MD.070 Design Specification

Cirrus AP Trax Payment Recon Extract

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# Document Control

## Change Record

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| Date | Author | Version | Change Reference |
| --- | --- | --- | --- |
| 05-AUG-2019 | Siva Kumar Dandu | 1.0 | REL-031 Developed new Report to Extract Payment process files. |
| 31-JUL-2020 | Prasanth Thayi | 1.1 | REL-043 Modified bursting logic to send file to one more location GEINC6646064 / GERITM8285538 |
| 20-JAN-2024 | Karthik Chundi | 1.2 | REL-084 Emergency Release  updated bursting logic for file delivery from Fusion to other systems no longer involves the utilization of the profile option. |

## Reviewers

| Name | Position |
| --- | --- |
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# Technical Overview

1. The purpose of this task is to assemble all the information that is required to describe the design of a software component into a complete Design Specification. This task is not a substitute for executing the individual design tasks. This specification work product can serve as a structure for completing the design for each component by providing pointers back into the Design Tasks:   
   - DS.040 Develop Design Architecture Description  
   - DS.080 Design Software Components  
   - DS.090 Design Data  
   - DS.100 Design Behavior  
   - DS.130 Design User Interface

This Design Specification documents the detailed design for;

Cirrus AP Trax Payment Recon Extract

## Approach

The Report Cirrus AP Trax Payment Recon Extract is newly developed reports. It needs to migrate to PROD.

The program Cirrus AP Trax Payment Recon Extract is to Extract data and generate file in the server path. Records which completed payments are pulled from the tables and using FTP sending the excel output file to the server.

1. The intent of this section is to list the building blocks that are required to design the designated component. This includes classes, objects, modules, etc. Reference the Module View of the Architecture Description (RD.130) and appropriate Software Component Design (DS.080) to derive the list of classes and their relationships.

## Components List

|  |  |
| --- | --- |
| Component Type | File Name |
| Data Model | Cirrus\_AP\_Trax\_Payment\_Recon\_Extract\_DM.xdmz |
| Report | Cirrus AP Trax Payment Recon Extract.xdoz |
| ESS Job Name | Cirrus AP Trax Payment Recon Extract |

## Assumptions

1. The intent of this section is to graphically depict how the component under consideration interfaces to related components, external systems, and other actors that interact with the use-case package. Reference the Conceptual View and Module View of the Architecture Description (RD.130) and the class diagram prepared in the Software Component Design (DS.080) and Component Behavior Design (DS.100).
2. The diagram above is just an example—Double click on it to edit it as an embedded object. Select it and choose Edit->VISIO Object->Open to open it in the full Visio application.  
     
   You can also use other tools to draw your diagram and define most of the information in this section. So you may then want to refer to the repository for a specific diagram.

# Cirrus AP Trax Payment Recon Extract

1. The intent of this section is to document the report format designs for the reports provided by the component. Reference or include the report specification from the User Interface Design (DS.130) for the component.

The reports Cirrus AP Trax Payment Recon Extract are custom BI Publisher report designed

to extract data and generate file in the server path. Records which completed payments are pulled from the tables and using FTP sending the excel output file to the server.

## Calling Arguments

The reports Cirrus AP Trax Payment Recon Extract are having the same below parameters.

* P\_DEST\_DIR

# REPORT OBJECTS –

|  |  |
| --- | --- |
| Data Model | Cirrus\_AP\_Trax\_Payment\_Recon\_Extract\_DM.xdmz |
| Report | Cirrus AP Trax Payment Recon Extract.xdoz |
| Layout |  |

## Parameters

The programs Cirrus AP Trax Payment Recon Extract has the below user parameters.

* P\_DEST\_DIR

REL-043 GEINC6646064 / GERITM8285538

Added one more parameter

* P\_DEST\_DIR1

## Data Model Script

--# CR# Author Date Description

--#-----------------------------------------------------------------------------------------------------#

--# REL-031 Siva Kumar Dandu 06-AUG-2019 Developed new report to extract payment data--#

--# recon extract from Fusion to DIVE --#

--#-----------------------------------------------------------------------------------------------------#

SELECT 1 AS "key",

ipa.payment\_instruction\_id AS "instruction\_id",

CASE WHEN (ipa.payment\_method\_code = 'WIRE')

THEN 'Y'

ELSE 'N'

