Administration Guide **CUSTOMER**

SAP Customer Activity Repository, retail applications bundle
Document Version: 1.0.0 – 2016-11-25

SAP Promotion Management for Retail 8.2 Administration Guide



Content

1 Getting Started. 3

2 Naming Conventions. 6

3 Security Information. 8

3.1 Fundamental Security Guide. 8

3.2 User Administration and Authentication. 9

3.3 Network and Communication Security. 13

3.4 Authorizations. 14

3.5 Data Services. 23

4 Operation Information. 24

4.1 Monitoring. 24

4.2 Management of SAP Promotion Management for Retail. 30

5 Configuration Information. 34

5.1 Configuring Promotion Planning. 34

5.2 Importing Images for SAP Promotion Management for Retail. 40

1 Getting Started

Use

About This Document

This document is a single source of information for the implementation of SAP Promotion Management for Retail. It contains security and operation information, and is divided into the following main sections:

- Introduction with references to related documents and relevant SAP notes
- Security Information
- Operation Information

> **Note**
>
> You can find the most current version of this document on SAP Service Marketplace at http://service.sap.com/instguides.
>
> We strongly recommend that you use the document available there. The guide will be updated according to updates of the software.

Prerequisites

Important SAP Notes

Read the following SAP notes *before* you start installation. These SAP notes contain the most recent information on the installation as well as corrections to the installation documentation.

Make sure that you have the up-to-date version of each SAP Note, which you can find in the SAP Service Marketplace at the internet address: http://service.sap.com/notes

Table 1:

SAP Note Number	Title	Description
2026580	Release strategy for the ABAP add-on RTLPROMO	This SAP Note contains information about planning the installation and upgrades of the ABAP add-on [Add-on].
2292852	It is required to transfer Offers in SAP PMR to SAP ERP to enable logistical processing of the articles in the sites	This SAP Note describes ways to send non-transferrable offers to ERP by means of custom enhancements.

Information on the SAP Marketplace

Information on the following areas is available on the SAP Marketplace:

Table 2:

Description	Internet Address	Title
SAP HANA	http://help.sap.com/hana_appliance	SAP HANA Platform
SAP NetWeaver	http://help.sap.com/nw_platform	SAP NetWeaver 7.4

Information on SAP Customer Activity Repository

SAP Promotion Management for Retail is installed on top of SAP Customer Activity Repository. As such, refer to the documentation included with SAP Customer Activity Repository, in particular the following:

Table 3:

Documentation	Location
SAP Customer Activity Repository Installation Guide	http://service.sap.com/instguides *Industry Solutions* *Industry Solution Guides* *SAP for Retail* *SAP Customer Activity Repository*
SAP Customer Activity Repository Application Operations Guide	http://service.sap.com/instguides *Industry Solutions* *Industry Solution Guides* *SAP for Retail* *SAP Customer Activity Repository*
SAP Customer Activity Repository Security Guide	http://service.sap.com/instguides *Industry Solutions* *Industry Solution Guides* *SAP for Retail* *SAP Customer Activity Repository*

Further Useful Links

Table 4:

Description	Internet Address	Title
SAP Notes	http://service.sap.com/notes	Search for SAP Notes and SAP Knowledge Base Articles
Released platforms	http://service.sap.com/platforms	Platform and Technology Information Center
System sizing	http://service.sap.com/sizing	Quick Sizer tool. Note that the sizing depends on the consuming application.
Front-end installation	http://service.sap.com/instguides	Front End Installation Guide
Security	http://service.sap.com/security	SAP Security Guides

Installation and Configuration

For information on planning and installation of SAP Promotion Management for Retail, see the *Common Installation Guide*.

For information on configuring SAP Promotion Management for Retail see the *Common Master Guide*.

For more information in upgrading SAP Promotion Management for Retail, see the *Common Upgrade Guide*.

Related Information

For more information about implementation topics not covered in this guide, see the following content on SAP Service Marketplace:

Table 5:

Content	Location on SAP Service Marketplace
Latest versions of installation and upgrade guides	http://service.sap.com/instguides
Sizing, calculation of hardware requirements - such as CPU, disk and memory resource - with the Quick Sizer tool	http://service.sap.com/quicksizer
Released platforms and technology-related topics such as maintenance strategies and language support	http://service.sap.com/platforms To access the Platform Availability Matrix directly, enter http://service.sap.com/pam
Network Security	http://service.sap.com/securityguide
High Availability	http://www.sdn.sap.com/irj/sdn/ha
Performance	http://service.sap.com/performance
Information about Support Package Stacks, latest software versions and patch level requirements	http://service.sap.com/sp-stacks
Information about Unicode technology	http://www.sdn.sap.com/irj/sdn/i18n

Further Useful Links

The following table lists further useful links on SAP Service Marketplace:

Table 6:

Content	Location on SAP Service Marketplace
Information about creating error messages	http://service.sap.com/messages
SAP Notes search	http://service.sap.com/notes
SAP Software Distribution Center (software download and ordering of software)	http://service.sap.com/swdc
SAP Online Knowledge Products (OKPs) - role-specific learning maps	http://service.sap.com/rkt

2 Naming Conventions

Throughout this document the following naming conventions apply.

Definitions

The following terms are used consistently in the processes and procedures described in this guide:

Table 7:

Term	Definition
back-end system	The SAP NetWeaver-based back-end server on which SAP Customer Activity Repository and its consuming applications (such as SAP Assortment Planning for Retail and SAP Promotion Management for Retail) are installed.
front-end server	The SAP NetWeaver-based front-end server on which the SAP Gateway, SAP Fiori Launchpad, SAP Fiori Central UI, and SAP Fiori product-specific components are installed.
Common Installation Guide	Common Installation Guide for SAP Customer Activity Repository 2.0, SAP Assortment Planning for Retail 1.0, SAP Promotion Management for Retail 8.1. You can find this guide on SAP Service Marketplace at http://service.sap.com/instguides ▶ *Installation & Upgrade Guides* ▶ *Industry Solutions* ▶ *Industry Solution Guides* ▶ *SAP for Retail* ▶ *SAP Customer Activity Repository* ▶.
Common Master Guide	Common Master Guide for SAP Customer Activity Repository 2.0, SAP Assortment Planning for Retail 1.0, SAP Promotion Management for Retail 8.1. You can find this guide on SAP Service Marketplace at http://service.sap.com/instguides ▶ *Installation & Upgrade Guides* ▶ *Industry Solutions* ▶ *Industry Solution Guides* ▶ *SAP for Retail* ▶ *SAP Customer Activity Repository* ▶.
Common Upgrade Guide	Common Upgrade Guide for SAP Customer Activity Repository 2.0, SAP Assortment Planning for Retail 1.0, SAP Promotion Management for Retail 8.1. You can find this guide on SAP Service Marketplace at http://service.sap.com/instguides ▶ *Installation & Upgrade Guides* ▶ *Industry Solutions* ▶ *Industry Solution Guides* ▶ *SAP for Retail* ▶ *SAP Customer Activity Repository* ▶.

