

PROIV Version 6 PDF Printing

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1. Overview

PROIV version 6 now supports the production of a PDF using the standard PROIV spooler options. The Demo functions included with V6 and PROIV Developer both have examples of this.

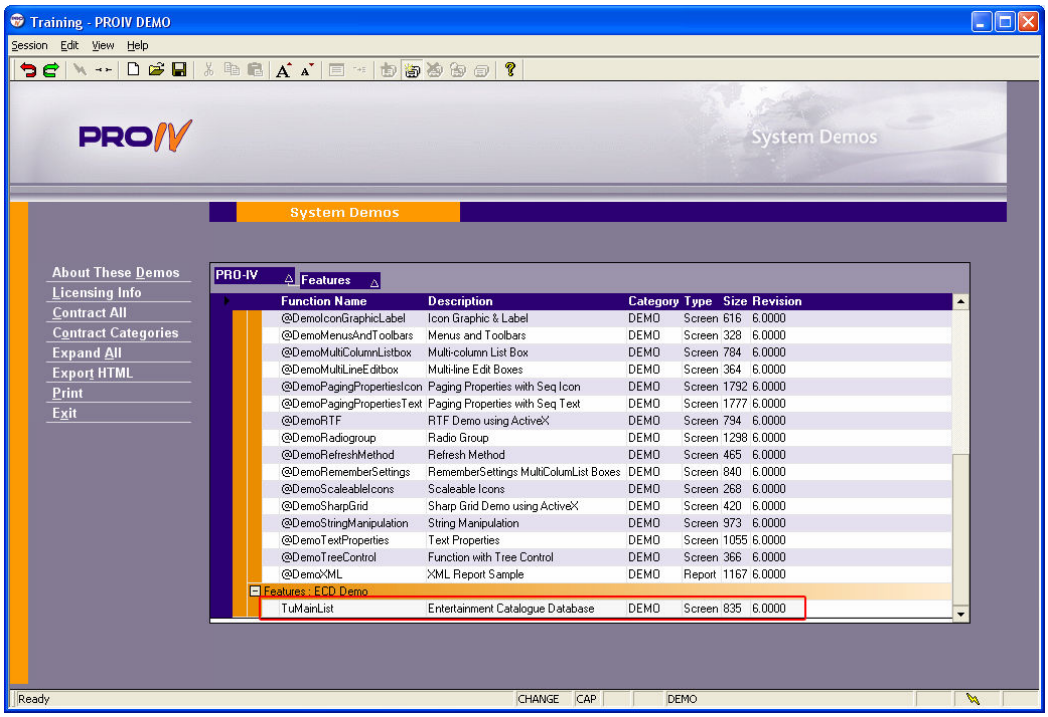
Once you are running under V6 there is no additional software required to produce this output. The output is produced using an XSLFO stylesheet. This means once you have developed the stylesheet they simple need to be deployed with the application for customers to produce the reports. This means no additional license costs.

The pages below outline how the Demo application produces the PDF below directly from PROIV.

