

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 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 Patchset Release 22.2.4.0.0, refer to the following documents:

- Oracle Banking Digital Experience Installation Manuals

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="3600000" />
```

- 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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