokeStyle Self="StrokeStyle\kJapanese Dots" Name="$ID/Japanese Dots"/>
39        <StrokeStyle Self="StrokeStyle\kWhite Diamond" Name="$ID/White Diamond"/>
40        <StrokeStyle Self="StrokeStyle\kLeft Slant Hash" Name="$ID/Left Slant Hash"/>
41        <StrokeStyle Self="StrokeStyle\kRight Slant Hash" Name="$ID/Right Slant Hash"/>
42        <StrokeStyle Self="StrokeStyle\kStraight Hash" Name="$ID/Straight Hash"/>
43        <StrokeStyle Self="StrokeStyle\kWavy" Name="$ID/Wavy"/>
44        <StrokeStyle Self="StrokeStyle\kCanned Dotted" Name="$ID/Canned Dotted"/>
45        <StrokeStyle Self="StrokeStyle\kCanned Dashed 3x2" Name="$ID/Canned Dashed 3x2"/>
46        <StrokeStyle Self="StrokeStyle\kCanned Dashed 4x4" Name="$ID/Canned Dashed 4x4"/>
47        <StrokeStyle Self="StrokeStyle\kDashed" Name="$ID/Dashed"/>
48        <StrokeStyle Self="StrokeStyle\kSolid" Name="$ID/Solid"/>
49    </idPkg:Graphic>
```

# Resources: Preferences.xml

The preferences file contains all the settings for preferences that travel with an InDesign document.

It does not contain application preferences.

```
designmap.xml ×   ● MasterSpreads.xml ×   ● container.xml ×   ● Fonts.xml ×   ● Graphic.xml ×   ● Preferences.xml ×