Naming Differences

Due to naming differences between the underlying technical objects of the components, the names of the following business objects are used interchangeably in this document:

Table 8:

SAP Customer Activity Repository	Demand Data Foundation (DDF) with Unified Demand Forecast (UDF)	SAP Promotion Management for Retail	SAP Assortment Planning for Retail	SAP Merchandise Planning for Retail	SAP ERP
article	product location (specific product in a specific location)	product	product	product	article material
article variant	product variant	product variant	product variant	product variant	article variant
store	location	location	location	location	store site

3 Security Information

With the increasing use of distributed systems and the Internet for managing business data, the demands on security are also on the rise. When using a distributed system, you need to be sure that your data and processes support your business needs without allowing unauthorized access to critical information. User errors, negligence, or attempted manipulation on your system should not result in loss of information or processing time. These demands on security apply likewise to SAP Promotion Management for Retail. To assist you in securing SAP Promotion Management for Retail, we provide this security information.

3.1 Fundamental Security Guide

SAP Promotion Management for Retail is based on the SAP NetWeaver technology platform. Therefore, the corresponding security guides also apply to SAP Promotion Management for Retail.

Table 9: Fundamental Security Guides

Scenario, Application or Component Security Guide	Most Relevant Sections or Specific Restrictions
SAP Customer Activity Repository Security Guide	http://help.sap.com/ ▶ *SAP for Retail* ▶ *SAP Customer Activity Repository* ▶ *Security Information* ▶
SAP NetWeaver Application Server ABAP Security Guide	http://help.sap.com/nw74/ ▶ *Security Information* ▶ *Security Guide* ▶ *Security Guides for SAP NetWeaver Functional Units* ▶ *Security Guides for the Application Server* ▶ *Security Guides for AS ABAP* ▶ *SAP NetWeaver Application Server ABAP Security Guide* ▶
Security section of the Administrator's Guide, SAP HANA Live for SAP Business Suite	http://help.sap.com ▶ *Master, Installation, Security, Configuration, and Operations Information Administrator's Guide* ▶
SAP HANA Security Guide	http://help.sap.com/hana/ ▶ *SAP HANA Platform* ▶ *Security Information* ▶ *SAP HANA Security Guide* ▶
SAP Fiori for Business Suite	http://help.sap.com/businesssuite/ ▶ *SAP Fiori for SAP Business Suite* ▶ *SAP Fiori for SAP Business Suite 7 Innovations 2013* ▶ *SAP Fiori Apps-Overview* ▶ *Transactional Apps and Fact Sheets* ▶ *Central Implementation* ▶ *Security* ▶

Scenario, Application or Component Security Guide	Most Relevant Sections or Specific Restrictions
SAP NetWeaver 7.4 Security Guide	http://help.sap.com/nw74 ▶ *Security Information* ▶ *Security Guide* ▶
SAP ERP 6.0 EHP 5 Security Guide	http://help.sap.com/erp/ ▶ *Security Information* ▶ *SAP Service Marketplace* ▶ *6.0, EHP5* ▶ *SAP ERP Central Component: Security Guide* ▶
Portal Security Guide	http://help.sap.com/nw74 ▶ *Security Information Security Guide* ▶ *Security Guides for SAP NetWeaver Functional Units Security Guides for Enterprise Portal (EP) and EP Core - Application Portal (EPC)* ▶ *Portal Security Guide* ▶
SAP NetWeaver Gateway Security Guide	http://help.sap.com/nwgateway
SAP for Retail (Industry Solution)	http://help.sap.com/retail-erp605/ ▶ *Security Information* ▶ *SAP Service Marketplace* ▶ *SAP Security Guide* ▶ *Industry Solution* ▶ *SAP for Retail* ▶ *SAP for Retail* ▶ *Security Guide* ▶

For a complete list of the available SAP Security Guides, see SAP Service Marketplace at http://service.sap.com/securityguide.

Configuration

You can find a summary of the configuration steps for implementing security for SAP Promotion Managementat http://help.sap.com/retail ▶ *SAP Assortment Planning for Retail* ▶ *Master Guide* ▶.

3.2 User Administration and Authentication

Use

SAP Promotion Management for Retail uses the user management and authentication mechanisms provided by SAP NetWeaver, in particular, the SAP NetWeaver Application Server ABAP and Java. Therefore, the security recommendations and guidelines for user administration and authentication per the SAP NetWeaver Application Server ABAP Security Guide and the SAP NetWeaver Application Server Java Security Guide also apply to SAP Promotion Management for Retail.

Features

User Management

User management for SAP Promotion Management for Retail uses the mechanisms provided with the SAP NetWeaver Application Server component (ABAP and Java), for example, tools, user types, and password policies. For an overview of how these mechanisms apply to SAP Promotion Management for Retail, see the following sections.

User Administration Tools

The following table lists useful information for user management tools:

Table 10:

Tool	Most Relevant Sections	Prerequisites
User and role maintenance with SAP NetWeaver AS ABAP (Transactions `SU01`, `PFCG`)	http://help.sap.com/nw_platform ▶ *Security Information* ▶ *SAP NetWeaver Security Guid* ▶ *Security Guides for SAP NetWeaver Functional Units* ▶ *Security Guides for the Application Server* ▶ *Security Guides for the AS ABAP* ▶ *SAP NetWeaver Application Server ABAP Security Guide* ▶ *AS ABAP Authorization Concept* ▶	SAP NetWeaver Application Server ABAP should be running.

User Types

It is necessary to specify different security policies for different types of users. For example, your policy may specify that individual users who perform tasks interactively have to change their passwords on a regular basis, but not those users under which background processing jobs run.

The user types that are required for SAP Promotion Management for Retail include:

- Individual Users
  - Dialog users are used for SAP GUI for Windows or RFC connections
  - Internet users are used for same policies apply as for dialog users, but used for internet connections
- Technical users:
  - Communication user type: used for dialog-free communication through external RFC calls
  - System and background user type: used for background processing and communication within the system, such as, running scheduled inbound/outbound dispatcher jobs

For more information about these user types, see topic *User Types* in the *User Authentication* structure in the SAP NetWeaver Application ABAP Security Guide.

Standard Users

SAP Promotion Management for Retail does not require specialized standard users. SAP Promotion Management for Retail indirectly uses SAP NetWeaver standard users.

For more information about these standard users, see topic *Protecting Standard Users* in the *User Administration* structure in the SAP NetWeaver Application ABAP Security Guide.

Integration into Single Sign-On Environments

SAP Promotion Management for Retail supports the Single Sign-On (SSO) mechanisms provided by SAP NetWeaver. Therefore, the security recommendations and guidelines for user administration and authentication as described in the SAP NetWeaver Security Guide also apply to SAP Promotion Management for Retail.

For more information about the available authentication mechanisms, see topic User Authentication and Single Sign-On in the User Authentication structure in the SAP NetWeaver Application Server ABAP Security Guide.

Secure Network Communications (SNC)

SNC is available for user authentication and provides for an SSO environment when using the SAP GUI for Windows or remote function calls.