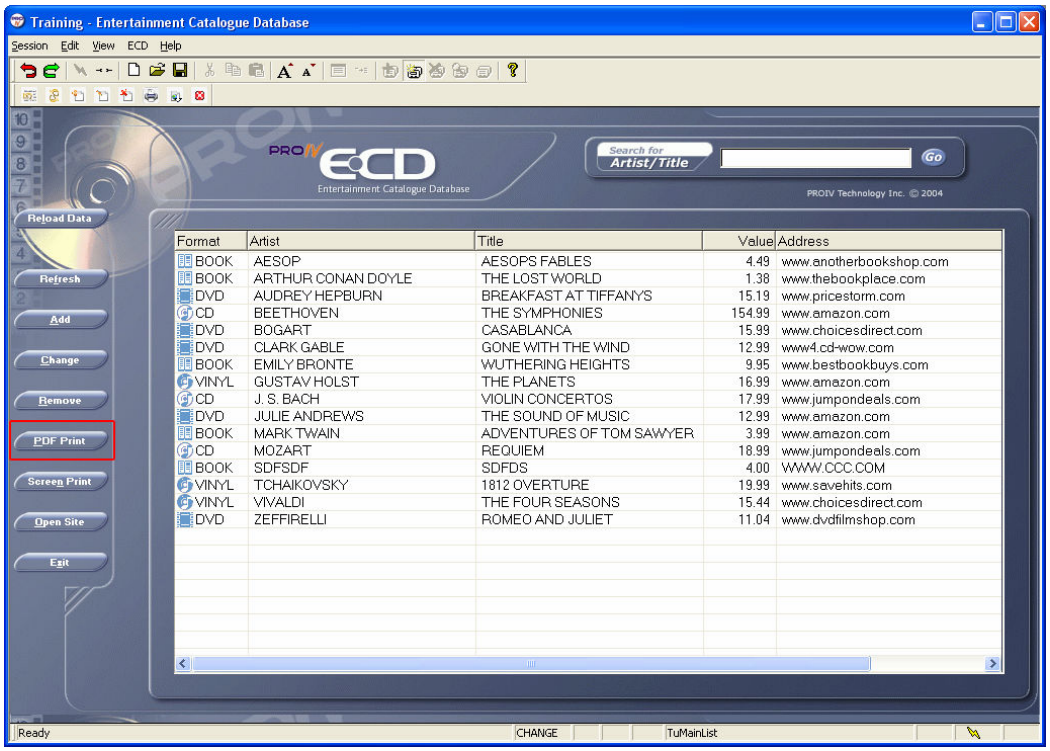


2. Demo Application

Included with PROIV version 5 and 6 are a number of Demo functions that demonstrate features of PROIV. To access these functions run the function "DEMO" to display the menu below. If you scroll to the bottom of the list select the option I have highlighted below to run the demo application.



To produce the PDF select the highlighted button below.



