GP CPG Digital Core

SAP Technical Design Specification Document Interfaces

|  |  |
| --- | --- |
| **Object ID** | MTN\_I0255 |
| **Object Type** | Interface |
| **Object Title** | DAM |
| **Process Area** | CTM  MTN  NTO  OTC  PTM  PTP  ITR  RTR  Data  Reporting & Analytics  Other |
| **Sub Process Area** | Hybris Commerce |
| **Complexity** | Simple  Medium  Complex  High Complex |
| **Interface Type** | Inbound  Outbound |
| **Source -> Target** | Hybris Commerce -> DAM |
| **Rollout information** <In which rollout this Conversion will be executed> | <D1>  <D2 >  <D3>  <D4>  <D5> |

Best Practices for Writing Interface Functional Specification

1. The content in ***BLUE*** is the synopsis of what the section of TDS should contain. Please remove the content in blue before updating the respective sections.
2. Refer to the Technical Specification Review checklist (TSR) for Interfaces before delivering the FDS for technical review.
3. Update “Table of contents” section before baselining/delivering/updating CR’s of the Functional Design Specification.
4. Section 1.2 – “Document History” is mandatory to log initial and further changes to the Functional Design Specification. Please highlight in different color if, critical content pertaining to a Change Request is being updated.
5. Enable Track changes if to modify Baseline Functional Design specification.
6. Section 1.3 – “Open Items” should capture all TBDs and pending business decisions on the respective design or impacting business decisions on dependencies.
7. Sections 6 - Should capture all possible business test cases. This will become the base for technical unit testing (TUT) and functional unit testing (FUT).
8. Process flow diagram should be mentioned in detail.
9. Critical or Mandatory section/s –

* **Section 4.5 – Interface mapping sheet needs to be complete.**

1. Please remove all sample texts and sample attachments after writing the TDS. They are only indicative in nature.

Table of Contents

[1 Document Control Information 4](#_Toc522724693)

[1.1 Document Information 4](#_Toc522724694)

[1.2 Document Edit History 4](#_Toc522724695)

[1.3 Document Review and Sign Off 4](#_Toc522724696)

[1.4 Open Items 5](#_Toc522724697)

[1.5 References 5](#_Toc522724698)

[1.6 Acronymns and Definitions 5](#_Toc522724699)

[2 Interface Specifications 6](#_Toc522724700)

[2.1 Overview 6](#_Toc522724701)

[2.2 Interface Data Flow Diagram 6](#_Toc522724702)

[2.3 Design Description 7](#_Toc522724703)

[2.4 Interface Definition 8](#_Toc522724704)

[2.5 Object Information 8](#_Toc522724705)

[2.6 Technical Assumptions and Dependencies 9](#_Toc522724706)

[2.6.1.1 Assumptions / special issues 9](#_Toc522724707)

[2.6.1.2 Execution Dependencies 9](#_Toc522724708)

[3 Technical Details 10](#_Toc522724709)

[3.1 Object Information 10](#_Toc522724710)

[3.2 Custom Objects Attributes 10](#_Toc522724711)

[3.3 Technical Logic Flow 11](#_Toc522724712)

[3.4 Data Layer Mapping 12](#_Toc522724713)

[3.5 Verification and Reconciliation 12](#_Toc522724714)

[3.6 Middleware Components Details 12](#_Toc522724715)

[3.7 Middleware Component Configuration Details 12](#_Toc522724716)

[4 Error Handling & Security 13](#_Toc522724717)

[5 Technical Unit Test Cases 14](#_Toc522724718)

[6 Attachments 15](#_Toc522724719)

# Document Control Information

## Document Information

|  |  |
| --- | --- |
| Document Identification | MTN\_I0255 |
| Document Name | Technical Specifications (Integration) – DAM |
| Project Name | GP CPG Digital Core |
| Client | GP |
| Document Author | Venkatesh Vengaldas |
| Document Version | 1.0 |
| Document Status | Draft |
| Date Released |  |

## Document Edit History

| Version | Date | Additions/Modifications | Prepared/Revised by |
| --- | --- | --- | --- |
| 1.0 | 14-Sep-2018 | Initial Version | Venkatesh Vengaldas |
|  |  |  |  |
|  |  |  |  |

