



IBM RATIONAL TEAM

*AAT Automated Tasks
Project*

Situation

- We are receiving hundreds of AAT requests weekly to add/remove users into/from Rational applications.
- We used to follow these steps to finalize each task:
 1. Login to service now for one time.
 2. There is an assigned member from each rational area to assign tasks to area's assignees everyday.
 3. Open the first assigned task, extract user's info.
 4. Open rational application, add/remove user with the extracted info.
 5. Extract user's data again into a template mail with the new user's credentials then send it to the user.
 6. Update the task on service now then to close it.
 7. Go to the next task, and so on.
- **Each Task needs around 3-5 mins to be finished.**
- **There were some human errors in copying data manually.**
- **Effort needed from all team members everyday to finalize these tasks.**

Vision:

To build a tool that can **automate all steps** needed for adding/removing users into/from Rational Applications, that **should save much time and effort, and to eliminate human errors as well.**

Plan:

Phase 1

*Innovating a way to add/remove multiple users into/from Rational Applications.
(starting with Doors Application)*

Phase 2

Integration with Service Now, through assigning tasks, extracting user's info, updating and closing AAT tickets..

Phase 3

*To build a **tool/application to consolidate all tasks** and their output in one place, also to **integrate with other rational applications.***

Progress:

PHASE 1

Creating DXL scripts to Add/Remove users into/from Doors application.



Sending automated mails to the created users with their new credentials, Bcc the sender.



Creating a validation script to check if users added successfully.



Creating a report to log the results of phase 1.



PHASE 2

Script to login to service now.



Script to assign tasks everyday automatically.



Script to extract users' info from service now into CSV file.



Script to update the task and close it.



PHASE 3

Build a tool that consolidate all tasks and their output in one place.



Integration with other Rational applications.



Let's welcome our AAT Tickets App:

AAT Tickets

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Welcome

DOORS

JAZZ

SYNERGY

----- TASKS -----

----- OUTPUT -----

Service-Now Email

Service-Now Password

Login to Service Now

Assignees Full Names
(comma seperated)