For more information, see http://help.sap.com/ ▶ *SAP NetWeaver* ▶ *SAP NetWeaver 7.0 (2004s)* ▶ *SAP NetWeaver 7.0 Library.* ▶

Select a language and then choose ▶ *Administrator's Guide* ▶ *SAP NetWeaver Security Guide* ▶ *Security Guides for SAP NetWeaver According to Usage Types* ▶ *Security Guide for Usage Type AS* ▶ *SAP NetWeaver Application Server ABAP Security Guide* ▶ *User Authentication* ▶ *Authentication and Single Sign-On* ▶ *Secure Network Communications (SNC).* ▶

SAP Logon Tickets

SAP Promotion Management for Retail supports the use of logon tickets for SSO when using a Web browser as the front-end client. In this case, users can be issued a logon ticket after they have authenticated themselves with the initial SAP system. The ticket can then be submitted to other systems (SAP or external systems) as an authentication token. The user does not need to enter a user ID or password for authentication but can access the system directly after the system has checked the logon ticket.

SNC is available for user authentication and provides for an SSO environment when using the SAP GUI for Windows or remote function calls.

For more information, see http://help.sap.com/ ▶ *SAP NetWeaver* ▶ *SAP NetWeaver 7.4* ▶ *SAP NetWeaver 7.0 Library.* ▶

Select a language and then choose ▶ *Administrator's Guide* ▶ *SAP NetWeaver Security Guide* ▶ *Security Guides for SAP NetWeaver According to Usage Types* ▶ *Security Guide for Usage Type AS* ▶ *SAP NetWeaver Application Server ABAP Security Guide* ▶ *User Authentication* ▶ *Authentication and Single Sign-On* ▶ *Logon Tickets* ▶

Client Certificates

As an alternative to user authentication using a user ID and passwords, users using a Web browser as a front-end client can also provide X.509 client certificates to use for authentication. In this case, user authentication is performed on the Web server using the secure sockets layer protocol (SSL protocol) and no passwords have to be transferred. User authorizations are valid in accordance with the authorization concept in the SAP system.

For more information, see http://help.sap.com/ ▶ *SAP NetWeaver* ▶ *SAP NetWeaver 7.4* ▶ *SAP NetWeaver 7.4 Library.* ▶

Select a language and then choose ▶ *Administrator's Guide* ▶ *SAP NetWeaver Security Guide* ▶ *Security Guides for SAP NetWeaver According to Usage Types* ▶ *Security Guide for Usage Type AS* ▶ *SAP NetWeaver Application Server ABAP Security Guide* ▶ *User Authentication* ▶ *Authentication and Single Sign-On* ▶ *Client Certificates.* ▶

SAP Promotion Management uses the authorization concept provided by SAP NetWeaver. Therefore, the recommendations and guidelines for authorizations as described in the *SAP NetWeaver Application Server ABAP Security Guide* apply to SAP Promotion Management for Retail.

The SAP NetWeaver authorization concept is based on assigning authorizations to users based on roles. For role maintenance, use the profile generator (transaction PFCG) when using ABAP technology

> **Note**
>
> For more information, see http://help.sap.com/ ▸ *SAP NetWeaver* ▸ *SAP NetWeaver 7.4* ▸ *SAP NetWeaver 7.4 Library* ▸
>
> Select a language and then choose ▸ *Administrator's Guide* ▸ *SAP NetWeaver Security Guide* ▸ *User Administration and Authentication.* ▸

For more information about the available authentication mechanisms, see topic User Authentication and Single Sign-On in the User Authentication structure in the SAP NetWeaver Application Server ABAP Security Guide.

Logging and Tracing

- SAP Promotion Management for Retail relies on the logging and tracing mechanisms of SAP NetWeaver. For more information on logging and tracing, see http://help.sap.com/nw74 ▸ *Security Information* ▸ *Security Guides* ▸ *Security Guides for SAP NetWeaver Functional Units* ▸ *Security Guides for the Application Server* ▸ *Security Guides for AS ABAP* ▸ *SAP NetWeaver Application Server ABAP Security Guide* ▸ *Audit and Logging.* ▸
- SAP Promotion Management for Retail uses the exception workbench from the Demand Data Foundation (DDF): http://service.sap.com/instguides ▸ *Industry Solutions* ▸ *Industry Solutions Guides* ▸ *SAP for Retail* ▸ *SAP Customer Activity Repository* ▸

Logging and Tracing for Customizing Changes

To evaluate changes to the individual SAP Promotion Planning for Retail Customizing tables, use the `SCU3` transaction to activate the logging of changes to table data.

Troubleshooting

To view promotions in SAP ERP for offers which are successfully transferred within NetWeaver Business Client:

- Create a `PFCG` role in ERP having only transaction code `WAK3` assigned in the menu. The RFC connection needs to be mentioned for correct role creation.
- Import this role to a `PFCG` role created in SAP Promotion Management for Retail.
- In SAP Promotion Management for Retail, link the imported role to `OBN Offer.DisplayErpPromotion` (Method: `DisplayErpPromotion of Business Object /PRM/ISROF`).
  The selection screen should be skipped with the following parameter assignment `WAKHD-AKTNR = {WAKHD-AKTNR}`.
- If required, define a trusted system relationship between the SAP Promotion Management for Retail system and the connected ERP system by following the steps mentioned in the SAP note 128447. Ensure that the user for invoking the *Promotion Display* transaction in ERP has the right authorizations.
- If the above step is skipped, then there would be a need to logon to the remote ERP system with a valid user and password.

For more information see SAP Note 1550323.

3.3 Network and Communication Security

Your network infrastructure is extremely important in protecting your system. Your network needs to support the communication necessary for your business needs without allowing unauthorized access. A well-defined network topology can eliminate many security threats based on software flaws (at both the operating system level and application level) or network attacks such as eavesdropping. If users cannot log on to your application or database servers at the operating system or database layer, then there is no way for intruders to compromise the machines and gain access to the back-end system's database or files. Additionally, if users are not able to connect to the server LAN (local area network), they cannot exploit well-known bugs and security holes in network services on the server machines.

The network topology for SAP Promotion Management for Retail is based on the topology used by the SAP NetWeaver platform. Therefore, the security guidelines and recommendations described in the SAP NetWeaver Security Guide also apply to SAP Promotion Management for Retail. Details that specifically apply to SAP Promotion Management for Retail are described in the following topics:

- Communication Channel Security
  This topic describes the communication paths and protocols used by the application.
- Network Security
  This topic describes the recommended network topology for the application. It shows the appropriate network segments for the various client and server components and where to use firewalls for access protection. It also includes a list of the ports needed to operate the application.

Communication Channel Security

The table below shows the communication paths used by SAP Promotion Management for Retail, the protocol used for the connection, and the type of data transferred.

Table 11:

Communication Path	Protocol Used	Type of Data Transferred	Data Requiring Special Protection
Front-end client using SAP Fiori to SAP NetWeaver Gateway application server	HTTPS	Login Information data	Password
Front-end client using SAP Fiori to application Server	HTTPS	All Application Data	Transactional data
Application Server to application server	RFC	Application data	System information, personal data and transactional data

DIAG and RFC connections can be protected using Secure Network Communications (SNC). HTTP connections are protected using the Secure Sockets Layer (SSL) protocol. SOAP connections are protected with Web services security.

> **Recommendation**
>
> We strongly recommend using secure protocols (SSL, SNC) whenever possible.

For more information, see *Transport Layer Security* and *Web Services Security* in the *SAP NetWeaver Security Guide*.