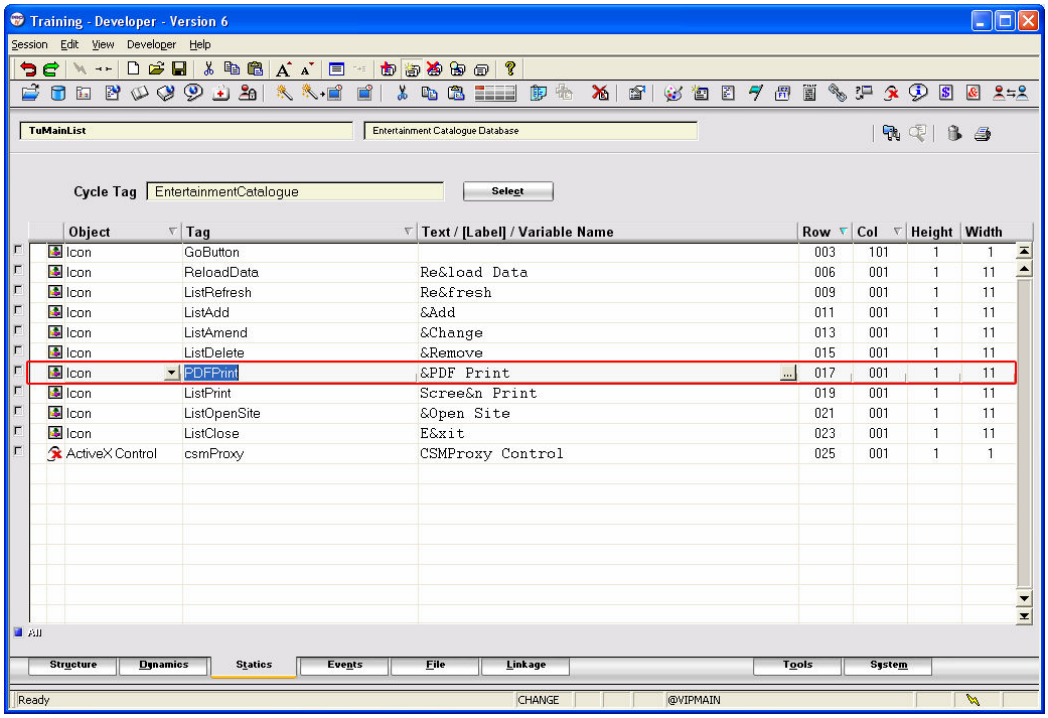


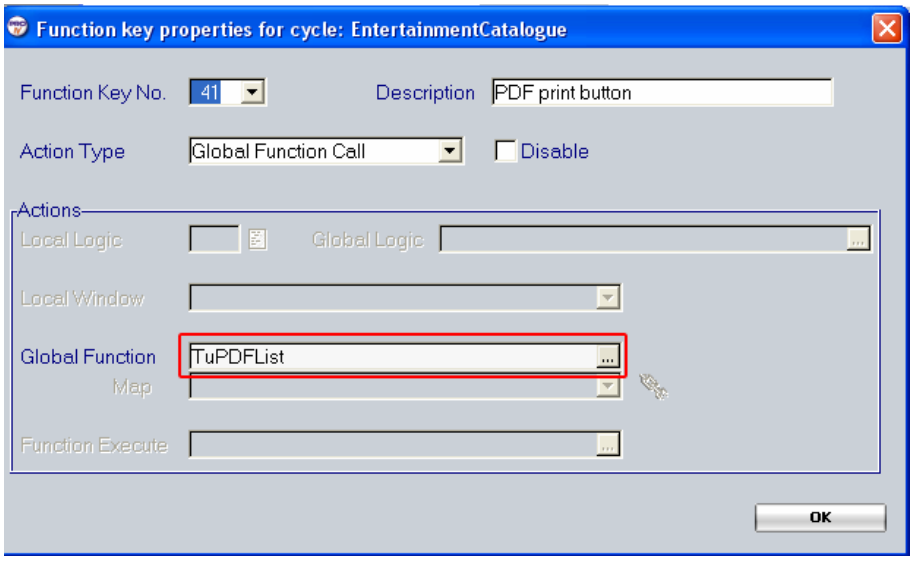
3. How is it done?

The first thing to point out about the demo functions and the demo application is all the source code has been provided.

3.1 Print PDF Button

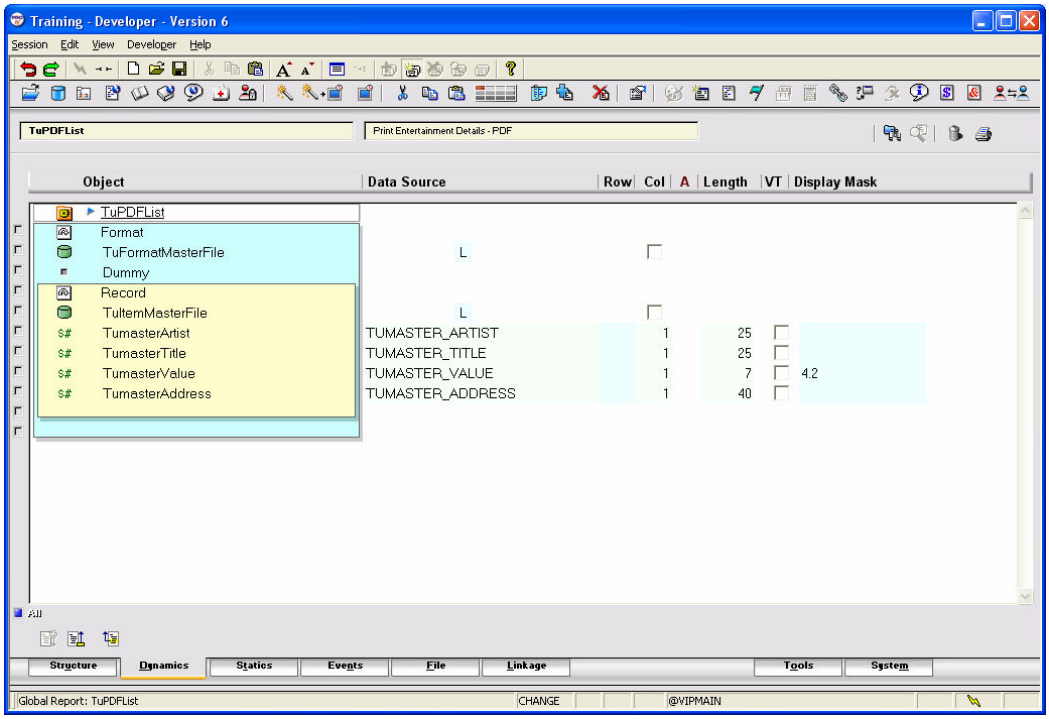
When you select the "Print PDF" button the event calls a global report called function "TuPDFList".



