Setup Reference Guide
Oracle Banking Digital Experience
Release 21.1.0.0.0

Part No. F40800-01

May 2021

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Setup Reference Guide

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1. Preface

1.1 Intended Audience

This document is intended for the following audience:

* Customers
* Partners

1.2 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

1.3 Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit

http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit

http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

1.4 Structure

This manual is organized into the following categories:

Preface gives information on the intended audience. It also describes the overall structure of the User Manual.

The subsequent chapters describes following details:

* Introduction
* Preferences & Database
* Configuration / Installation.

1.5 Related Information Sources

For more information on Oracle Banking Digital Experience Release 21.1.0.0.0, refer to the following documents:

* Oracle Banking Digital Experience Installation Manuals

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2. Some currency symbols not displaying properly

2.1 Symptoms

Downloaded PDF contains characters such as "?" or "¤" or some other such unreadable character

Account Name / No.	Account Type	Holding Pattern	Net Balance
xxxxxxxxxxxx0116	Current	Single	¤496,427.82
xxxxxxxxxxxx0116	Current	Single	€ 19.021,04
xxxxxxxxxxxx0012	Current	Single	¤2,500,188.67

2.2 Cause

The currency codes mandate use of custom fonts. Due to lack of glyphs in the fonts used in PDF, the symbols are replaced by holder characters.

2.3 Solution Prerequisites

1. Minimum patch-set required is 19.1.0.1.0

2. Ensure that the content publisher for application/pdf media type is set to com.ofss.digx.appx.writer.content.PDFContentPublisher. To confirm, check the PUBLISHER_CLASS_NAME column in the table DIGX_FW_CONFIG_CONTENT_PUB_B where the column MEDIA_TYPE has the value application/pdf.

	MEDIA_TYPE	PUBLISHER_CLASS_NAME	CREATED_BY	LAST_UPDATED_BY	CREATION_DATE	LAST_UPDATED_
1	application/pdf	com.ofss.digx.appx.writer.content.PDFContentPublisher	obdxuser	obdxuser	17-04-19 01:05:40.000000000 PM	17-04-19 01:05:40.

2.4 Solution

1. Download the appropriate fonts that support the currencies you need to support. Ensure that you have acquired appropriate licenses for the use of the fonts.

2. Check if the file fop.xconf exists at the location <OBDX_INSTALL_DIR>/config. If the file exists, continue to step 4 else continue to step 3.

3. Create a new file with the name fop.xconf

4. Paste the below content into the fop.xconf file

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```
<fop version="1.0">

  <!-- Strict user configuration -->

  <strict-configuration>true</strict-configuration>


  <!-- Strict FO validation -->

  <strict-validation>false</strict-validation>


  <!-- Base URL for resolving relative URLs -->

  <base>./</base>


  <!-- Font Base URL for resolving relative font URLs -->

  <font-base>./fonts</font-base>


  <!-- Source resolution in dpi (dots/pixels per inch) for determining the
size of pixels in SVG and bitmap images, default: 72dpi -->

  <source-resolution>72</source-resolution>

  <!-- Target resolution in dpi (dots/pixels per inch) for specifying the
target resolution for generated bitmaps, default: 72dpi -->

  <target-resolution>72</target-resolution>


  <!-- default page-height and page-width, in case value is specified as
auto -->

  <default-page-settings height="29.7cm" width="21cm"/>


  <renderers>

    <renderer mime="application/pdf">

      <fonts>

        <font kerning="yes" embed-url="<Regular Font Filename>.ttf">

          <font-triplet name="<Font Name>" style="normal" weight="normal"/>

        </font>

        <font kerning="yes" embed-url="<Bold Font Filename>.ttf">

          <font-triplet name="<Font Name>" style="normal" weight="bold"/>
```

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```
            </font>

            <font kerning="yes" embed-url="<Italic Font Filename>.ttf">

              <font-triplet name="<Font Name>" style="italic" weight="normal"/>

            </font>

            <font kerning="yes" embed-url="<Bold Italic Font Filename>.ttf">

              <font-triplet name="<Font Name>" style="italic" weight="bold"/>

            </font>

          </fonts>

        </renderer>

      </renderers>

    </fop>
```

5. Replace the <Font Name> and <* Font Filename> place holders with the correct font name and file names of the fonts respectively.