Network Security

The network topology for SAP Promotion Management for Retail is based on the topology used by the SAP NetWeaver platform. Therefore, refer to the following documentation for information on network security:

- SAP NetWeaver 7.40
- SAP Supply Chain Management Security Guide
- SAP Supplier Relationship Management Security Guide
- SAP Customer Activity Repository Security Guide

Ports

SAP Promotion Management for Retail runs on SAP NetWeaver and uses the ports from the AS ABAP. For more information, see the topics for *AS ABAP Ports* in the corresponding *SAP NetWeaver Application Server ABAP Security Guide* . For other components, for example, SAPinst, SAProuter, or the SAP Web Dispatcher, see also the document *TCP/IP Ports Used by SAP Applications*, which is located on SAP Community Network (SCN) at http://scn.sap.com/community/security *Infrastructure Security* *Network and Communication Security*

3.4 Authorizations

Use

SAP Promotion Management for Retail uses the user management and authentication mechanisms provided with the SAP NetWeaver platform, in particular the SAP NetWeaver Application Server ABAP and Java. Therefore, the security recommendations and guidelines for user administration and authentication as described in the SAP NetWeaver Application Server ABAP Security Guide and SAP NetWeaver Application Server Java Security Guide also apply to SAP Promotion Management for Retail.

> **Note**
>
> For more information about how to create roles, see *Role Administration* in the *SAP NetWeaver Library*.

Prerequisites

As a security requirement, follow the instructions in the following see the following SAP Notes:

Table 12:

SAP Note Number	Description
1717945	Portal Logoff Does Not Logoff the Backend When Using HTTP Security Session Management
1471069	Security Note - ABAP Security Sessions and SAML 2.0
1490105	Closing All Portal Session Windows

SAP Promotion Management for Retail requires a layered system landscape. You must have the necessary users, roles, and authorization in all of the layers of SAP Promotion Management for Retail.

- Front-end server
  To use the *Manage Promotional Offers* SAP Fiori app you must hve a user on the SAP NetWeaver Gateway.
- Back-end server
  To access the relevant Customizing activities, and to use core SAP Promotion Management for Retail. you must have a user on the ABAP back-end server.

Features

The table lists standard roles used by Demand Data Foundation (DDF):

Table 13:

Role	Description
SAP_ISR_DMF_MASTER	Includes access to the following applications: • Product Groups • Placeholder Products • Location Groups • Define Area of Responsibility • Search for Schedule Jobs • Schedule Model and Forecasts • Monitor Imports • Configure Load Balancing • Monitor Exceptions • Monitor Compressed Data • Product • Search Placeholder Products • Transportation Lanes • Maintain Product Locations • Remove Time Series • Check Mass Maintenance
SAP_ISR_DMF_READONLY	Includes access to the following applications: • Product Groups • Placeholder Products • Location Groups • Define Area of Responsibility • Search for Schedule Jobs • Schedule Model and Forecasts • Monitor Imports • Configure Load Balancing • Monitor Exceptions • Monitor Compressed Data • Product • Search Placeholder Products • Transportation Lanes • Maintain Product Locations • Remove Time Series • Check Mass Maintenance

The table lists standard roles used by SAP Promotion Management for Retail:

Table 14:

Role	Description
SAP_ISR_PROMO_ADMINISTRATION	Includes access to all SAP Promotion Management for Retail applications and authorizations.
SAP_ISR_PROMO_MARKETING	Includes access to the following applications: • Campaign Schedule • Event Schedule • Offer Schedule • Planning Workbench • Vendor Fund Maintenance • Product Groups • Placeholder Products • Location Groups • Templates • Define Area of Responsibility • Schedule Jobs • Monitor Imports • Monitor Exceptions • Manage Images • Products • Placeholder Products • Transportation Lanes • Product Locations • Remove Time Series • Check Mass Maintenance

Role	Description
SAP_ISR_PROMO_MERCHANDISE	Includes access to the following applications: • Campaign Schedule • Event Schedule • Offer Schedule • Planning Workbench • Vendor Fund Maintenance • Product Groups • Placeholder Products • Location Groups • Templates • Define Area of Responsibility • Schedule Jobs • Schedule Model and Forecasts • Monitor Imports • Monitor Exceptions • Manage Images • Products • Placeholder Products • Transportation Lanes • Product Locations
SAP_ISR_PROMO_ADVERTISING	Includes access to the following applications: • Campaign Schedule • Event Schedule • Planning Workbench • Location Groups • Templates • Define Area of Responsibility • Manage Images
SAP_ISR_PROMO_READONLY	Includes access to all SAP Promotion Management for Retail applications with read-only authorization
SAP_PMR_TCR_T	Grants access to the Mange Promotional Offers Fiori transactional app.

Standard Authorization Objects

The table shows the security-relevant authorization objects that are used by SAP Promotion Management for Retail.

Table 15: Standard Authorization Objects

Authorization Object	Field	Value	Description
CA_POWL	POWL_APPID POWL_CAT POWL_LSEL POWL_QUERY POWL_RA_AL POWL_TABLE		Authorization for Personal Object Worklist (POWL) menu function for the DDF POWL applications.
S_START	Object Name Object Type Program ID	/DMF/* and /PRM/* POWL WDYA R3TR	The authorization object S_START is used during the start authorization check for particular TADIR objects, such as Web Dynpro applications. Note that you must not use this object directly in your own coding. The object can only be used through the class CL_START_AUTH_CHECK.The concept of the start authorization check for program objects with object catalog entries is described in SAP Note 1413011
S_TCODE		/DMF/TS_DELETE RSM37 SM37	Transaction Code Check at Transaction Start
/PRM/CMPN	ACTV	01 Create 06 Delete 06 Delete D1 Copy	Authorization for Campaign Maintenance application. 01 allows user to create campaign. 06 allows user to delete an event. 23 allows user to edit an event. D1 with 01 allows a user to create a campaign with reference.

Authorization Object	Field	Value	Description
/PRM/OFFR	ACTVT	01 Create or generate 02 Change 03 Display 06 Delete 23 Maintain 61 Export 75 Remove 78 Assign D1 Copy	Offer authorization object. 01 enables the *Create Without Reference* button. If user has only 01 authorization, all functionality is available except the authorization to assign attributes in create mode. 02 enables the *Update Status* and *Update* buttons. User can save offers. If user has only 02 authorization, user cannot assign and remove attributes. 06 allows user to delete an offer. 23 allows user to create an offer in reference to a vendor fund; however, to save the offer, user must have either 01 or 02 authorization. 61 enables the *Transfer* button. 78 allows user to assign and remove attributes; however, to save, user must have either 01 or 02 authorization. D1 enables user to create with reference; however, to save the copied offer, user must also have either the 01 or 02 authorization.