## Document Review and Sign Off

| Reviewed By:  The “Reviewed By” signature indicates the individual(s) who reviewed this document for content and clarity, and to the best of their knowledge, this document satisfactorily achieves the purpose and scope defined herein: | | |
| --- | --- | --- |
|  | Name | Title/Role <Designation, Department> |
| Reviewed By | Jim Harrison | Integration Lead |
| Signature |  | Date: |
| Reviewed By |  |  |
| Signature |  | Date: |

| Approved By:  The “Approved By” signature indicates the individual(s) who approved this document for content and clarity, and to the best of their knowledge, this document complies with corporate policies and procedures: | | |
| --- | --- | --- |
|  | Name | Title/Role <Designation, Department> |
| Approved By | James Harrison | Technical Lead |
| Signature |  | Date: |
| Approved By |  |  |
| Signature |  | Date: |

## Open Items

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date Opened** | **Description** | **Assigned to** | **Due Date** | **Status** |
| 9/14/2018 | Which specific folders in OTMM will AutoAssignJob pick up for assignment | Venkat | 9/18/2018 | In-Progress |
| 9/14/2018 | Will AutoAssignJob assign all required assets needed for PDP | Venkat | 9/18/2018 | In-Progress |
| 9/14/2018 | Is there a base URI congiguration in Hybris for AMD destination | Venkat | 9/18/2018 | In-Progress |
| 9/14/2018 | Can OTMM provide all different resolutions and sizes of assets needed for content sites (Assets assigned using SmartEdit) | Venkat | 9/18/2018 | In-Progress |

## References

|  |  |  |
| --- | --- | --- |
| **Document ID** | **Description** | **Version** |
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## Acronymns and Definitions

Global Acronymns and definitions for all MTN eCommerce Functional Design Specifications can be found in the document GP\_MTN\_Explore\_FDS Definitions\_201804170849 (MTN Deliverables > Explore > Functional Design Specifications)