END AS "URGENT",

ipa.payment\_reference\_number AS "key2",

NVL(TO\_CHAR(ipa.payment\_amount, 'fm999999999999.00'),0) AS "amount",

ipa.payment\_currency\_code AS "currency",

SUBSTR(TO\_CHAR(ipa.payment\_date,'YYYY-MM-DD'),1,10) AS "payment\_date",

ipa.ext\_bank\_name AS "credit\_bank\_name",

ieba.country\_code AS "credit\_bank\_country\_name",

ipa.ext\_bank\_account\_name AS "credit\_account\_name",

COUNT(ipa.payment\_instruction\_id) OVER (PARTITION BY ipa.payment\_instruction\_id) AS "source\_line",

ipa.payment\_reference\_number AS "reference\_value1",

'DOCNO'||'-'||(SELECT aca2.check\_number

FROM AP\_CHECKS\_ALL aca2

WHERE aca2.payment\_id = ipa.payment\_id ) AS "reference\_value2",

ipa.int\_bank\_account\_alt\_name AS "treasury\_code",

ipa.ext\_branch\_number AS "credit\_bank\_route\_code",

SUBSTR(TO\_CHAR(ipa.void\_date,'YYYY-MM-DD'),1,10) AS "voided\_date",

DECODE (ipa.void\_date,NULL,'NO','Yes') AS "voided\_flag",

ipa.payee\_country,

ipa.ext\_eft\_swift\_code,

ipa.payment\_method\_code,

ipa.payment\_reference\_number,

ipa.paper\_document\_number,

'Digital Fusion' AS source\_system,

'GED' AS business,

ipa.creation\_date AS "creation\_date",

ipa.last\_update\_date AS "last\_update\_date"

FROM IBY\_PAYMENTS\_ALL ipa,

IBY\_EXT\_BANK\_ACCOUNTS ieba,

IBY\_PAY\_INSTRUCTIONS\_ALL ipi

WHERE ieba.ext\_bank\_account\_id(+) = ipa.external\_bank\_account\_id

AND ipa.payment\_instruction\_id = ipi.Payment\_instruction\_id

AND ((ipi.creation\_date > (SELECT MAX(erh.processstart)

FROM ESS\_REQUEST\_HISTORY erh

WHERE definition ='JobDefinition://oracle/apps/ess/custom/AP/Payments/CirrusTraxPaymentReconExtract'

AND executable\_status = 'SUCCEEDED'))

OR

((SELECT apha.last\_update\_date

FROM AP\_CHECKS\_ALL aca ,

AP\_PAYMENT\_HISTORY\_ALL apha

WHERE ipa.payment\_id = aca.payment\_id

AND aca.check\_id = apha.check\_id

AND apha.transaction\_type = 'PAYMENT CANCELLED'

AND ROWNUM=1) >(SELECT MAX(processstart)

FROM ESS\_REQUEST\_HISTORY erh

WHERE definition ='JobDefinition://oracle/apps/ess/custom/AP/Payments/CirrusTraxPaymentReconExtract'

AND executable\_status = 'SUCCEEDED'))

OR

(NOT EXISTS(SELECT 1

FROM ESS\_REQUEST\_HISTORY

WHERE definition ='JobDefinition://oracle/apps/ess/custom/AP/Payments/CirrusTraxPaymentReconExtract'

AND executable\_status = 'SUCCEEDED'))

)

AND (UPPER(ipa.payment\_profile\_sys\_name) LIKE '%WEBCASH%' OR UPPER(ipa.payment\_profile\_sys\_name) LIKE '%DOMESTIC%')

AND ipa.payment\_instruction\_id IS NOT NULL

UNION

SELECT

NULL "key",

NULL instruction\_id,

NULL urgent,

NULL key2,

NULL amount,

NULL currency,

NULL payment\_date,

NULL credit\_bank\_name,

NULL credit\_bank\_country\_name,

NULL credit\_account\_name,

NULL source\_line,

NULL reference\_value1,

NULL reference\_value2,

NULL treasury\_code,

NULL credit\_bank\_route\_code,

NULL voided\_date,

NULL voided\_flag,

NULL payee\_country,

NULL ext\_eft\_swift\_code,

NULL payment\_method\_code,

NULL payment\_reference\_number,

NULL paper\_document\_number,

NULL source\_system,

NULL business,

NULL creation\_date,

NULL last\_update\_date

FROM SYS.DUAL

Bursting Logic REL-043 GEINC6646064 / GERITM8285538

SELECT

1 AS "KEY"

,'CIRRUS Dive Payment' AS "TEMPLATE"