  1   <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
  2 ▽ <idPkg:Preferences xmlns:idPkg="http://ns.adobe.com/AdobeInDesign/idml/1.0/packaging">
  3 ▶     <XMLImportPreference ImportToSelected="true" ImportStyle="MergeImport" CreateLinkToXML="false" Repe
 10 ▶     <XMLExportPreference ViewAfterExport="false" ExportFromSelected="false" FileEncoding="UTF8" Ruby="f
 16 ▶     <XMLPreference DefaultStoryTagName="Story" DefaultTableTagName="Table" DefaultCellTagName="Cell" De
 24       <ExportForWebPreference CopyFormattedImages="false" CopyOptimizedImages="false" CopyOriginalImages=
 25       <TransparencyPreference BlendingSpace="CMYK" GlobalLightAngle="120" GlobalLightAltitude="30"/>
 26 ▶     <TransparencyDefaultContainerObject> [49 lines]
 76       <StoryPreference OpticalMarginAlignment="false" OpticalMarginSize="12" FrameType="TextFrameType" St
 77 ▶     <TextFramePreference TextColumnCount="1" TextColumnGutter="12" TextColumnFixedWidth="144" UseFixedC
 87       <TextPreference TypographersQuotes="true" HighlightHjViolations="false" HighlightKeeps="false" High
 88 ▶     <TextDefault FirstLineIndent="0" LeftIndent="0" RightIndent="0" SpaceBefore="0" SpaceAfter="0" Just
133       <DictionaryPreference Composition="Both" MergeUserDictionary="false" RecomposeWhenChanged="true"/>
134       <AnchoredObjectDefault AnchorContent="Unassigned" InitialAnchorHeight="72" InitialAnchorWidth="72"
135       <AnchoredObjectSetting AnchoredPosition="InlinePosition" SpineRelative="false" LockPosition="false"
136 ▶     <BaselineFrameGridOption UseCustomBaselineFrameGrid="false" StartingOffsetForBaselineFrameGrid="0"
141 ▶     <FootnoteOption StartAt="1" Prefix="" Suffix="" FootnoteTextStyle="ParagraphStyle\kNormalParagraphS
155 ▶     <TextWrapPreference TextWrapType="None" Inverse="false" ApplyToMasterPageOnly="false" TextWrapSide=
161 ▶     <DocumentPreference PageHeight="792" PageWidth="612" PagesPerDocument="1" FacingPages="true" Docume
167 ▶     <GridPreference DocumentGridShown="false" DocumentGridSnapto="false" HorizontalGridlineDivision="72
173 ▶     <GuidePreference GuidesInBack="false" GuidesShown="true" GuidesLocked="false" GuidesSnapto="true" R
178       <MarginPreference ColumnCount="1" ColumnGutter="12" Top="36" Bottom="36" Left="36" Right="36" Colum
179 ▶     <PasteboardPreference MinimumSpaceAboveAndBelow="72"> [6 lines]
186       <ViewPreference GuideSnaptoZone="4" CursorKeyIncrement="1" HorizontalMeasurementUnits="Picas" Verti
187 ▶     <PrintPreference PrintFile="" Copies="1" Collating="false" ReverseOrder="false" Sequence="All" Prin
204 ▶     <PrintBookletOption BookletType="TwoUpSaddleStitch" SpaceBetweenPages="0" BleedBetweenPages="0" Cre
209 ▶     <PrintBookletPrintPreference PrinterList="" PPDList="" PaperSizeList="" ScreeningList="" PrintFile=
225 ▶     <MetadataPacketPreference> [193 lines]
419       <IndexOptions Title="Index" TitleStyle="ParagraphStyle\k[No paragraph style]" ReplaceExistingIndex=
420 ▶     <IndexHeaderSetting HeaderSetName="$ID/" HeaderSetLanguage="256" IndexHeaderSetHandler="77882" Inde
461 ▶     <PageItemDefault AppliedGraphicObjectStyle="ObjectStyle\k[Normal Graphics Frame]" AppliedTextObject
463       <FrameFittingOption LeftCrop="0" TopCrop="0" RightCrop="0" BottomCrop="0" FittingOnEmptyFrame="None
464       <ButtonPreference Name="$ID/"/>
465 ▶     <TinDocumentDataObject> [4 lines]
470 ▶     <LayoutGridDataInformation FontStyle="Roman" PointSize="12" CharacterAki="0" LineAki="9" Horizontal
475 ▶     <StoryGridDataInformation FontStyle="Roman" PointSize="12" CharacterAki="0" LineAki="9" HorizontalS
480 ▶     <CjkGridPreference ShowAllLayoutGrids="false" ShowAllFrameGrids="true" MinimumScale="50" SnapToLayo
485       <MojikumiUiPreference MojikumiUiSettings="16383"/>
486 ▶     <ChapterNumberPreference ChapterNumber="1" ChapterNumberSource="ContinueFromPreviousDocument"> [4 l
491       <DataMergeOption FittingOption="Proportional" CenterImage="false" LinkImages="true" RemoveBlankLine
492       <LayoutAdjustmentPreference EnableLayoutAdjustment="false" SnapZone="2" AllowGraphicsToResize="true
493   </idPkg:Preferences>
```

# Resources: Styles.xml

The styles file contains groups and settings for paragraph, character, TOC, table, object, and trap styles.

| signmap.xml × | ● MasterSpreads.xml × | ● container.xml × | ● Fonts.xml × | ● Graphic.xml × | ● Preferences.xml × | ● Styles.xml* × |

