

Setup Reference Guide
Oracle Banking Digital Experience
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1. Preface

1.1 Purpose

Welcome to the User Guide for Oracle Banking Digital Experience. This guide explains the operations that the user will follow while using the application.

1.2 Audience

This manual is intended for Customers and Partners who setup and use Oracle Banking Digital Experience.

1.3 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>.

Access to Oracle Support

Oracle customers that have purchased support 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 Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at [Critical Patches, Security Alerts and Bulletins](#). All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

1.5 Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

1.6 Conventions

The following text conventions are used in this document:

Convention	Meaning

boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>Italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

1.7 Screenshot Disclaimer

The images of screens used in this user manual are for illustrative purpose only, to provide improved understanding of the functionality; actual screens that appear in the application may vary based on selected browser, theme, and mobile devices.

1.8 Acronyms and Abbreviations

The list of the acronyms and abbreviations that you are likely to find in the manual are as follows:

Abbreviation	Description
OBDX	Oracle Banking Digital Experience

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

```

<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>
```

5. Replace the 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=""
7. Restart all managed servers in the cluster and retest.

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

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

```

<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>
      </font>
    </renderer>
  </renderers>
</fop>

```

5. Replace the 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=""
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.