Assign Tasks on SNOW

Assigned Tasks Output

Enter your IBM Email

Extract info from Tasks on SNOW

Add-Delete DOORS Tasks

Add Users to DOORS

Validate Added DOORS Users

Add Failed-Validated DOORS Users

Failed-Validated DOORS Users

Add DOORS Users Logs

Add Users to DCP

Validate Added DCP Users

Add Failed-Validated DCP Users

Failed-Validated DCP Users

Add DCP Users Logs

Disable DOORS PREPROD Users

Delete DOORS PREPROD Users

Disable DOORS PROD Users

Delete DOORS PROD Users

Disabled DOORS PREPROD Users Logs

Deleted DOORS PREPROD Users Logs

Disabled DOORS PROD Users Logs

Deleted DOORS PROD Users Logs

Disable DCP Users

Delete DCP Users

Disabled DCP Users Logs

Deleted DCP Users Logs

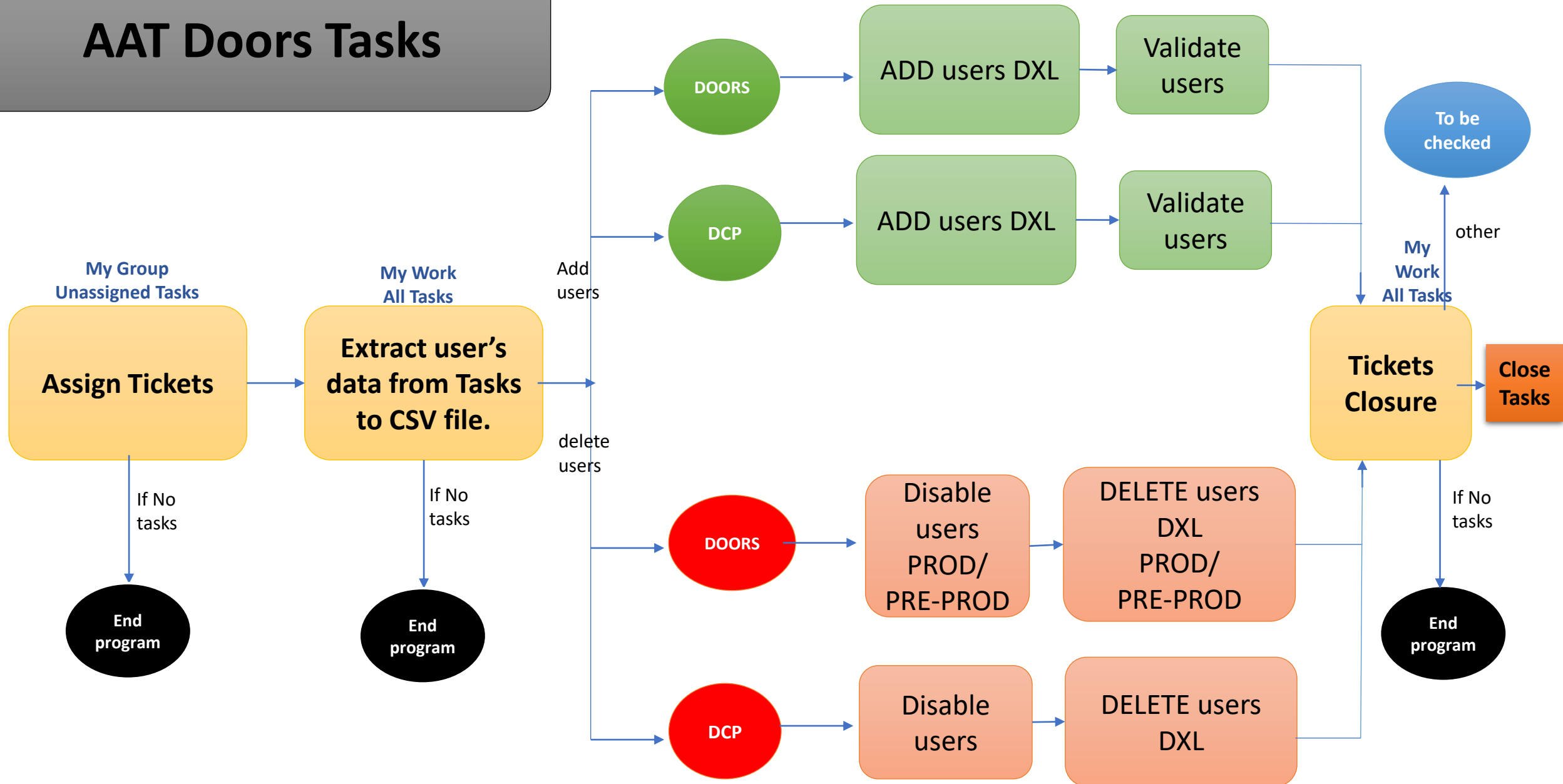
Close Tasks on SNOW

Remaining Tasks

DOORS LogFile

Quit

AAT Doors Tasks



DEMO



Remon Makram (IBM)

10.166.26.64

Recycle Bin

Google Chrome

IBM DOORS 9.7.2

IBM Rational DOORS 9.5

IBM Rational Publishing...

IBM Rational Publishing...

IBM_DownL...

DOORS DCP 9.7.2

AAT_GUI

File Home Share View

This PC > New Volume (E:) > AAT_Automated > AAT_GUI

Search AAT_GUI

Name	Date modified	Type	Size
backup	5/3/2022 2:53 PM	File folder	
bin	5/3/2022 3:57 PM	File folder	
chromedriver	4/11/2022 1:39 PM	File folder	
DWL_Scripts	4/11/2022 1:58 PM	File folder	
files	4/14/2022 3:29 PM	File folder	
logs	5/3/2022 2:55 PM	File folder	
readme.txt	5/3/2022 2:54 PM	Text File	2 KB
readme.txt.bak	4/18/2022 4:32 PM	Backup File	2 KB