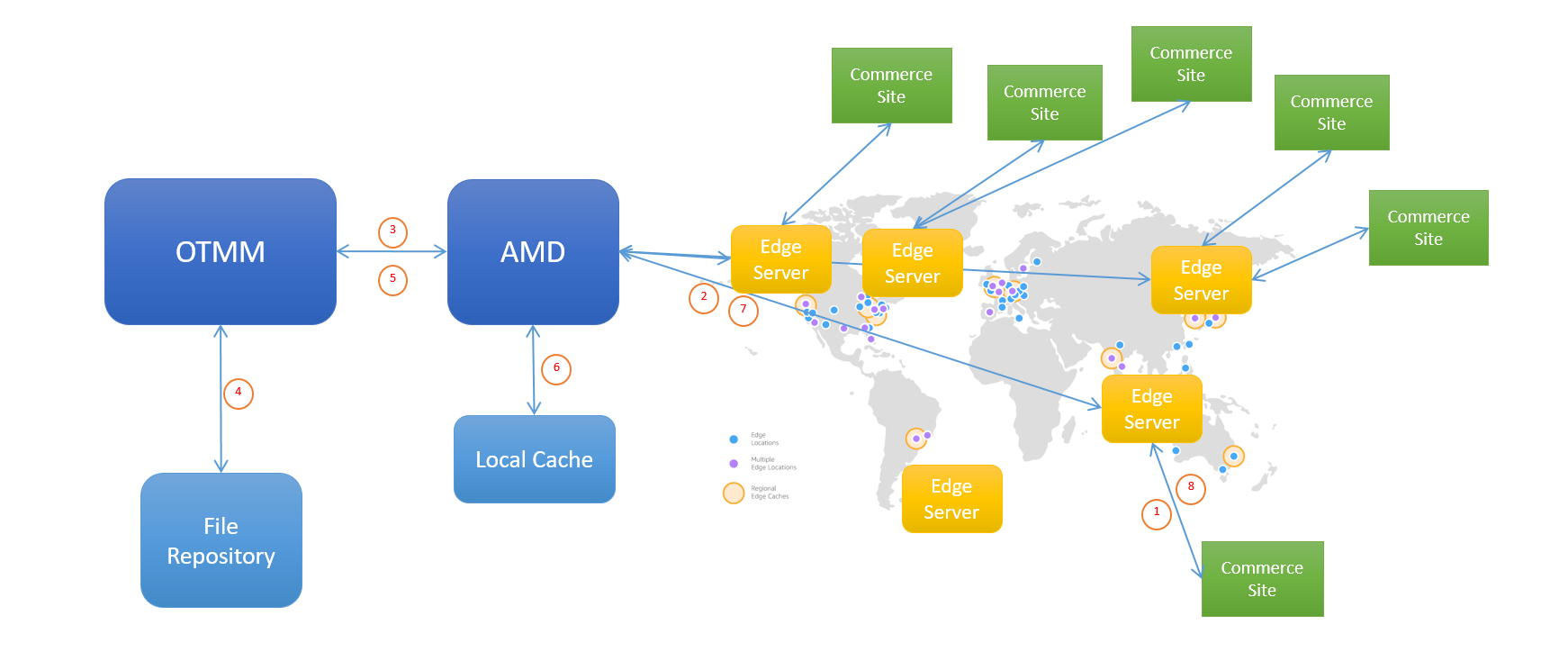
# Interface Specifications

## Overview

Hybris commerce needs to display digital assets like images associated with a product and non-product related images/assets. OpenText DAM contain all digital assets along with meta data about these documents. Digital assets are stored in OTMM and are transformed and cached at ADM. CDN servers will read ADM for assets and cache them at CDN layer as well. Hybris commerce will be reading images using CDN URL.

.

## Interface Data Flow Diagram



## Design Description

Hybris Commerce fetches asset data from DAM.

1. Hybris Commerce fetches product asset AMD URLs from DAM.
2. When user requests for product page, the product assets are fetched from AMD. After fetching the product information, a webservice call is made to DAM.
3. When user requests content pages, the content assets like banners are fetched from AMD.
4. Method is restricted to HTTPS channel.

## Interface Definition

|  |  |  |  |
| --- | --- | --- | --- |
| **Business Scenario** | The interfaces retrieve meta data and assets. | | |
| **Interface Type** | Inbound  Outbound  bidirectional | | |
| **Source System** | SAP  Hybris Commerce  Third Party | | |
| **Target System** | SAP  Hybris Commerce  Third Party (OpenText DAM) | | |
| **Execution Frequency** | On demand | | |
| **Average Volume** | 100 request/min | Peak Volume | 200 requests/min |
| **Execution Mode** | Synchronous  Asynchronous | | |
| **Additional Information** | Daily  Weekly  Monthly  As Required  Other: | | |
| **Security Requirements** | Authentication used by DAM | | |
| **Archival Requirements** | Session | | |

## 

## Object Information

|  |  |
| --- | --- |
| Program Name(s) | Interface to retrieve meta data and assets of products and content from DAM |
| Include Files | OOTB Extensions |
| Interface Transaction | The interfaces retrieve meta data and assets. |
| Called Transaction(s) |  |
| Authorization Object Used |  |
| Type of Interface | Inbound  Outbound  Both |
| Run Mode | Foreground  Background  Both |
| Frequency | Daily  Weekly  Monthly  As Required  Other: |
| Data Input Method | ALE/IDOC  Batch Input  Direct Input  BAPI/RFC  Other:\_\_\_\_\_\_\_\_\_\_ |
| External System(s) | OpenText DAM |
| Data Volume (Records) | 100 request/min |
| Upload File Type & Format | NA |
| Logical Path | NA |
| Logical File | NA |

## Technical Assumptions and Dependencies

#### Assumptions / special issues

1. Calls to DAM will be on demand only.
2. Assets URLs are served from AMD
3. The product assets URL would be accessible from Hybris commerce.

#### Execution Dependencies

1. DAM Link running.
2. Hybris Product info metadata maintained on OTMM assets.
3. DAM authentication details are available.

## 

# Technical Details

Following OTMM extension needs to be installed.

<extension name="otmmaddon" />

<extension name="otmmaddonui" />

<extension name="otmmaddonbackoffice" />

<extension name='otmmws' />

<extension name='otmmsmartedit' />

Following properties need to be set on Hybris side.