6. Modify all XSLs available in subdirectories of "<OBDX_INSTALL_DIR>/config/resources" to replace font-family="Helvetica" with font-family="<Font Name>"

7. Restart all managed servers in the cluster and retest.

Note: Ensure that you replace <Font Name> and <* Font Filename> appropriately in the fop.xconf and all XSL files.

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3. Pre-generated Statements not showing characters correctly

3.1 Symptoms

Downloaded PDF contains characters such as "?" or "¤" or some other such unreadable character

```
DIST 1
?????       ?????       ?????       ????            ???
--------------------------------------------------------------------
ACC NO      ?????                   ????? ??? ?????       ?????      ????
--------------------------------------------------------------------------
```

3.2 Cause

The PDF being downloaded contains characters that cannot be represented using the standard "Courier" font family.

3.3 Solution Prerequisites

1. Minimum patch-set required is 19.1.0.1.0

2. Ensure that the content publisher for application/pdf media type is set to com.ofss.digx.appx.writer.content.PDFContentPublisher. To confirm, check the PUBLISHER_CLASS_NAME column in the table DIGX_FW_CONFIG_CONTENT_PUB_B where the column MEDIA_TYPE has the value application/pdf.

	MEDIA_TYPE	PUBLISHER_CLASS_NAME	CREATED_BY	LAST_UPDATED_BY	CREATION_DATE	LAST_UPDATED
1	application/pdf	com.ofss.digx.appx.writer.content.PDFContentPublisher	obdxuser	obdxuser	17-04-19 01:05:40.000000000 PM	17-04-19 01:05:40.

3.4 Solution

1. Download the appropriate fonts that support the currencies you need to support. Ensure that you have acquired appropriate licenses for the use of the fonts.

2. Check if the file fop.xconf exists at the location <OBDX_INSTALL_DIR>/config. If the file exists, continue to step 4 else continue to step 3.

3. Create a new file with the name fop.xconf

4. Paste the below content into the fop.xconf file

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```
<fop version="1.0">

  <!-- Strict user configuration -->
  <strict-configuration>true</strict-configuration>


  <!-- Strict FO validation -->
  <strict-validation>false</strict-validation>


  <!-- Base URL for resolving relative URLs -->
  <base>./</base>


  <!-- Font Base URL for resolving relative font URLs -->
  <font-base>./fonts</font-base>


  <!-- Source resolution in dpi (dots/pixels per inch) for determining the size of
pixels in SVG and bitmap images, default: 72dpi -->
  <source-resolution>72</source-resolution>
  <!-- Target resolution in dpi (dots/pixels per inch) for specifying the target
resolution for generated bitmaps, default: 72dpi -->
  <target-resolution>72</target-resolution>


  <!-- default page-height and page-width, in case value is specified as auto -->
  <default-page-settings height="29.7cm" width="21cm"/>


  <renderers>
    <renderer mime="application/pdf">
      <fonts>
        <font kerning="yes" embed-url="<Regular Font Filename>.ttf">
          <font-triplet name="<Font Name>" style="normal" weight="normal"/>
        </font>
        <font kerning="yes" embed-url="<Bold Font Filename>.ttf">
          <font-triplet name="<Font Name>" style="normal" weight="bold"/>
        </font>
        <font kerning="yes" embed-url="<Italic Font Filename>.ttf">
          <font-triplet name="<Font Name>" style="italic" weight="normal"/>
        </font>
        <font kerning="yes" embed-url="<Bold Italic Font Filename>.ttf">
          <font-triplet name="<Font Name>" style="italic" weight="bold"/>
        </font>
      </fonts>
    </renderer>
  </renderers>
</fop>
```

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5. Replace the <Font Name> and <* Font Filename> place holders with the correct font name and file names of the fonts respectively.

6. Modify all XSLs available in subdirectories of "<OBDX_INSTALL_DIR>/config/resources" to replace font-family="Courier" with font-family="<Font Name>"

7. Restart all managed servers in the cluster and retest.

Note: Courier font family is used primarily for its monospace characteristics. You might want to replace the font with another monospace font family.

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