0 items

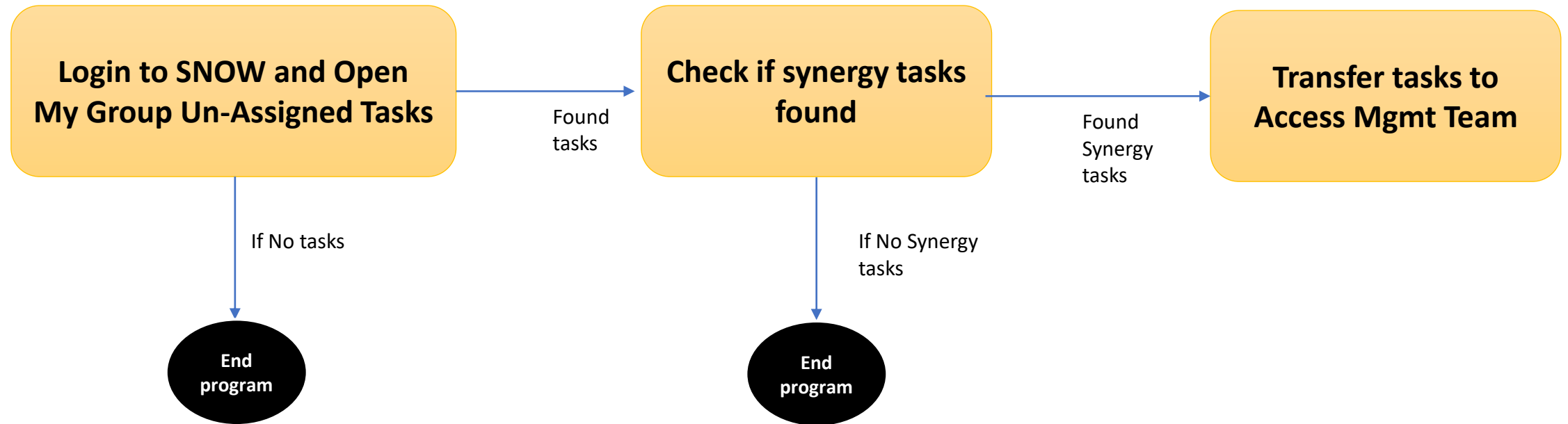
11:03 AM 5/9/2022




Next Action

Integration with other services like
Rational Synergy and Jazz.