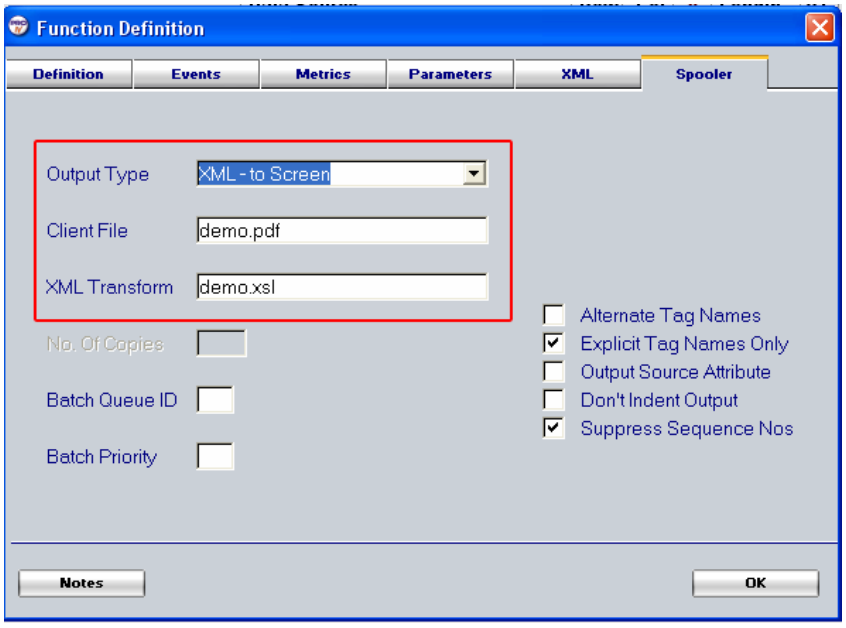


3.2 XML Report

The global report called "TuPDFList" is a standard PROIV report as shown below.



The spooler option for the report has been set to "XML – to Screen" and a stylesheet called "demo.xsl" has been specified as the transform.



3.2.1 XML Output Example

I removed the XML transform from the spooler to show the XML that is produced from the report.