```
 1    <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
 2 ▽  <idPkg:Styles xmlns:idPkg="http://ns.adobe.com/AdobeInDesign/idml/1.0/packaging">
 3 ▽      <RootCharacterStyleGroup Self="u6a">
 4 ▽          <CharacterStyle Self="CharacterStyle\k[No character style]" Imported="false"
 5              Name="$ID/[No character style]"/>
 6          </RootCharacterStyleGroup>
 7 ▽      <RootParagraphStyleGroup Self="u69">
 8 ▶          <ParagraphStyle Self="ParagraphStyle\k[No paragraph style]" Name="$ID/[No paragraph style]" [1
119 ▽          <ParagraphStyle Self="ParagraphStyle\kNormalParagraphStyle" Name="$ID/NormalParagraphStyle"
120              Imported="false" NextStyle="ParagraphStyle\kNormalParagraphStyle" KeyboardShortcut="0 0">
121 ▶              <Properties> [3 lines]
125          </ParagraphStyle>
126      </RootParagraphStyleGroup>
127 ▽  <TOCStyle Self="TOCStyle\kDefaultTOCStyleName" TitleStyle="ParagraphStyle\k[No paragraph style]"
128          Title="Contents" Name="$ID/DefaultTOCStyleName" RunIn="false" IncludeHidden="false"
129          IncludeBookDocuments="false" CreateBookmarks="true" SetStoryDirection="Horizontal"
130          NumberedParagraphs="IncludeFullParagraph"/>
131 ▽  <RootCellStyleGroup Self="u77">
132 ▽      <CellStyle Self="CellStyle\k[None]"
133          AppliedParagraphStyle="ParagraphStyle\k[No paragraph style]" Name="$ID/[None]"/>
134      </RootCellStyleGroup>
135 ▽  <RootTableStyleGroup Self="u79">
136 ▶      <TableStyle Self="TableStyle\k[No table style]" Name="$ID/[No table style]" [48 lines]
185 ▶      <TableStyle Self="TableStyle\k[Basic Table]" Name="$ID/[Basic Table]" KeyboardShortcut="0 0">
190      </RootTableStyleGroup>
191 ▶  <RootObjectStyleGroup Self="u82"> [260 lines]
452 ▽  <TrapPreset Self="TrapPreset\kk[No Trap Preset]" Name="$ID/k[No Trap Preset]"
453          DefaultTrapWidth="0.25" BlackWidth="0.5" TrapJoin="MiterEndJoin" TrapEnd="MiterTrapEnds"
454          ObjectsToImages="true" ImagesToImages="true" InternalImages="false" OneBitImages="true"
455          ImagePlacement="CenterEdges" StepThreshold="10" BlackColorThreshold="100" BlackDensity="1.6"
456          SlidingTrapThreshold="70" ColorReduction="100"/>
457 ▶  <TrapPreset Self="TrapPreset\kkDefaultTrapStyleName" Name="$ID/kDefaultTrapStyleName" [4 lines]
462  </idPkg:Styles>
463
```

# XML: BackingStory.xml

```
c.xml  ×  │ ● Preferences.xml  ×  │ ● Styles.xml  ×  │ ● Spread_ub8.xml  ×  │ ● Spread_u104.xml  ×  │ ● Tags.xml  ×  │ ● BackingStory.xml  ×

