

TECHNICAL WORKFLOW

EUC Remediation

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This document covers the details for each step followed in the ACS EUC process.

You can find the detailed videos of the same at: [Videos](https://ltimindtree-my.sharepoint.com/:f:/r/personal/abhidhnya_10729380_ltimindtree_com/Documents/Genesis/EUC%20remediation/Videos?csf=1&web=1&e=4nOxkI).

Following steps are followed sequentially in the development phase:

Create a new process.

1. Summary
2. Run Configuration
3. I/O Configuration
4. Parsing
5. Transformation
6. Deployment

Summary tab

**Pre-requisites**

This process helps in defining the EUC file requirements along with frequency and other attributes.

**Why this step?**

In this step configure the following attribute, we have to describe the EUC name, EUC description, calender days, maker group, checker group, frequency of running the EUC and other process details.

**Detailed steps**

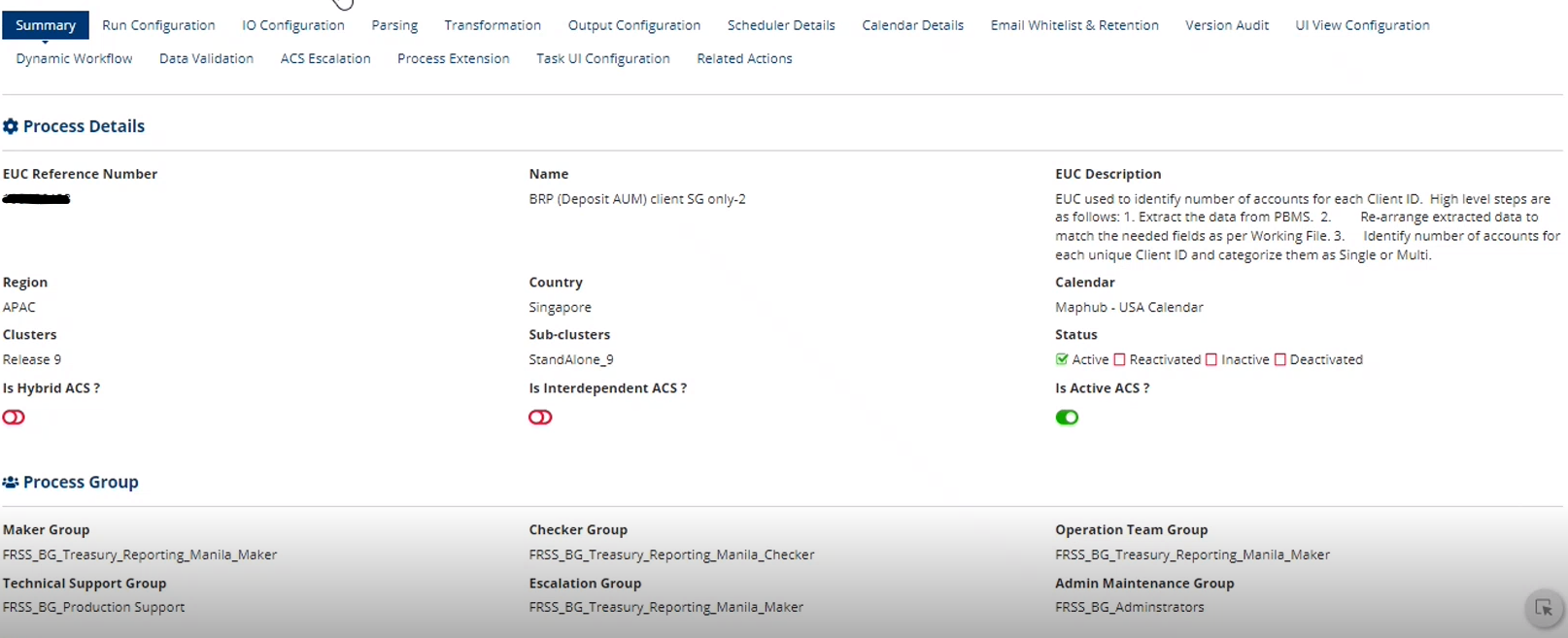
1. Click on create new process in summary tab for configuring the details.
2. Check EUC reference number or Project id from FRD and update.
3. Update name of EUC process and EUC description.
4. Check region, Country, calendar from FRD and update in tool. (always use maphub calendar)
5. Clusters and Sub-clusters check mention in FRD, if not mention the default Clusters would be Release 9 and Sub-clusters would be Standalone\_9.
6. Is hybrid ACS means one ACS depends upon another, check in FRD and update accordingly.
7. Check for manage segment from FRD and use that manage segment in Confluence page for validating Maker group, Checker group.
8. Operation team group and Escalation group will be same as maker group. technical support group and technical maintenance group is FRSS\_BG\_Production support and this is standard.
9. Add process users group.
10. If input file is more than 70 MB then need to enable NAS file sharing mechanism.