3.2.2 Stylesheet

The screen below shows some of the XSLFO used to produce this PDF.




```
<xsl:stylesheet version="1.1" exclude-result-prefixes="fo" xmlns:fo="http://www.w3.org/1999/XSL/F
  <xsl:param name="path">D:\Program Files\Northgate\PROIV version 6\Virtual Machine\xsl\images/</

  <xsl:output version="1.0" omit-xml-declaration="no" indent="yes"/>

  <xsl:template match="Catalogue">

    <fo:root>

      <fo:layout-master-set>
        <fo:simple-page-master master-name="ecdDemo" page-height="21cm" page-width="35cm">
          <fo:region-body>
            <xsl:attribute name="background-image">
              <xsl:value-of select="$path"/>TU_Background.jpg</xsl:attribute>
          </fo:region-body>
          <fo:region-before extent="1cm" margin="0.3cm" display-align="after"/>
          <fo:region-after extent="2cm" margin="1.5cm"/>
        </fo:simple-page-master>
      </fo:layout-master-set>



      <fo:page-sequence master-reference="ecdDemo">

        <fo:flow flow-name="xsl-region-body">

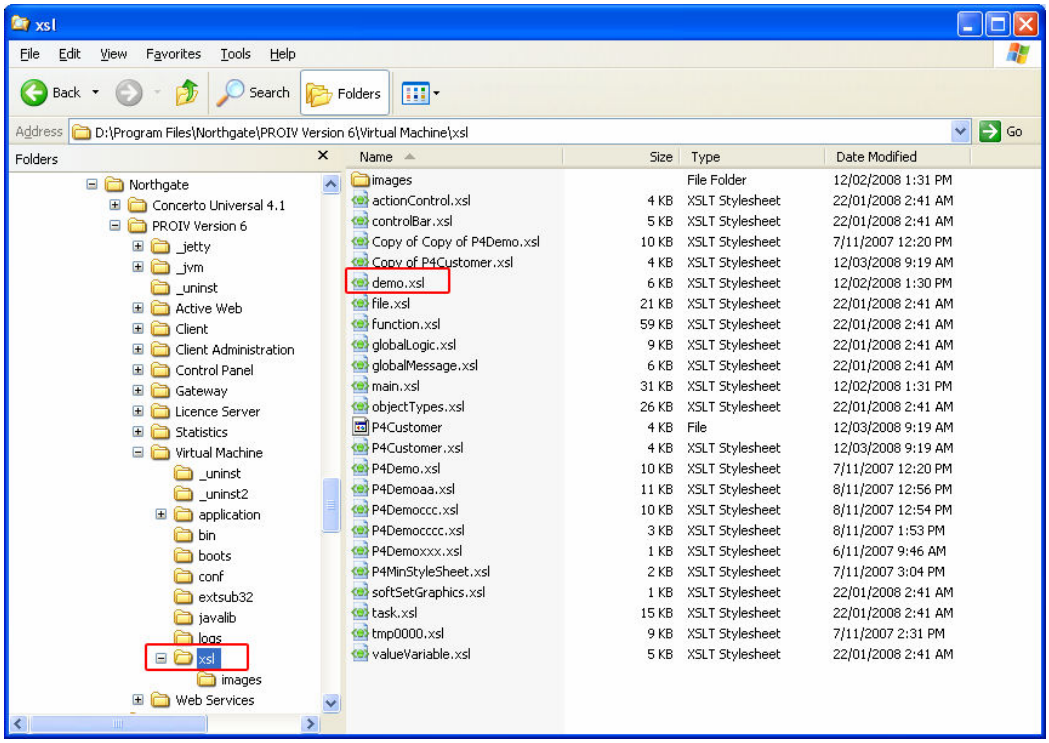
          <fo:block id="toc"/>
          <fo:block>

            <fo:table table-layout="fixed" width="100%">
              <fo:table-column column-width="7.5cm"/>
              <fo:table-column column-width="20cm"/>
              <fo:table-header>
                <fo:table-row>
                  <fo:table-cell height="3.4cm">
                    <fo:block/>
                  </fo:table-cell>
                </fo:table-row>
              </fo:table-header>
              <fo:table-body>
                <xsl:for-each select="Formats/Format">
                                <xsl:variable name="format" select="@name"/>
                                <xsl:variable name="desc" select="@desc"/>
                                <xsl:variable name="icon" select="@icon"/>
                                <fo:table-row>
                                        <fo:table-cell>
<fo:block/>
</fo:table-cell>
                                        <fo:table-cell padding-top="1cm">
                                                <fo:block>
                                                        <xsl:attribute name="id">
<xsl:value-of select="$format"/>Block</xsl:attribute>
                                                        <xsl:attribute name="keep-together">alway
                                                        <xsl:call-template name="writeTitle">
                                                                <xsl:with-param name="title" sele
                                                        </xsl:call-template>
                                                        <xsl:for-each select="Item">
                                        <xsl:call-template name="itemTable">
                                                                                                <
                                                                                                <
<xsl:value-of select="Title"/> - <xsl:value-of select="Artist"/>
</xsl:with-param>
                                                                                                <
<xsl:value-of select="Address"/>
</xsl:with-param>
```

3.3 Deployment

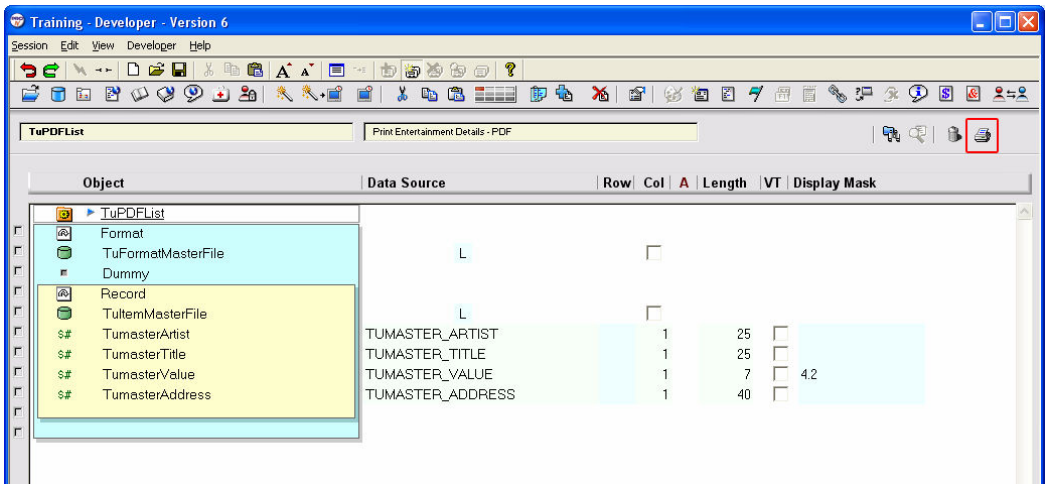
Once you have transferred your new code you simply need to deploy the Stylesheet into the folder below for PROIV to find it.