 1   <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
 2 ▽ <idPkg:BackingStory xmlns:idPkg="http://ns.adobe.com/AdobeInDesign/idml/1.0/packaging">
 3 ▽     <XmlStory Self="u9a" AppliedTOCStyle="n" TrackChanges="false" StoryTitle="$ID/" AppliedNamedGrid="r
 4 ▽         <Properties>
 5 ▽             <ExcelImportPreferences type="list">
 6                 </ExcelImportPreferences>
 7 ▽             <WordRTFImportPreferences type="list">
 8                 </WordRTFImportPreferences>
 9 ▽             <TextImportPreferences type="list">
10                 </TextImportPreferences>
11 ▶            <StyleMappingPreferences type="list"> [5 lines]
17             </Properties>
18             <StoryPreference OpticalMarginAlignment="false" OpticalMarginSize="12" FrameType="TextFrameType
19 ▶           <MetadataPacketPreference> [4 lines]
24 ▽           <ParagraphStyleRange AppliedParagraphStyle="ParagraphStyle\kNormalParagraphStyle">
25 ▽               <CharacterStyleRange AppliedCharacterStyle="CharacterStyle\k[No character style]">
26                     <Content>   </Content>
27 ▽                   <XMLElement Self="di2" MarkupTag="XMLTag\cRoot">
28 ▽                       <XMLElement Self="di2i3" MarkupTag="XMLTag\cArticle">
29                             <XMLElement Self="di2i3i4" MarkupTag="XMLTag\cFigure" XMLContent="ucd"/>
30                             <XMLElement Self="di2i3i5" MarkupTag="XMLTag\cStory" XMLContent="ud3"/>
31                             <XMLElement Self="di2i3i6" MarkupTag="XMLTag\cStory" XMLContent="uef"/>
32                         </XMLElement>
33                     </XMLElement>
34                     <Content>   </Content>
35                 </CharacterStyleRange>
36             </ParagraphStyleRange>
37         </XmlStory>
38 </idPkg:BackingStory>
```
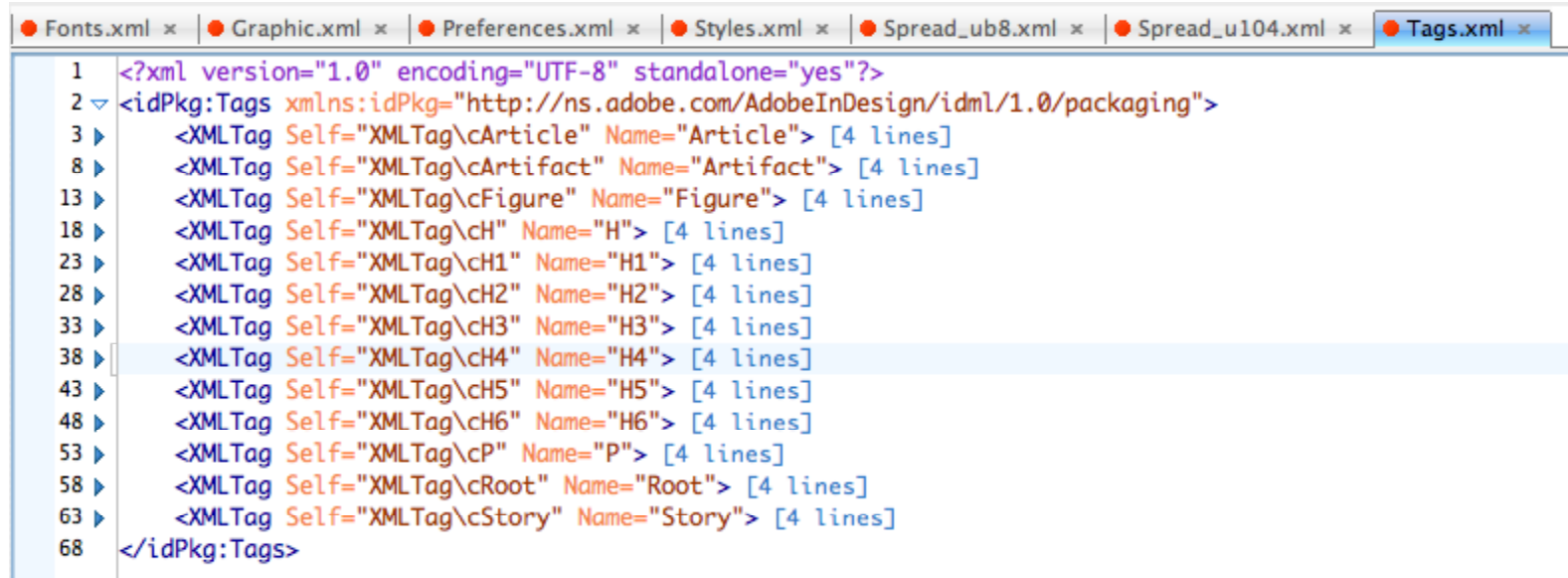
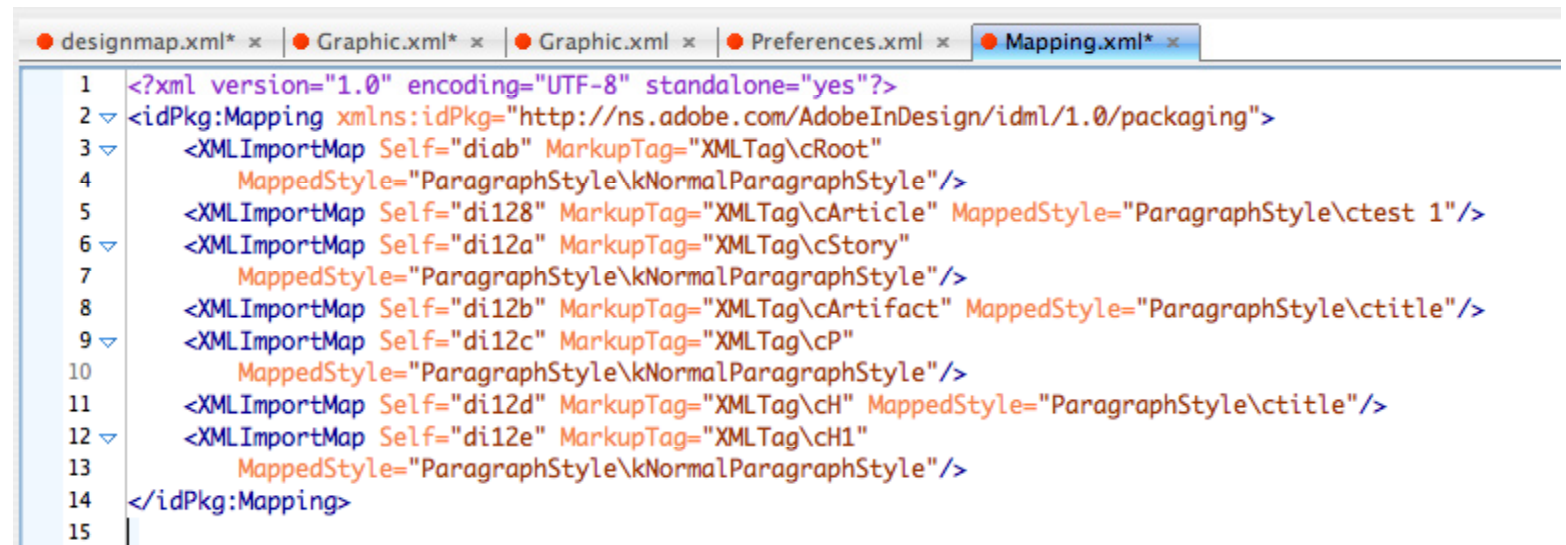The backingstory file lists InDesign page objects and their XML tags

# Resources: Tags.xml

The tags file lists all XML tags used in the InDesign document.