Authorization Object	Field	Value	Description
/PRM/EVENT	ACTVT	01 Create 06 Delete 23 Maintain 43 Release 61 Export D1 Copy	Event authorization object. 01 allows user to create an event. 06 allows user to delete an event. 23 allows user to edit an event, deliver an event, and refresh offer financials. 43 allows user to transfer an event. 61 allows user to export an event. D1 with 01 allows user to create an event with reference to another event.
/PRM/VDRDL	ACTVT	01 Create 02 Change 06 Delete	Vendor deal authorization object. 01 allows user to create a vendor deal. 02 allows user to edit a vendor deal. 01 or 02 allows user to assign or unassign attributes to a vendor deal. 06 allows user to delete a vendor deal.
/PRM/RM	ACTVT	01 Create 02 Maintain 06 Delete 10 Post D1 Copy	Representation management authorization object. 01 allows user to create a template. 02 allows user to edit a template. 06 allows user to delete a template. 10 allows user to post and unpost a template. D1 allows user to copy a template.

Security Protection

To increase security and prevent access to the SAP logon ticket and security session cookies, we recommend activating secure session management.

We also highly recommend using SSL to protect the network communications where these security-relevant cookies are transferred.

Session Security Protection on the AS ABAP

To activate session security on the AS ABAP, set the corresponding profile parameters and activate the session security for the client using the `SICF_SESSIONS` transaction.

For more information, see *Activating HTTP Security Session Management on AS ABAP* in the *SAP NetWeaver Application Server ABAP* security guide.

More Information

For more information about specific topics, see the quick links as shown in the table below.

Table 16:

Content	Quick Link on the SAP Marketplace or SAP Developer Network (SDN)
Security	http://sdn.sap.com/irj/sdn/security
Security guides	http://service.sap.com/securityguide
Related SAP Notes	http://service.sap.com/notes http://service.sap.com/securitynotes
Released platforms	http://service.sap.com/pam
Network security	http://service.sap.com/securityguide
SAP Solution Manager	http://service.sap.com/solutionmanager
SAP NetWeaver	http://sdn.sap.com/irj/sdn/netweaver

3.5 Data Services

All OData Services are delivered in an inactive state. You must activate these application specific services to use the SAP Fiori user intrface of the SAP Promotion Management for Retail application. The following OData services are available:

Table 17:

Service Name
/DMF/OFFER_MANAGEMENT_SRV
/DMF/TERM_OBJECT_SRV

4 Operation Information

Designing, implementing, and running your SAP applications at peak performance 24 hours a day has never been more vital for your business success than now.

This section provides a starting point for managing, maintaining, and running your application optimally. It contains specific information for various tasks and lists the tools that you can use to implement them.

> **Note**
>
> Adaptive Computing is a capability provided by SAP NetWeaver. Any component, for example SAP Promotion Management for Retail (SAP PMR), released on NetWeaver 4.6C or higher, can run within the NetWeaver adaptive framework.

4.1 Monitoring

Use

Monitoring is an essential task in the management of SAP technology. Monitoring allows you to detect any irregularities or deviations from an ideal business process flow or to detect error situations concerning a core business process at an early stage.

SAP Promotion Management for Retail supports monitoring functions within the Demand Data Foundation (DDF) framework. DDF uses the SAP NetWeaver standard functions for monitoring. For more information about standard functions for monitoring, see the SAP NetWeaver Operations Guide.

Features

Alert Monitoring

Computing Center Management System (CCMS) is not supported for the `RTLPROMO_810` component.

Component-Specific Monitoring

DDF provides CCMS monitoring for the following processes:

- Model by product location
- Model by hierarchy
- Forecast by product location
- Forecast by hierarchy

The Monitor Tree Elements (MTEs) must be verified and configured for the following processes:

- DMF_MODEL_PROCESSES_BY_HIER
- DMF_MODEL_PROCESSES_BY_PROD_LOC
- DMF_FORECAST_PROCESSES_BY_HIER
- DMF_FORECAST_PROCESSES_BY_PROD_LOC

Monitoring Details

Exception Handling

DDF uses the exception handling framework to log errors that arise while running background processes. You can define the exception messages in the system before actual exception instances can be created. The exception definition is based on the general ABAP message concept. Each exception is identified by a combination of a message class and a message number. Each instance of an exception has a unique internal ID (message handle).

> **Note**
>
> The following sub-objects do not use exception handling:
>
> - /DMF/OFFER_PURGE
> - /DMF/PHP
> - /DMF/ENGINE

Configuration of Exceptions

You can manage the exceptions in Customizing under *Cross-Application Components* > *Demand Data Foundation* > *Basic Settings* > *Exception Management.*

Configuration Data for High Level Exceptions

Cross-Application Components > *Demand Data Foundation* > *Basic Settings* > *Exception Management* > *Maintain Configuration Data for High Level Exceptions.*

You have the following customizing options:

- Assignment of business areas to exceptions
- Definition of exception priority
- Definition of message types
- Definition of validity period
- Definition of validity period

Configuration Data for Low Level Exceptions

You can define the priority of exceptions in Customizing under *Cross-Application Components* > *Demand Data Foundation* > *Basic Settings* > *Exception Management* > *Maintain Configuration Data for Low Level Exceptions.*

Customer-Specific Replacement Messages

You can define the replacement of messages in Customizing under *Cross-Application Components* > *Demand Data Foundation* > *Basic Settings* > *Exception Management* > *Define Customer-Specific Replacement Messages.*

Customizable Message Status

You can define the available exception status values in Customizing under *Cross-Application Components* > *Demand Data Foundation* > *Basic Settings* > *Exception Management* > *Define Customizable Message Status.*

Monitoring of Exceptions

You use the *Monitor Exceptions* function to review and process the exceptions that have been generated from the batch processes

You have the following features:

- Flexible filtering of exceptions
- Overview the number of exceptions
- Perform additional filtering based on the business area, the context type, or the context instance (value)
- Display of result of the selected exceptions in a table grid.
- Display of exception details including associated low level exceptions for one highlighted exception

Housekeeping for Exceptions

You can have a high number of exceptions that occur during the system operation. We recommend that you perform a regular purging (deletion) of obsolete exceptions.

Monitor Compressed Data

You use the *Monitor Compressed Data* screen to view *Time Series* data. The system uses the *Compressed Data Management* (CDM) function as the storage engine for the *Time Series* data. This data is compressed to save space and ensure optimal database table performance, but compression prevents data from being read by the *Data Browser* function (transaction `SE16`).

Application Log

The *Application Log* function collects messages, exceptions, and errors, and displays them in a log. This log provides you with basic header information, a message long text, detailed information, and technical information.

SAP Promotion Management for Retail consumes the Demand Data Foundation APIs. Therefore, the following log objects under `/DMF/APPL` and sub-objects are used for logging:

- `/DMF/ENGINE`
- `/DMF/MERCH_PLAN`
- `/DMF/OFFER`
- `/DMF/OFFER_PURGE`
- `/DMF/PHP`

Setting the Trace Level

The trace level controls the amount and type of information that will appear in the trace file. The three levels are as follows:

- ERROR - the trace file will only contain information (and in fact will only be created) when an actual runtime error occurs during execution of modeling and/or forecasting.
- WARNING - the trace file will contain all information normally found at the error level, plus information relating to out-of-the-ordinary conditions that might signal a potential problem.
- INFO - the trace file will contain all information normally found at the warning level plus information about the functioning of each call to modeling or forecasting, even when there are no errors or warnings.

By default, the trace level is set to ERROR, so that no trace file is produced unless an error occurs. This is the recommended setting.