The example below is on Windows but the same folder exists in UNIX.

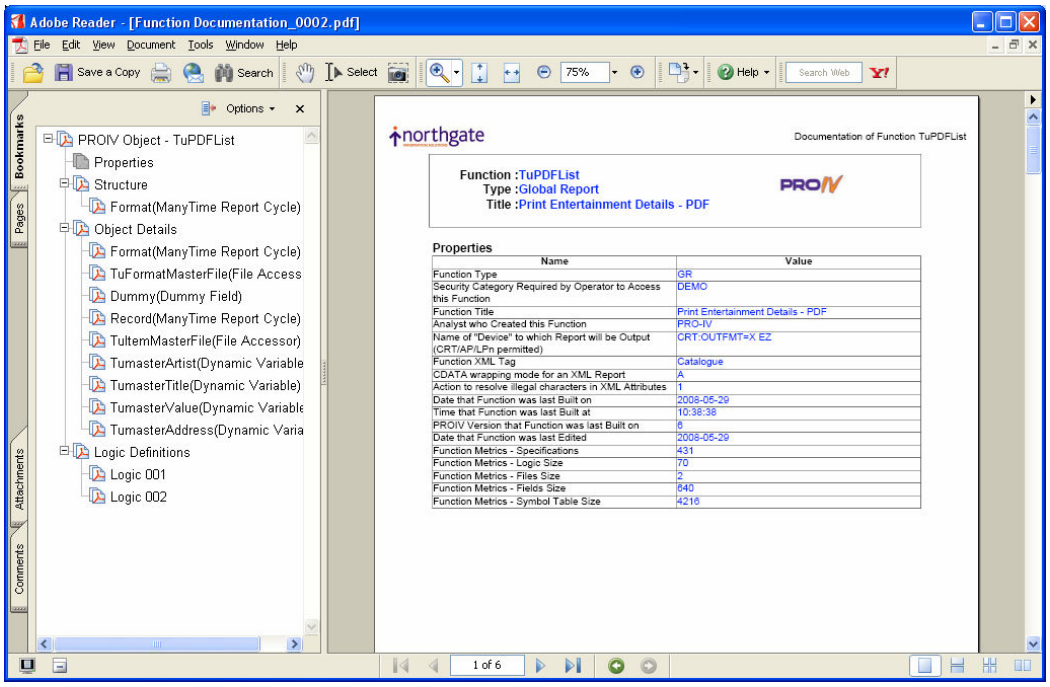


4. PROIV Documentation

PROIV Developer also has an example of printing to PDF. If you select the highlighted icon below your function is documented to PDF. All the stylesheets for this report can also be found in the folder shown on the previous page.



Notice how they have put a table of contents down the left side. This is performed in the stylesheet. Just think how good this would look in your applications. Imagine producing a report by department and listing the departments down the left. When the users selects the department the PDF jumps immediately to that page.



5. XSLFO Resources

5.1 Applications

There are a number of tools that allow you to develop stylesheets and some are WYSIWYG. They allow you to drag and drop items from your XML file onto a report and it generates the XSLFO for you. They also allow you to preview the PDF. The products below are all available as a trial download.

WYSIWYG
http://www.renderx.com/

http://www.altova.com/products/stylevision/xslt_stylesheet_designer.html

Not WYSIWYG but validate syntax
http://www.oxygenxml.com/

http://www.stylusstudio.com/

5.2 Books

http://www.amazon.com/Xsl-Fo-Dave-Pawson/dp/0596003552/ref=pd_bbs_2?ie=UTF8&s=books&qid=1212031987&sr=8-2

5.3 WEB Tutorial

http://www.w3schools.com/xslfo/default.asp