AAT Synergy Tasks



DEMO

 AAT Tickets

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Welcome

DOORSJAZZSYNERGY

Service-Now Email

Service-Now Password

Login to Service Now
and Transfer Tasks

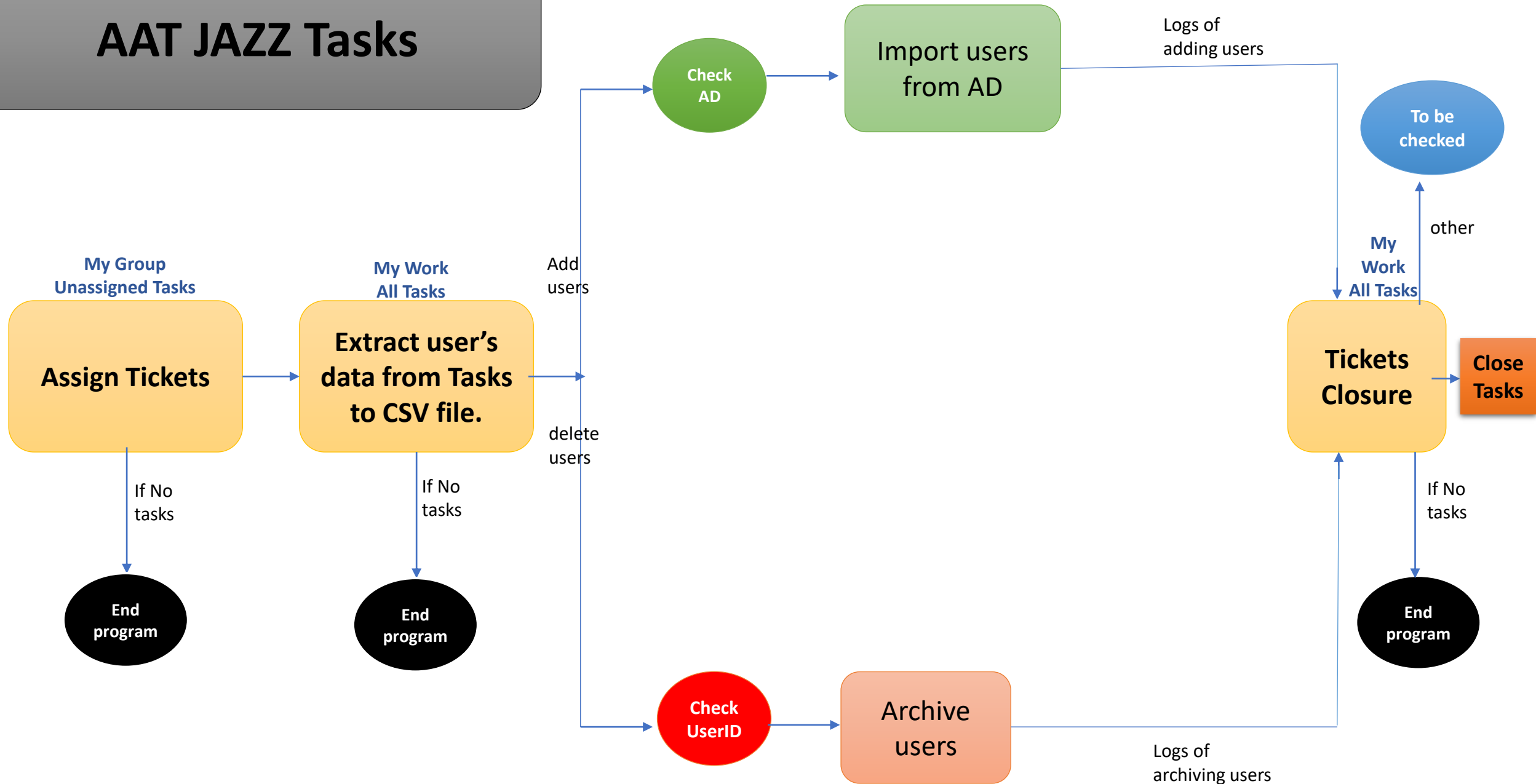
Transferred Tasks

SYNERGY Logfile

Quit

Progress: 100%

AAT JAZZ Tasks



DEMO

AAT Tickets

Welcome

DOORS

JAZZ

SYNERGY

----- TASKS -----

Service-Now Email

Service-Now Password

Assignees Full Names
(comma seperated)

Assign Tasks on SNOW

Extract info from Tasks on SNOW

Add Users to JAZZ

Delete JAZZ PROD Users

Close Tasks on SNOW

----- OUTPUT -----

Login to Service Now

Assigned Tasks Output

Add-Delete JAZZ Tasks

Add JAZZ Users Logs

Deleted JAZZ PROD Users Logs

Remaining Tasks

JAZZ LogFile

Quit

Progress: 80%

The Team behind this Project

Leadership:

Remon Makram (Application Developer)

Support Team:

Wael Amin (Rational Doors)

Ahmed Osama and Aya Ayman (Rational Jazz)

Peter Basta (Rational Synergy)

Supervisor:

Hesham El-Ganzoury

Mihaela Sfarloaga

The background features a light gray field with a large white diamond in the center. The corners are decorated with overlapping geometric shapes: yellow squares and rectangles in the top-left and bottom-right, and blue squares and rectangles in the top-right and bottom-left. The text "Thank You" is centered within the white diamond.

Thank You