```
 Fonts.xml ×    Graphic.xml ×    Preferences.xml ×    Styles.xml ×    Spread_ub8.xml ×    Spread_u104.xml ×    Tags.xml ×

 1    <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
 2 ▽  <idPkg:Tags xmlns:idPkg="http://ns.adobe.com/AdobeInDesign/idml/1.0/packaging">
 3 ▶      <XMLTag Self="XMLTag\cArticle" Name="Article"> [4 lines]
 8 ▶      <XMLTag Self="XMLTag\cArtifact" Name="Artifact"> [4 lines]
13 ▶      <XMLTag Self="XMLTag\cFigure" Name="Figure"> [4 lines]
18 ▶      <XMLTag Self="XMLTag\cH" Name="H"> [4 lines]
23 ▶      <XMLTag Self="XMLTag\cH1" Name="H1"> [4 lines]
28 ▶      <XMLTag Self="XMLTag\cH2" Name="H2"> [4 lines]
33 ▶      <XMLTag Self="XMLTag\cH3" Name="H3"> [4 lines]
38 ▶      <XMLTag Self="XMLTag\cH4" Name="H4"> [4 lines]
43 ▶      <XMLTag Self="XMLTag\cH5" Name="H5"> [4 lines]
48 ▶      <XMLTag Self="XMLTag\cH6" Name="H6"> [4 lines]
53 ▶      <XMLTag Self="XMLTag\cP" Name="P"> [4 lines]
58 ▶      <XMLTag Self="XMLTag\cRoot" Name="Root"> [4 lines]
63 ▶      <XMLTag Self="XMLTag\cStory" Name="Story"> [4 lines]
68    </idPkg:Tags>
```

# Resources: Mapping.xml

The mapping file lists all the mapping relationships between XML tags and styles.