Changing the Trace Level for Modeling

1. Define the model profile in the Customizing profile under *Cross-Application Components* > *Demand Data Foundation* > *Modeling and Forecasting* > *Maintain Forecast Profiles.*
2. Select the modeling profile for which you wish to adjust the trace level, and then select the *Model Configuration* folder.
3. Enter the trace level in the *Modeling Parameter Settings* field as follows: `trace_level=<INFO| ERROR | WARNING>`. If this field contains additional settings, separate the settings with a semicolon.
4. Note that this text field can contain additional settings. If so, separate the settings using a semicolon.

Viewing the Trace Files

Each execution of modeling or forecasting is referred to as a task, and is assigned a unique 32-character identifier called a task ID. The system places the trace files for a given task in a folder named after the task ID. The name of the trace file for modeling is `cam.trc` and the name of the trace file for forecasting is `fcst.trc`.

By default, the system creates these task directories in the `DIR_HOME` folder. The trace files can be viewed either on the host system using transaction `AL11`.

Changing the Location of Trace Files

By default, no particular location is specified for the trace file results. As a result, the system produces the trace files in the current working directory of the running science process. The working directory is in the `DIR_HOME` folder.

1. Define the model profile in the Customizing activity for *Maintain Forecast Profiles*.
2. Select the modeling profile for which you wish to adjust the trace level, and then select the *Model Configuration* folder.
3. Enter the file location in the *Modeling Parameter Settings* field as follows: `log_directory=<location>`. The location must already exist and must be writable by the operating system user that runs the science process. If this field contains additional settings, separate the settings with a semicolon.

Workload Monitors

When instances of an object are sent from an external system to DDF via an inbound remote function call (RFC) or Enterprise Services, the data is stored in the staging tables.

The transfer of objects can be triggered by an initial load as well as by a delta load that transfers modified instances of an object. You can schedule the `/DMF/PROCESS_STAGING_TABLES` report as a batch job to move data from the staging tables into the corresponding object. The following table lists all interfaces and indicates the relationship between the master data object and its corresponding interface tables:

Table 18:

Master Data Object	Interface Table	Description
Image Data	`DMF/MDIF_IMAGE`	Staging table for Image Header
	`DMF/MDIF_IMGTXT`	Staging table for Image Texts
Transportation Lane	`/DMF/MDIF_LANE`	Staging table for data of Transportation Lane

Master Data Object	Interface Table	Description
	/DMF/MDIF_LANEPC	Staging table for price data of Transportation Lane
	/DMF/MDIF_LANETD	Staging table for time dependent data of Transportation Lane
Location	/DMF/MDIF_LOC	Staging table for Location Header Data
	/DMF/MDIF_LOCADR	Staging table for Location Address Data
	/DMF/MDIF_LOCASS	Staging table for Location Hierarchy Assignment Data
	/DMF/MDIF_LOCTXT	Staging table for Location Text Data, including fax, telephone and URL
Location Hierarchy	/DMF/MDIF_LOCH	Staging table for Location Hierarchy Header Data
	/DMF/MDIF_LOCHAS	Staging table for Location Hierarchy Assignment Data
	/DMF/MDIF_LOCHN	Staging table for Location Hierarchy Node Data
	/DMF/MDIF_LOCHNT	Staging table for Location Hierarchy Node Text Data
	/DMF/MDIF_LOCHT	Staging table for Location Hierarchy Text Data
Product Location	/DMF/MDIF_PRLC	Staging table for Product Location Header Data
	/DMF/MDIF_PRLCCT	Staging table for Product Location time dependent Cost Data
	/DMF/MDIF_PRLCPR	Staging table for Product Location time dependent Price Data
	/DMF/MDIF_PRLCTD	Staging table for Product Location time dependent Data
Product	/DMF/MDIF_PROD	Staging table for Product Header Data
	/DMF/MDIF_PROASS	Staging table for Product Hierarchy Assignment Data
	/DMF/MDIF_PROTXT	Staging table for Product Description Data

Master Data Object	Interface Table	Description
	/DMF/MDIF_PROUOM	Staging table for Product Unit of Measure Data
Product Hierarchy	/DMF/MDIF_PROH	Staging table for Product Hierarchy Header Data
	/DMF/MDIF_PROHN	Staging table for Product Hierarchy Node Data
	/DMF/MDIF_PROHNT	Staging table for Product Hierarchy Node Text Data
	/DMF/MDIF_PROHTX	Staging table for Product Hierarchy Header Text Data

Table 19:

Technical Data Object	Interface Table	Description
Generic Time Series	/DMF/TS_GENERIC	Staging table for Generic Time Series Data
Inventory Data	/DMF/OPIF_INVENT	Staging table for Inventory Data
Sales Data	/DMF/BI_SALES	Staging table for BI Sales Data
Store Traffic	/DMF/BI_ST_TRAFF	Staging table for BI Store Traffic Data

The following remote function modules (RFCs) can be called to write data into staging tables:

Table 20:

Master Data Object	Remote Function Module
Image Data	/DMF/MDIF_IMAGE_DATA_INBOUND
Transportation Lane	/DMF/MDIF_LANE_INBOUND
Location	/DMF/MDIF_LOCATION_INBOUND
Location Hierarchy	/DMF/MDIF_LOC_HIER_INBOUND
Product Location	/DMF/MDIF_PROD_LOC_INBOUND
Product	/DMF/MDIF_PRODUCT_INBOUND
Product Hierarchy	/DMF/MDIF_PROD_HIER_INBOUND

Table 21:

Transactional Data Object	Remote Function Module
Generic Time Series	/DMF/TS_GENERIC_INBOUND
Inventory Data	/DMF/OPIF_INVENTORY_INBOUND
Vendor Fund	/DMF/OPIF_VENDOR_FUND_INBOUND
Sales Data	/DMF/BI_SALES_DATA
Store Traffic	/DMF/BI_SALES_DATA

You can schedule the /DMF/PROCESS_STAGING_TABLES report as a batch job to move data from the staging tables into the corresponding object.

Data Consistency

The external data providers that write data into the staging tables can additionally provide a high resolution time stamp when an RFC is called. Every data record within a staging table has a high resolution time stamp assigned (EXT_KEY_TST field) to it. This high resolution time stamp is part of the key of the data record within the staging table. Therefore, different records for the same object can exist at a point in time within the staging table. The processing of the data from the staging table into the corresponding business object ensures that the data of the newest data record within a staging table is processed.

Authorizations

To ensure the data consistency, only the users with authorizations can load the data into staging tables. The system performs authorization checks on the following function groups:

- /DMF/BI_SALES_INBOUND
- /DMF/MDIF_IMAGE_DATA
- /DMF/MDIF_LANE
- /DMF/MDIF_LOCATION
- /DMF/MDIF_LOC_HIER
- /DMF/MDIF_PRODUCT
- /DMF/MDIF_PROD_HIER
- /DMF/MDIF_PROD_LOC
- /DMF/OPIF_INVENTORY
- /DMF/TS_GENERIC_INBOUND

4.2 Management of SAP Promotion Management for Retail

Use

SAP provides an infrastructure to help your technical support consultants and system administrators manage the SAP components, as well as complete all technical administration and operation tasks.