**Possible Errors:**

User need to update correct details of Calander days, country, region to get correct information for particular EUC, validate the input file size if it is more than 70 MB to enable NAS file share mechanism.

**Checklist before moving to next step:**

Check all the step followed in details step and same need to in line FRD.

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**Run Configuration**

**Pre-requisites**

We need summary details to be updated before we start with run configuration step.

**Why this step?**

This step helps in explaining frequency of ACS, when ASC should be run and when it trigger in tool.

**Detailed steps**

1. In run Configuration, click on Manage Run Configuration and then Add Run Configuration.
2. Check Frequency in FRD and use that frequency to update Recurrences type field in tool.
3. Update Process Display Name as Process Name updated in Summary tab.
4. Fill in Start Business Day field as mentioned in FRD as Deadline Business day. Update End Business Day as per FRD.
5. Update Trigger Time and completion Time as mentioned in FRD.
6. Is Adhoc trigger need to enable so that user can manually run ACS whenever required.

**Possible Errors:**

After submitting the run configuration, user needs to validate if frequency correctly and adhoc trigger updated as mentioned in FRD.

**Checklist before moving to next step:**

Start Business Day and End Business Day correctly populated as mentioned in FRD. It allows tool to autorun ACS process.

I/O Configuration

**Pre-requisites**

We need to have an input source file, output file, and a Database table created in DTC where we need to fill data using DM sheet (column name and data type).

**Why this step?**

For configuring the input source table and output file we need this action. Without completing this step, we cannot move ahead to the other steps in EUC Creation Process. Input the source table that we need to create using DTC and fill the data using bulk upload by data model (DM) sheet. For output also we need to create a table in DTC and from there the data will reflect in the blank output file which will be provided by the FRD (Functional Requirements Document) or any generic blank output file by your own.

**Detailed steps**

1. Firstly, we need to click on <io configuration> tab, then the option Target io config details must be checked.

2. Next, we will add new io configuration by clicking on Create New io configuration.

Under Create New io configuration, we will get a form with following options that we need to fill:

(i)Process Display Name-->Auto-populated

(ii)System Type Code-->select Manual Download option from dropdown list

(iii)Config Data Name-->put the output file name (it may be provided in FRD, or it can be generic as well)

After filling up the above form click on Save & Next and then Submit the details.

**Possible Errors:**

Without configuring the summary and run configuration tab properly, we cannot go into this io configuration tab. Hence, we need to crosscheck especially the details in run configuration like recurrence type, process display name, start business day, end business day, is adhoc trigger, etc.

**Checklist before moving to next step:**

Process Display Name must be auto populated while configuring this step. After putting the output file name when we click save & next and submit, it should be submitted to the Appian ACS server without any issue or error message.

Parsing

**Pre-requisites**

Manage entity name needs to be done before parsing.

Without creating DB table in DTC and manage entity type for input file name in <Related Actions> tab, we cannot directly go for parsing

**Why this step?**

This step is mandatory for fetching data from input file to the DB.

The input is input src file from where the data will be populated into the db table.

**Detailed steps**

1.First go to <Parsing> tab-->then click on Manage Parsing Configuration.

Fill the form with below mentioned details

(i)File config name-->auto populated

(ii)File unique identifier-->input file name string, File type-->XLSX

(iii)Save & Next-->parent parser type-->excel/custom

2. Now go to the File Mapping Entity and fill the form with below mentioned details:

(i)Entity Name-->Input file name auto populated

(ii)Sheet Name-->Report1 (as mentioned in input file)

(iii)Start Row-->4 (mentioned in input file)

(iv)End Row-->Blank

(v)Parser Type-->Import Excel to DB

(vi)Has Dynamic Configuration-->Yes

Now you can Save & Next and check for Dynamic Configuration with below details:

(i)Dynamic Configuration-->only header validation active

(ii)header number-->3 ((mentioned in input file))

3. Now go to the Process Mapping Entity and fill the form with below details:

(i)Manage Parsing Configuration-->Map All Columns

Column Name:A,B,C,D,..