```
 designmap.xml* ×    Graphic.xml* ×    Graphic.xml ×    Preferences.xml ×    Mapping.xml* ×

 1    <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
 2 ▽  <idPkg:Mapping xmlns:idPkg="http://ns.adobe.com/AdobeInDesign/idml/1.0/packaging">
 3 ▽      <XMLImportMap Self="diab" MarkupTag="XMLTag\cRoot"
 4            MappedStyle="ParagraphStyle\kNormalParagraphStyle"/>
 5        <XMLImportMap Self="di128" MarkupTag="XMLTag\cArticle" MappedStyle="ParagraphStyle\ctest 1"/>
 6 ▽      <XMLImportMap Self="di12a" MarkupTag="XMLTag\cStory"
 7            MappedStyle="ParagraphStyle\kNormalParagraphStyle"/>
 8        <XMLImportMap Self="di12b" MarkupTag="XMLTag\cArtifact" MappedStyle="ParagraphStyle\ctitle"/>
 9 ▽      <XMLImportMap Self="di12c" MarkupTag="XMLTag\cP"
10            MappedStyle="ParagraphStyle\kNormalParagraphStyle"/>
11        <XMLImportMap Self="di12d" MarkupTag="XMLTag\cH" MappedStyle="ParagraphStyle\ctitle"/>
12 ▽      <XMLImportMap Self="di12e" MarkupTag="XMLTag\cH1"
13            MappedStyle="ParagraphStyle\kNormalParagraphStyle"/>
14    </idPkg:Mapping>
15
```

# MasterSpreads.xml

The MasterSpreads file contains the information for building master pages.

```
designmap.xml ×    MasterSpreads.xml* ×

1   <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
2   <idPkg:MasterSpreads xmlns:idPkg="http://ns.adobe.com/AdobeInDesign/idml/1.0/packaging">
3       <MasterSpread Self="ubf" ItemTransform="1 0 0 1 0 0" Name="A-Master" NamePrefix="A"
4           BaseName="Master" ShowMasterItems="true" PageCount="2" AppliedMaster="n"
5           OverriddenPageItemProps="">
6           <Page Self="uc4" Name="A" AppliedTrapPreset="TrapPreset\kkDefaultTrapStyleName"
7               AppliedMaster="n" OverrideList="" TabOrder="" GridStartingPoint="TopOutside"
8               UseMasterGrid="true">
9               <MarginPreference ColumnCount="1" ColumnGutter="12" Top="36" Bottom="36" Left="36"
10                  Right="36" ColumnDirection="Horizontal" ColumnsPositions="0 540"/>
11              <GridDataInformation FontStyle="Roman" PointSize="12" CharacterAki="0" LineAki="9"
12                  HorizontalScale="100" VerticalScale="100" LineAlignment="LeftOrTopLineJustify"
13                  GridAlignment="AlignEmCenter" CharacterAlignment="AlignEmCenter">
14                  <Properties>
15                      <AppliedFont type="string">Times</AppliedFont>
16                  </Properties>
17              </GridDataInformation>
18          </Page>
19          <Page Self="uc5" Name="A" AppliedTrapPreset="TrapPreset\kkDefaultTrapStyleName"
20              AppliedMaster="n" OverrideList="" TabOrder="" GridStartingPoint="TopOutside"
21              UseMasterGrid="true">
22              <MarginPreference ColumnCount="1" ColumnGutter="12" Top="36" Bottom="36" Left="36"
23                  Right="36" ColumnDirection="Horizontal" ColumnsPositions="0 540"/>
24              <GridDataInformation FontStyle="Roman" PointSize="12" CharacterAki="0" LineAki="9"
25                  HorizontalScale="100" VerticalScale="100" LineAlignment="LeftOrTopLineJustify"
26                  GridAlignment="AlignEmCenter" CharacterAlignment="AlignEmCenter">
27                  <Properties>
28                      <AppliedFont type="string">Times</AppliedFont>
29                  </Properties>
30              </GridDataInformation>
31          </Page>
32      </MasterSpread>
33  </idPkg:MasterSpreads>
34
```

The IDML package contains a separate XML file for each regular InDesign spread.