For more information, see the technical operations guide for SAP NetWeaver in the SAP Help Portal at http://help.sap.com *System Administration and Maintenance Information* *Technical Operations Guide.*

Features

Starting and Stopping

When you start SAP NetWeaver, you start the system database, the application servers, and the respective processes of which the system consists.

For more information, see the technical operations guide for SAP NetWeaver in the SAP Help Portal at http://help.sap.com *System Administration and Maintenance Information* *Technical Operations Guide (English)* *General Administration Tasks* *Starting and Stopping SAP NetWeaver ABAP and Java.*

Backup and Restore

You back up your system landscape regularly to ensure that you can restore and recover it in case of failure. The backup and restore strategy of your system landscape must not only include your strategy for your SAP system, but it must also be included in your company's overall business requirements and incorporated into your entire process flow.

In addition, the backup and restore strategy must cover disaster recovery processes, such as how to recover from the loss of a data center due to a fire. You specify in your strategy that the normal data and the backup data are stored in separate physical locations, so that you do not lose both types of data in a disaster.

Scheduled Periodic Tasks

You can automatically schedule import tasks using the `/DMF/PROCESS_STAGING_TABLES` report in the `/DMF/EXT_IF_COMMON` package.

Required Manual Periodic Tasks

This section describes all manual tasks required to run periodically to keep the application running smoothly over time. A manual task needs a person to execute it. A scheduled task can be automated using a task scheduler program. Such tasks may be required on the component level and are therefore relevant in each scenario that uses the component. Other tasks may be relevant for certain business scenarios only. It is important that you monitor the successful execution of these tasks on a regular basis.

Table 22: Manual tasks for DDF

Task	Tool Supporting this Task	Recommended Frequency	Detailed Description
Purge Data	Report `/DMF/PURGE_AGENT`	As required	See the `/DMF/PURGE_AGENT` report documentation (transaction code `SE38`).

Task	Tool Supporting this Task	Recommended Frequency	Detailed Description
Delete Obsolete Time Series Data	Report `/DMF/TS_DELETE`	As required	You can select the data to be deleted by location and product using the key figure parameter (`KPRM`). The available time series types include: • Universal (UN) • Location Universal (UL) • Point of Sale (PS) • Syndicate Data (SY)
Delete Obsolete Exception Message Data	Program `/DMF/PURGE_EWB_MESSAGES`	As required	Execute or schedule the program. No parameter is required by this program. The purging is driven by the message configuration and the executed deletions in the UI.
Consolidate Time Series Data	Program `/DMF/TS_BUFFER_CLEAN`	As required	Use this function to clear the Time Series buffer to propagate the data to the final persistence engine in the Compressed Data Management module. Execute the program for each KPRM in which the Buffer Threshold parameter is greater than 0.

Load Balancing

The application uses the standard function of SAP NetWeaver for logon and load balancing.

For modeling and forecasting services, the maximum number of products and maximum number of demand group locations is essential.

During workload processing, the system breaks a single operation or service into many smaller tasks. It then runs each of these tasks as separate dialog work processes (task requests or screen changes), up to the configured maximum number of work processes. Since the system attempts to run this maximum number of processes in parallel, you use load balancing to help more evenly distribute workload within the system.

High Availability

This application is based on SAP NetWeaver technology. The high availability considerations that apply to SAP NetWeaver, such as increasing system availability, improving performance, and eliminating unplanned downtime, also apply to SAP Promotion Management for Retail.

For more information, see the *SAP High Availability* in the SAP Help Portal at http://help.sap.com/nw_platform ▶ *Application Help* ▶ *Function-Oriented View* ▶ *English* ▶ *Solution Life Cycle Management* ▶ *SAP High Availability*.

Support Desk Management

Support Desk Management allows you to set up an efficient internal support desk for your support organization that seamlessly integrates your end users, internal support employees, partners, and SAP Active Global Support specialists with an efficient problem resolution procedure.

For support desk management, you need the methodology, management procedures, and tools infrastructure to run your internal support organization efficiently.

Remote Support

If you want to use SAP remote services (for example, SAP EarlyWatch or Remote Consulting), or if you would like to permit an SAP support consultant to work directly in your system to make a more precise problem diagnosis, then you need to set up a remote service connection. Additionally, there exists an ABAP role for read-only access for remote support that is also relevant. This role (SAP_RCA_SAT_DISP for ABAP) is available in the STPI plug-in and is generated when a managed system is connected to SAP Solution Manager. Should any additional application-specific functionality be necessary for use by an SAP support consultant, then an applicable role should be defined providing the appropriate authorization(s) and assigned to the SAP support consultant's user login.

Problem Message Handover

To create SAP support messages for your installation, you must specify an application component.

For SAP Promotion Management for Retail, you can specify the CA-RT-PMR application component.

5 Configuration Information

You use this procedure to successfully set up your SAP Promotion Management for Retail system.

1. Configure promotion planning.
   You use this procedure to perform the suggested business processes as described in the Common Master Guide for Customer Activity Repository, retail application bundle 2.0.
2. Import images
   You use this procedure to import images into your SAP Promotion Management for Retail system.

5.1 Configuring Promotion Planning

To perform the suggested business processes as described in the Common Master Guide for Customer Activity Repository, retail application bundle 2.0, the following configuration activies are required.

Process: System Preparation

Table 23:

Transaction Type	Object	Path	Description
Transaction	SM31	Not Applicable	Call View Maintenance Like SM30
Transaction	SE38		Call View Maintenance Like SM30
Web DynPro	0E/dmf/wda_inf_wb? WDCONFIGURATIONID= %2fDMF %2fAPP_CFG_INF_WB		Interface Workbench

Transaction Type	Object	Path	Description
IMG Activity	/PRM/NR_EVT	*SAP Customizing Implementation Guide* > *Cross Application Cmponents* > *Promotions* > *Event* > *Maintain Number Range for Events*	Maintain number ranges for number range objects that you use in generation rules for events.
IMG Activity	/PRM/NR_TMPL	*SAP Customizing Implementation Guide* > *Cross Application Cmponents* > *Promotions* > *Templates* > *Maintain Number Range for Templates*	Maintain number ranges for number range objects that you use in generation rules for templates.

Transaction Type	Object	Path	Description
IMG Activity	/PRM/V_TEMPL_DIM	*SAP Customizing Implementation Guide* > *Cross Application Cmponents* > *Promotions* > *Templates* > *Maintain Number Range for Templates*	Maintain standard area template dimensions that will be used when creating area templates.
IMG Activity	/PRM/NR_CMP	*SAP Customizing Implementation Guide* > *Cross Application Cmponents* > *Promotions* > *Maintain Number Range for Campaigns*	Maintain number ranges for number range objects that you use in generation rules for campaigns..
IMG Activity	/PRM/CURR_DISP	*SAP Customizing Implementation Guide* > *Cross Application Cmponents* > *Promotions* > *Offer Preview* > *Maintain Currency Symbols for Offer Preview*	Maintain the currency symbol you wish to see in the user interface when previewing offers.

