Oracle® Banking Digital Experience
Setup Reference Guide

Release 25.1.0.0.0

ORACLE®

Oracle Banking Digital Experience Setup Reference Guide, Release 25.1.0.0.0

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Preface

Purpose

This guide is designed to help acquaint you with the Oracle Banking application. This guide provides answers to specific features and procedures that the user need to be aware of the module to function successfully.

Audience

This document is intended for the following audience:

- Customers
- Partners

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 customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

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.

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.

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.
italic	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.

Related Resources

For more information on any related features, refer to the following documents:

- Oracle Banking Digital Experience Installation Manuals
- Oracle Banking Digital Experience Licensing Manuals

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes; actual screens that appear in the application may vary based on selected browser, theme, and mobile devices.

Acronyms and Abbreviations

The list of the acronyms and abbreviations used in this guide are as follows:

Table 1   Acronyms and Abbreviations

Abbreviation	Description
OBDX	Oracle Banking Digital Experience

1

Some currency symbols not displaying properly

1.1 Symptoms

This topic describes the systematic instruction to **Symptoms** option.

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

1.2 Cause

This topic provides information on **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.

1.3 Solution Prerequisites

This topic provides information on **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.

1.4 Solution

This topic provides information on **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.

```xml
<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 <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.

2

Pre-generated Statements not showing characters correctly

2.1 Symptoms

This topic provides information on **Symptoms**.

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

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

2.2 Cause

This topic provides information on **Cause**.

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

2.3 Solution Prerequisites

This topic provides information on **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

This topic provides information on **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 <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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