```
tainer.xml ×  ● Fonts.xml ×  ● Graphic.xml ×  ● Preferences.xml ×  ● Styles.xml ×  ● Spread_ub8.xml ×  ● Spread_u104.xml* ×

 1  <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
 2 ▽ <idPkg:Spread xmlns:idPkg="http://ns.adobe.com/AdobeInDesign/idml/1.0/packaging">
 3 ▽     <Spread Self="u104" FlattenerOverride="Default" ShowMasterItems="true" PageCount="2"
 4           BindingLocation="1" AllowPageShuffle="true" ItemTransform="1 0 0 1 0 972"
 5           AppliedMaster="ubf" PageTransitionType="None" PageTransitionDirection="NotApplicable"
 6           PageTransitionDuration="Medium">
 7 ▶         <FlattenerPreference LineArtAndTextResolution="300" GradientAndMeshResolution="150" [6 lines]
14 ▽         <Page Self="u118" Name="2" AppliedTrapPreset="TrapPreset\kkDefaultTrapStyleName"
15               AppliedMaster="ubf" OverrideList="" TabOrder="" GridStartingPoint="TopOutside"
16               UseMasterGrid="true">
17 ▶             <Properties> [9 lines]
27 ▽             <MarginPreference ColumnCount="1" ColumnGutter="12" Top="36" Bottom="36" Left="36"
28                   Right="36" ColumnDirection="Horizontal" ColumnsPositions="0 540"/>
29 ▶             <GridDataInformation FontStyle="Roman" PointSize="12" CharacterAki="0" LineAki="9" [6 lines]
36         </Page>
37 ▽         <Page Self="u119" Name="3" AppliedTrapPreset="TrapPreset\kkDefaultTrapStyleName"
38               AppliedMaster="ubf" OverrideList="" TabOrder="" GridStartingPoint="TopOutside"
39               UseMasterGrid="true">
40 ▶             <Properties> [9 lines]
50 ▽             <MarginPreference ColumnCount="1" ColumnGutter="12" Top="36" Bottom="36" Left="36"
51                   Right="36" ColumnDirection="Horizontal" ColumnsPositions="0 540"/>
52 ▶             <GridDataInformation FontStyle="Roman" PointSize="12" CharacterAki="0" LineAki="9" [6 lines]
59         </Page>
60     </Spread>
61 </idPkg:Spread>
```

# Stories: Story_xxx.xml

The IDML package contains a separate file for each story in the InDesign document. Story XML files contain the content of the stories, as well as associated styling information and XML tags.

```
                s.xml  ×  ● Spread_ub8.xml  ×  ● Spread_u104.xml  ×  ● Tags.xml  ×  ● BackingStory.xml  ×  ● Story_ud3.xml  ×   ● Story_uef.xml  ×
     1   <?xml version="1.0" encoding="UTF-8" standalone="yes"?>
     2 ▽ <idPkg:Story xmlns:idPkg="http://ns.adobe.com/AdobeInDesign/idml/1.0/packaging">
     3 ▽     <Story Self="uef" AppliedTOCStyle="n" TrackChanges="false" StoryTitle="$ID/" AppliedNamedGrid="n">
     4 ▽         <Properties>
     5 ▶             <ExcelImportPreferences type="list"> [1 line]
     7 ▶             <WordRTFImportPreferences type="list"> [1 line]
     9 ▶             <TextImportPreferences type="list"> [1 line]
    11 ▶             <StyleMappingPreferences type="list"> [5 lines]
    17         </Properties>
    18         <StoryPreference OpticalMarginAlignment="false" OpticalMarginSize="12" FrameType="TextFrameType"
    19 ▶       <MetadataPacketPreference> [4 lines]
    24         <InCopyExportOption IncludeGraphicProxies="true"/>
    25         <XMLElement Self="di2i3i6" MarkupTag="XMLTag\cStory" XMLContent="uef">
    26             <ParagraphStyleRange AppliedParagraphStyle="ParagraphStyle\kNormalParagraphStyle">
    27                 <CharacterStyleRange AppliedCharacterStyle="CharacterStyle\k[No character style]">
    28                     <Content>Sorry folks, we're fresh out of XML. Check back tomorrow.</Content>
    29                 </CharacterStyleRange>
    30             </ParagraphStyleRange>
    31         </XMLElement>
    32     </Story>
    33 </idPkg:Story>
```