Transaction Type	Object	Path	Description
IMG Activity	/PRM/V_VARIABLE	*SAP Customizing Implementation Guide > Cross Application Cmponents > Promotions > Offer Preview > Maintain Currency Symbols for Offer Preview*	Maintain variables. These variables are assigned to templates, which in turn are used while previewing offers and events.

Process: Enabling Demand Data Foundation and Creating Demand Forecast

For information on the configuration activities for this process, see : *Enabling Demand Data Foundation and Creating Demand Forecast*

Process: Data Preparation

Table 24:

Transaction Type	Object	Description
Web Dynpro	0E/prm/a_maintain_template?IV_TEMPLATE_TYPE=a&IV_TRXN_MODE=01&WDCONFIGURATIONID=%252fPRM%252fCONF_MAINTAIN_TEMPLATE&WDCONFIGURATIONID=%2fPRM%2fCONF_MAINTAIN_TEMPLATE	Maintain Area Template Application
Web Dynpro	0E/prm/a_maintain_template?IV_TEMPLATE_TYPE=B&IV_TRXN_MODE=01&WDCONFIGURATIONID=%2fPRM%2fCONF_MAINTAIN_TEMPLATE	Maintain Block Template Application

Transaction Type	Object	Description
Web Dynpro	0E/prm/a_maintain_template?iv_template_type=C&IV_TRXN_MODE=01&WDCONFIGURATIONID=%252fPRM%252fCONF_MAINTAIN_TEMPLATE&WDCONFIGURATIONID=%2fPRM%2fCONF_MAINTAIN_TEMPLATE	Maintain Content Template Application
Transaction	SM37	Overview of job selection
Transaction	SE38	ABAP Editor
Transaction	SNRO	Number Range Objects

Process: Promotion Planning

Table 25:

Transaction Type	Object	Description
Web Dynpro	0E/prm/wda_campaign_details?IV_KEY=&IV_TRXN_MODE=&WDCONFIGURATIONID=%2fPRM%2fWDA_CAMPAIGN_DETAILS_ID	Campaign Maintenance
Web Dynpro	SE/prm/c_event_maint?IV_KEY=&IV_TRXN_MODE=01&WDCONFIGURATIONID=%2fPRM%2fC_EVENT_MAINT	Planning Event Maintenance Application
Web Dynpro	0E/prm/wda_promo_act_view?WDCONFIGURATIONID=%2fPRM%2fAPP_CFG_PROMO_ACT_VIEW	Promotion Planning Workbench
Web Dynpro	0E/prm/wda_vendor_fund_main?IV_ID=&IV_KEY=&IV_LOGSYS=&IV_TRXN_MODE=01&WDCONFIGURATIONID=&WDCONFIGURATIONID=%2fPRM%2fWDA_VENDOR_FUND_MAIN	Vendor Fund Application

Process: Offer Scheduling

Table 26:

Transaction Type	Object	Description
Web Dynpro	0E/prm/wda_offer_main?WDCONFI-GURATIONID=%2fPRM %2fAPP_CFG_OFFER_MAIN	
Web Dynpro	0E/prm/wda_offer_assignment? EVENT_ID=&EXT_OFR_ID=&IV_SHOW_ EVENT_NAME=&LOG_SYS_ID=&_____ _____=&WDCONFI-GURATIONID=PRM%2fAPP_CFG_OF-FER_ASSIGNMENT	
Web Dynpro	0E/prm/wda_ofr_search?WDCONFI-GURATIONID=%2fPRM %2fAPP_CFG_OFR_SEARCH	
Web Dynpro	0E/prm/wda_promo_act_view? WDCONFIGURATIONID=%2fPRM %2fAPP_CFG_PROMO_ACT_VIEW	

Process: Data Transfer (From SAP S/4 Hana?)

Table 27:

Transaction Type	Object	Path	Description
IMG activity	RDM_BBY_0003	*SAP Customizing Implementation Guide* > *Logistics General* > *Retail Promotion*	Maintain Number Ranges
IMG activity	SIMG_CFMENUOLSDBK004		Maintain Condition Type
IMG activity	RDM_BBY_0001		Maintain Bonus Buy Profiles
IMG activity	W_ZF_VK_0221	*SAP Customizing Implementation Guide* > *Logistics General* > *Retail Promotion* > *Promotion Type*	

Transaction Type	Object	Path	Description
Document	SAP Note 1509490		Bonus buy profile contains invalid condition types

Process: Manage Promotional Offers

5.2 Importing Images for SAP Promotion Management for Retail

You use this procedure to import images into your SAP Promotion Management for Retail system.

To import images in SAP Promotion Management for Retail, image information must be compiled according to precise specifications in a comma-separated values (CSV) file. The CSV file and its associated images are placed into two staging tables:

- The `/DMF/MDIF_IMAGE` table contains image information, such as the external image ID and the image type
- The `/DMF/MDIF_IMGTXT` table contains the image description for translation

The information in the staging tables is imported using the Monitor Imports function in SAP Promotion Management for Retail.

Procedure

1. 1.Create a CSV file using the following column headings and guidelines:

   Table 28:

Column Heading	Description of Contents	Values/Example	Length
Name	Name of image	myImage	40
Image_Format	Image format	jpeg, gi, bmp, png	10
Image_Size	File size in bytes	http://www.site.com/myImage.jpg	10
Actual_Path	URL to Image for SAP Promotion Management for Retail	http://www.site.com/myImage.jpg	255
High_Resolution_Path	Path to external location of high resolution image		255

Column Heading	Description of Contents	Values/Example	Length
Height	Image height in pixels	4000	10
Width	Image width in pixels	2000	10
Image_Type	Product or NonProduct	Product/Nonproduct Product images must be associated with an external product, placeholder product or product group external ID	30
Langu	Language code, used with the description	EN	2
Ext_image_id	External image ID. This is the main key on the image database table business object.		60
Ext_prod_id	External product ID	Optional. Used for products and placeholder products. Leave blank for non-product images.	
Description	Image description. This is language-specific and can be used to create translations to other languages.		100
Prod_md_system	Master data system in which the product originated		10
Prod_group_id	Product group identifier	Optional, use for product groups	10
Sales_org	Sales organization	optional	20
Distribution_ch	Distribution channel	optional	20
Bus_part_id	Business partner ID	optional	60
Part_role_cat_cd	Partner role code	optional	3
Bus_part_name	Partner name	optional	40

Column Heading	Description of Contents	Values/Example	Length
Image_attr_key	Images are assigned to products using attributes. The image attribute types are predefined in Customizing. This field associates this image to a specific image attribute type.		4

> **Note**
>
> All headings are mandatory and are case-sensitive. Column headings can be created in any order but the last column must be a required data column.

2. Store the CSV file in a folder with all the images you wish to download.
3. Start transaction `SM31`.
4. Enter `/DMF/C_MIME_PATH` and choose *Maintain*.
5. Make your entries and ensure the *Active* checkbox is selected.
6. Save your entries.
7. Start transaction `SE38`
8. Enter `/DMF/IMAGE_IMPORT` and choose *Execute*.
9. Make your entries and choose *Execute*.
10. Point the system to the path in which you saved your CSV file along with the images and choose *OK*.
11. Log onto SAP Promotion Management for Retail using the NetWeaver Business Client.
12. Choose *Services* > *Monitor Imports*.

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