# OTMM settings

otmm.server.sso=FALSE

otmm.server.scheme=https

otmm.server.host=<host>

otmm.server.port=443

otmm.media.servlet.useAdaptiveMediaDelivery=TRUE

otmm.media.servlet.url=<Adaptivemedia Host>

otmm.server.login=<Service User>

otmm.server.password=<Service user passwrod>

otmm.model.image.format.list=OPENTEXT.PRODUCTS

otmm.hybris.systemId=SAPDAM

otmm.model.image.mimetype.default=image/jpeg

otmm.model.image.mimetype.OPENTEXT.PRODUCTS=image/jpeg

otmm.db.ignore.exclusive.lock=TRUE

Once these extesnsions are installed, assets can be assigned in following ways:

1. Asset assignment window from product cockpit and smartedit.
2. Product assest auto assignment using AutoAssignJob.

## Technical Logic Flow



The technical flow is listed below.

1. Once user views Product details page, Product data is fetched from Database.
2. Once product data is fetched, request will be sent to DAM for fetching product assets
3. Once the assets retrieval is successful, update the product data with asset related details.
4. On error the asset details will not be updated and no error would be thrown to user.
5. Once any content page is loaded, all assets will be fetched from DAM.

**3.4.1 UI Components**

|  |  |  |
| --- | --- | --- |
| Name | NA | |
| Description |  | |
| New/OOTB | NA | |
| Extends | NA | |
| Attribute Name | Data Type | Description |
| NA | NA | NA |

**3.4.2 Back-end components**

NA

## Data Layer Mapping

* + Product ID Field: GP.FIELD.SKU
  + Attribute ID Field: GP.FIELD.SORT ORDER
  + Assigned Field: GP.FIELD.ASSIGNED
  + System ID: <Leave Blank>

## Verification and Reconciliation

* Product can be picked up randomly from the log and can be validated using product id’s meta data to the asset details in DAM.

## 

## Middleware Components Details

NA

## Middleware Component Configuration Details

NA

# Error Handling & Security

|  |
| --- |
| Error Handling |
| * System error can occur either when data is sent from SAP Hybris Commerce to DAM. An administrator can monitor splunk if a system error occurs while sending the data from SAP Hybris Commerce to DAM. * In case of any error while asset assignment/auto assignment logs will be updated under saperate folder under ottm-connector in hybris log folder. * Hybris Log will contain the product related information during error – material number, timestamp and error message. |

|  |
| --- |
| Security |
| * HTTPS communication between Hybris and DAM will ensure all data is encrypted * Service user created by DAM is used in Hybris. Security roles can be managed in DAM. |

# Technical Unit Test Cases

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step#** | **Test Type** | **Scenario Title** | **Steps Performed** | **Expected Results** | **Actual Results** |
| 1 | Positive | View Product Detail Page | 1. Login to the GP site. 2. Select a product. 3. Click on Product Detail Page | 1. Product images shown 2. Product assets shown | 1. Product images shown 2. Product assets shown |
| 2 | Positive | Asset assignments – Backoffice | 1. Login to the GP back office.   1. Select a product catalog. 2. Click on Product and navigate to multimedia 3. Click on any image to assign a asset | 1. OpenText model launches and allows to select any image. | 1. OpenText model launches and allows to select any image. |
| 3 | Positive | Asset assignments – SmartEdit | 1. Login to the GP SmartEdit  2. Select a component and edit to assign an image. | 1. OpenText model launches and allows to select any image. | 1. OpenText model launches and allows to select any image. |
| 4 | Positive | View site home page | 1. Login to the GP site. 2. Go to home page | 1. Banner and other images are displayed. | 1. Banner and other images are displayed. |
| 5 | Negative | View Product Detail page | 1. Login to the GP site. 2. Select a product. 3. Click on Product Detail Page. | 1. There are no assets. | 1. There are no assets. |
| 6 | Negative | View site home page | 1. Login to the GP site. 2. Go to home page | 1. There are no assets. | 1. There are no assets. |

# Attachments

All related documents are under team’s folder - \GP yCommerce - Documents\yC-Tech Architecture\development\Reference Docs\dam

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