

User Password Printing Configuration Guide  
Oracle Banking Digital Experience  
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## User Password Printing Configuration Guide

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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
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<b>boldface</b>	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
<b>OBDX</b>	Oracle Banking Digital Experience

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## 2. OBDX User Password Print Configuration

### 2.1 Configure Password Encryption/Decryption Provider

1. When you create any new user or reset password for any existing user, user credential gets stored in system using two way cryptography so that same to be available for password printing
2. To override existing cryptography implementation, you need to perform following steps:
  - Add provider that implements **com.ofss.digx.app.sms.crypto.IUserCryptographyProvider**. Here you can add encryption and decryption implementation for Password.

**Example:**

```
package com.ofss.digx.app.sms.crypto;
```

```
public class CustomUserCryptographyProvider implements  
IUserCryptographyProvider {
```

```
@Override
```

```
public String decrypt(String value) {  
    // TODO Auto-generated method stub  
    return null;  
}
```

```
@Override
```

```
public String encrypt(String value) {  
    // TODO Auto-generated method stub  
    return null;  
}  
}
```

- Add one entry in Preferences.xml if not present for name '**UserConfig**'

**Example:**

```
<Preference name="UserConfig"
PreferencesProvider="com.ofss.digx.infra.config.impl.DBBasedPropertyProvider"
parent="jdbcpreference" propertyFileName="select prop_id, prop_value from
digx_fw_config_all_b where category_id = 'UserConfig'" syncTimeInterval="36000000" />
```

- Add one entry in database table digx\_fw\_config\_all\_b for **category\_id = 'UserConfig'** and **prop\_id = 'USER\_CRYPTO\_PROVIDER'**

```
Insert into DIGX_FW_CONFIG_ALL_B (PROP_ID, CATEGORY_ID, PROP_VALUE,
FACTORY_SHIPPED_FLAG, PROP_COMMENTS, SUMMARY_TEXT, CREATED_BY,
CREATION_DATE, LAST_UPDATED_BY, LAST_UPDATED_DATE, OBJECT_STATUS,
OBJECT_VERSION_NUMBER)
```

```
values ('USER_CRYPTO_PROVIDER','UserConfig
','com.ofss.digx.app.sms.crypto.CustomUserCryptographyProvider ','N',null,'Custom
provider for Password Encryption and
decryption','ofssuser',sysdate,'ofssuser',sysdate,'A',1);
```

---

**Note:** If above configuration is done, it will use **CustomUserCryptographyProvider** for password encryption and decryption and same encrypted password will be stored in DIGX\_UM\_PWD\_PRINTINFO table. Currently by default com.ofss.digx.app.sms.crypto.UserCryptographyProvider provider will used if no configuration is done.

---

## 2.2 Configure Password Printing adapter

1. After successfully storing password in System, same will be available for printing to administrator.

2. Currently when admin performs password printing for user, password printing data stored in system in blob using adapter.
3. To override existing password printing implementation, you need to perform following steps:
  - Add adapter that implements `com.ofss.digx.app.sms.user.printinformation.provider.IUserInfoPrintAdapter`. Here you can add implementation for printing document for a user. `PasswordPrintInformationDTO` object will contain username, password and other documents(Password Letter/Welcome Letter).

**Example:**

```
package com.ofss.digx.app.sms.user.printinformation.provider;

import com.ofss.digx.app.sms.dto.user.printInformation.PasswordPrintInformation
    DTO;

import com.ofss.digx.infra.exceptions.Exception;

public class CustomUserInfoPrintAdapter implements
    IUserInfoPrintAdapter {

    @Override

    public void print(PasswordPrintInformationDTO userprintDTO)
        throws Exception {

        // TODO Auto-generated method stub

    }

}
```

- Add one entry in `Preferences.xml` if not present for name 'UserPrintConfig'

**Example:**



```
<Preference name="UserPrintConfig"
PreferencesProvider="com.ofss.digx.infra.config.impl.DBBasedPropertyProvider"
parent="jdbcpreference" propertyFileName="select prop_id, prop_value from
digx_fw_config_all_b where category_id = 'UserPrintConfig'" syncTimeInterval="36000000"
/>
```

- Add one entry in database table digx\_fw\_config\_all\_b for **category\_id = 'UserPrintConfig'** and **prop\_id = 'USER\_INFORMATION\_PRINT\_PROVIDER'**

```
Insert into DIGX_FW_CONFIG_ALL_B (PROP_ID, CATEGORY_ID, PROP_VALUE,
FACTORY_SHIPPED_FLAG, PROP_COMMENTS, SUMMARY_TEXT, CREATED_BY,
CREATION_DATE, LAST_UPDATED_BY, LAST_UPDATED_DATE, OBJECT_STATUS,
OBJECT_VERSION_NUMBER)
```

values

```
('USER_INFORMATION_PRINT_PROVIDER','UserPrintConfig','com.ofss.digx.app.sms.
user.printinformation.provider.CustomUserInformationPrintAdapter','N',null,'Custom
adapter for User Password Information Printing','ofssuser',sysdate,'ofssuser',sysdate,'A',1);
```

---

**Note:** If above configuration is done, it will use **CustomUserInformationPrintAdapter** for user Password Information printing. Currently by default com.ofss.digx.app.sms.user.printinformation.provider.UserInformationPrintAdapter adapter will used if does not found any configuration.

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