,'text' AS "OUTPUT\_FORMAT"

,'FTP' AS "DEL\_CHANNEL"

,'CIRRUS\_TRAX\_Payment\_Recon\_Extract\_' || TO\_CHAR(SYSDATE,'YYYYMMDDHH24MISS') || '.csv' AS "OUTPUT\_NAME"

,'true' AS "SAVE\_OUTPUT"

,FND\_PROFILE.VALUE('MFT\_ICS\_SFTP') AS "PARAMETER1"

,:p\_dest\_dir AS "PARAMETER4"

,'CIRRUS\_TRAX\_Payment\_Recon\_Extract\_' || TO\_CHAR(SYSDATE,'YYYYMMDDHH24MISS') || '.csv' AS "PARAMETER5"

,'true' AS "PARAMETER6"

FROM DUAL

--- Added below code by Prasanth Thayi REL-043 GEINC6646064 / GERITM8285538

UNION

SELECT

1 AS "KEY"

,'CIRRUS Dive Payment' AS "TEMPLATE"

,'text' AS "OUTPUT\_FORMAT"

,'FTP' AS "DEL\_CHANNEL"

,'CIRRUS\_TRAX\_Payment\_Recon\_Extract\_' || TO\_CHAR(SYSDATE,'YYYYMMDDHH24MISS') || '.csv' AS "OUTPUT\_NAME"

,'true' AS "SAVE\_OUTPUT"

,FND\_PROFILE.VALUE('MFT\_ICS\_SFTP') AS "PARAMETER1"

,:p\_dest\_dir1 AS "PARAMETER4"

,'CIRRUS\_TRAX\_Payment\_Recon\_Extract\_' || TO\_CHAR(SYSDATE,'YYYYMMDDHH24MISS') || '.csv' AS "PARAMETER5"

,'true' AS "PARAMETER6"

FROM DUAL

REL-084 Emergency Release



**Create ESS Job with below mentioned values**

**ESS JOB**

|  |  |
| --- | --- |
| Display Name | Cirrus AP Trax Payment Recon Extract |
| Name | CirrusAPTraxPaymentReconExtract |
| Path | /AP/Payments/ |
| Application | Payments |
| Description | Cirrus AP Trax Payment Recon Extract |
| Job Application name | FscmEss |
| Job Type | BIPJobType (Bursting report) |
| Class Name | oracle.xdo.service.client.scheduler.BIPJobExecutable |
| Default Output |  |
| Report ID | /Custom/Financials/Payments/Cirrus AP Trax Payment Recon Extract.xdo |
| Allow multiple pending submissions | FALSE |
| Enable submission from Scheduled Processes | Yes |

**Parameters**

|  |  |  |  |
| --- | --- | --- | --- |
| Prompt Name | Data Type | Page Element | Default Value |
| P\_DEST\_DIR | String | Text box | /diveuser/ged/outbound/dive/trax/payment/fusion/bip |
| REL-043  P\_DEST\_DIR1 | String | Text box | /cclfusion/ged/outbound/iby/grafana/recon/bip |

# Installation Considerations

1. Add to or modify this list as appropriate. Provide additional details where necessary to facilitate the creation of the installation routines.

For the ERP Cloud Part, the installation will consist of the following:

1. Upload the Data Models in Custom/Financials/Payments/Data Model folder.
2. Upload the Reports in Custom/Financials/Payments folder.
3. Create Ess Job Cirrus “Cirrus AP Trax Payment Recon Extract”
4. User can run the Ess Job “Cirrus AP Trax Payment Recon Extract”.

**APPENDIX:**

# Open and Closed Issues

1. Add open issues that you identify while writing or reviewing this document to the open issues section. As you resolve issues, move them to the closed issues section and keep the issue ID the same. Include an explanation of the resolution.  
     
   When this work product is complete, any open issues should be transferred to the project- or process-level Issue Log (Manage focus area) and managed using a project level Issue Form (Manage focus area). In addition, the open items should remain in the open issues section of this work product, but flagged in the resolution column as being transferred.

## Open Issues

| ID | Issue | Resolution | Responsibility | Target Date | Impact Date |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

## Closed Issues

| ID | Issue | Resolution | Responsibility | Target Date | Impact Date |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
|  |  |  |  |  |  |