(ii)Data Type:Standard/Number

Then you can add Dynamic Configuration in parsing and add excel column headers.

Note:Four Columns SUGGRT\_ID, PROCESS\_ID, REQUEST\_ID, and LOAD\_TIMESTAMP are automatically generated when we are creating the DB table. We should not use these columns while doing parsing. Hence, we should remove these columns.

**Possible Errors**

If we don’t create DB table and manage input entity in related actions, we will get errors while configuring this step or later.

**Checklist before moving to next step:**

In manage parsing configuration, File Config Name should be auto populated and in the File Mapping Entity, Entity Name i.e., input file must be auto populated in the step.

And we should remove these four Columns SUGGRT\_ID, PROCESS\_ID, REQUEST\_ID, and LOAD\_TIMESTAMP which were generated automatically in the db. After submitting, it should be submitted to the Appian ACS server without any error.

Transformation

**Pre-requisites**

Input file and blank working file must be there before moving into this step.

**Why this step?**

Here the data will be transformed from database to the blank working file sheet.

Input is the database table same name as the src input file and output is the data fetched to the blank working file.

**Detailed steps**

1. First go to the <Transformation> tab and click on create Transformation Configuration. Fill the form with below details:

(i)Process Display Name-->Auto populated

(ii)Template Name--> Upload-->Blank working file (working file without the data in working sheet Report1) -->Save & Next

2. Now put action details with below parameters and fill it.

(i)Action Name-->Input copy

(ii)Action Description-->Input copy

(iii)Action Type-->Input copy -->Save & Next

(iv)Entity Name-->Input\_EUCno\_SRC

(v)Sheet Name-->Report1(this is the sheet of the working file) i.e., data will be transformed from DB to this working file sheet

Start Row-->4

End Row-->0, Apply Formula Copy-->No

then Entity Column Name and details

then add filters process\_id and request\_id(before going into this step go to (Related Action)-->Manage Runtime Configuration keys and there add process-Id & request\_id)

To run the EUC we need to select the EUC then Run Configuration-->then Run Adhoc Configuration

Select the trigger and under Run Type select prod.

Fill Parameter details--> EUC Run Date and Upload input file

**Possible Errors**

Errors may happen if we don’t configure input and blank working file correctly. And we should check whether we activated the Run Ad hoc Trigger configuration or not.

**Checklist before moving to next step:**

In Create Transformation Configuration, Process Display Name must be auto populated.

In runtime configuration, process id and request id should work as filters. For parameter details, we should fill EUC run date and upload the input file.

After submitting, if no errors found everything in transformation will be processed successfully in Appian ACS Server.

Deployment

**Pre-requisites**

There are two types of deployment.

1.Fresh Deployment/CR where branch type is feature-branch

2. Bug Fix Deployment where branch type is bug fix.

For the first time, create branch from Baseline branch and next time onwards use previously merged branch

**Why this Step?**

In this process, we create a package in Jira and commit & push it using git. Then we create the build then send it to the client.

Inputs: EAP Working File template, latest DB scripts, and packaged folder

Output: Packaged zip file and build.

**Detailed steps**

1. First, the bug in Jira will be assigned to you and you need to accept it by changing its status to

"Ready for Validation".

Edit Fix Version to "Delivery- Release X".

We can copy the main branch name by previously deployed JIRA number.

1. Under development, <create branch>

Using master Jira number, we need to see the L6 segment for example 'treasury'

(i)Repository-->.../treasury

(ii)Branch type-->Bugfix

(iii)Branch from-->copy and paste the branch name and then click on <create branch>.

1. Under local create new folder <NewDeployment> and under it create two different folders one with EUC number and another with blank folder for checking in the code

1. Under EUC folder, there is patches folder for which we need to download the updated DB script file.

1. For downloading the latest DB script, go to Appian ACS and click on EUC number and then select Appian Designer

Click on <EAP Working File Templates>

Select all object--then check on folder

You will get the EAP Working File Templates and copy the folder name from transformation

tab

1. Check the latest file out of the two files and then Add to Package.

Then Create a new package-->Aug28\_2599 ( format: date+. This is for example.)

Same steps will be followed up with output configuration as well.

Go to Output Configuration-->copy the name of the Base Template and

search with the name under EAP Working File templates

and then select the latest file from there and add it to the same package Aug28\_2599.

1. Now go to the homepage of Appian Designer and click on <Platform Patches> tab and then see all objects.

You will find one file and pick it then <Add to Package> Aug28\_2599.

Now the task is to export these files under the package Aug28\_2599.

Go to Appian Designer tab and check [With Packages] checkbox. You will find two folders

there 1.EAP Working File Templates and 2.Platform Patches.

Click both of them in checkbox and click on Export dropdown as Packages-->then Export.

After Export is completed, download the package.

1. Now copy and paste it to the folder--NewDeployment-->EUCnumber-->Patches

Rename the packaged file by removing blank spaces there.

Copy this name and paste it to the path (EUCnumber/patches/packagedfoldername.zip)

under patches.txt folder.

Now the task is to download the latest db script.

For this, go to Appian\_ACS and click on <Related Actions>.

And search Generate ACS DB Sync Scripts-->then click on it

After db scripts are generated, select first and third one as second one was the old approach

synced db script.

Copy these two scripts and put it on NewDeploment/EUCnumber/db folder.

Check in FileList.ctl file whether path names for these two files are correct or not.

1. Now go to git-bash.exe

type: cd c: #go to c drive

cd NewDeployment

now go to 2599 folder: cd 2599

Now clone the EUC Folder by selecting the EUCnumber and click on Git Clone button and also

copy the path.

type: git clone path<https://..../treasury.git>

authenticate using soeid and password

After git cloning is done, we can see some folders fetched into 2599 folder under NewDeployment

go to treasury: cd treasury

Now it is pointing to the master branch.

checkout the branch:git checkout branchname #copy branchname from bitbucket

Now new branch is checked out

Now delete the Eucnumber folder from treasury folder under 2599.

Copy the EUC number folder from NewDeployment to the 2599/treasury

1. Now do gitadd:git add Eucnumber

Now do gitcommit:git commit -m"BugJiraNumber Fix Transformation Stuck"

#never forget to add jiranumber in git commit

Now do git push:git push #authenticate with soeid and password

If now we refresh the bitbucket, we can see that Eucfolder is updated with

patches.txt with the comment and bugJiraNumber.

Patches and db folders updated a moment ago would be shown there.

1. Now the task is to go to Jenkins and build the project.

Click on Build With Parameters

Under Pipeline select YES and give EucNumber under EUC\_ID,

Deployment\_Type-->patch

Select Repo-->Treasury

Branch Name-->Copy & Paste branch name from bitbucket

Give application prefix and process id

Now click on Build

Jenkins build id #281 generated

ACR Scan id is coming from Jenkins build id and console output.

1. After build is successful, create a pull request

search finsap11 under master dropdown and then click on continue

In the description, copy paste the format for the EUC

and click on create

Copy the URL and wait for this pull request approval

After the approval, we will get merge button activated.

Follow the same process and create another pull request for deployment.

After all these process, the final step is to create a DMS request.

Go to DMS portal-->create new request-->EUC

Fill the form and submit it.

**Possible Errors:**

Errors may happen when we are not selecting the latest EAP Working File templates and DB scripts.

While doing git commit if we miss the Jira number, then error will come.

**Checklist before moving to next step:**

Packaged zip folder should be successfully generated with EAP working file template and DB scripts.

Patches should be successfully applied to the system.

Git commit and push must be successful.

Approver teams must approve the pull request from Jenkins at the end.

JIRA Workflow of an EUC

|  |
| --- |
| Created |
| Updated |
| Resolved |
| Remediation Date |
| Target end |
| EUC start date |
| EUC Walkthrough Start date |
| EUC Walkthrough End Date |
| FRD Start Date |
| FRD End Date |
| FRD Walkthrough Start Date |
| FRD Walkthrough End Date |
| FRD Sign Off Start Date |
| FRD Sign Off End Date |
| Development Start Date |
| Development End Date |
| SIT Start Date |
| SIT End Date |
| UAT Start Date |
| UAT End Date |
| Prod-Parallel Deployable Date |
| Prod- Parallel Start Date |
| Prod - Parallel End Date |

