Protocol: GMAB-PVCM-5.0.1-VTP_1.0   Run: _____

REVISION HISTORY

Version	Author	Date	Revision Notes
1.0	Shilpi Dixit	19-Jun-2023	Initial Version

Template: RxL-TMP-VAL-001, Version 4.0; Effective: 10-May-2021

RS No: N/A	System Description: PVCM	Environment: (check one) Dev ☐ Test/Val ☐ Prod ☐
Test Script No: GMAB-PVCM-5.6.2.1-IQ-001	Test Case / Name: PVCM Intake – AI Engine.	Test Objective: • Install and configure PV-Intake-AI Engine

Requirements Reference:	N/A
Acceptance Criteria:	The objective for test script successfully met.

Author Approvals & Signatures

Title/Company Name	Name	Signature	Date
Author (RxLogix)	Shilpi Dixit	*Shilpi Dixit* Electronically signed by: Shilpi Dixit Reason: I am author of this document Date: Jul 19, 2023 18:36 GMT+5.5	Jul 19, 2023

Pre-Approvals

Title/Company Name	Name	Signature	Date
SME/ Val Lead (RxLogix)	Gopal Kumar	*Gopal Kumar* Electronically signed by: Gopal Kumar Reason: I have reviewed and approve this document Date: Jul 19, 2023 18:39 GMT+5.5	Jul 19, 2023
Quality (RxLogix)	NA	NA	

SETUP DATA:

	Preparatory Work	Value	Comments / Notes	Verified By: Initial/Date
Preparatory Section	**USERID**			
	Server IP			
	Private Key			
	PORT			
	Images ID_1			
	Images ID_2			
	SERVICE_URL			

PREREQUISITES:

1. Tester is compliant and trainings have been completed which are required for the script execution.
2. Tester can login to the server using any ssh client and should have valid user id with sudo permissions on the server.
3. Tester can connect to LAN network to avoid network issues.
4. **Docker should be installed and docker service must be enabled in server before running the IQ**.
5. Inbound and outbound traffic should be opened on <PORT> from AWS security group, on which installation is being done.
6. Tester is well-acquainted with the system.
7. Application server must meet the below hardware and operating system requirements, please note the below mentioned requirement may vary from client to client based on user load, usage and requirement.
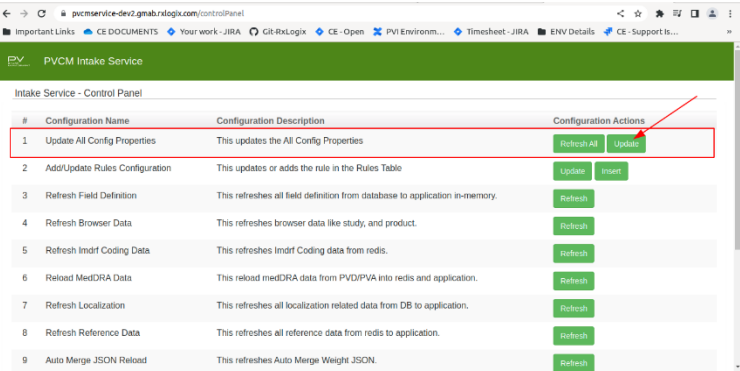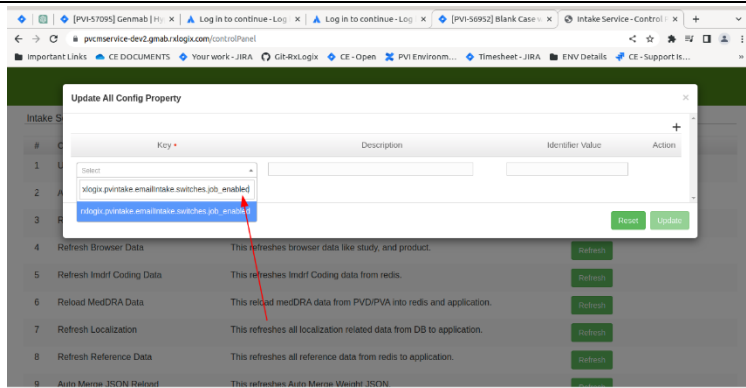
8. Latest **genmab_generic-form-parser.tar.gz , ai-engine.tar.gz, docker_pvi.zip,** and **docker_gfp.zip folders** should be present in home directory.
9. Tester should take all file from S3 bucket.
10. **Minimum downtime should be 2 hours during deployment.**

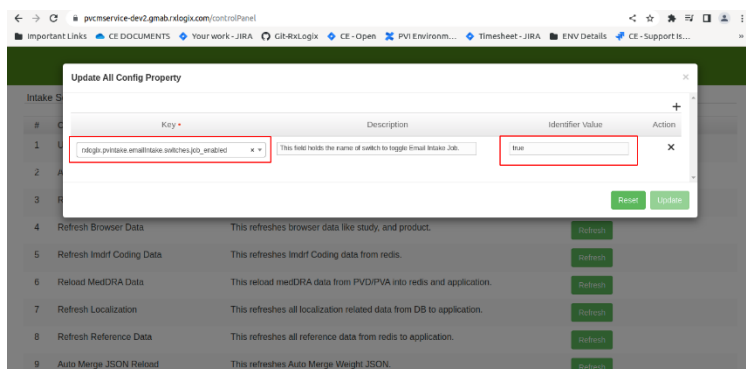| System	Type	Operating System	vCPU Cores	RAM	HDD	AWS Instance Type
PV Intake - AI Engine Production	Deployment Per Client Basis	Ubuntu 16.04 (86x64 – Bit) / Ubuntu 18.04.6 LTS	8	16GB or more	150GB	c5.2xlarge

PROCEDURE:

| No.	Procedure	Expected Results	Actual Results	Pass / Fail	Verified By: Initial/Date
1	**Refer Test Data Input Table: Parameter Values for parameter values required in this step.** Linux based system: Log into the PV-Intake-AI Engine by executing the following command using the private key as mentioned in the prerequisites: **ssh -i <private key> < USERID >@< Server IP >** Note – Private key is the access key that will be used for logging into client's server. Windows system then log into <Server IP> using a SSH client like Putty. Note – Private key need to upload for Auth in SSH client like Putty. **Take a Screenshot**	User is successfully logged into the PV Intake Service Application Server.	Attachment#: _____ Page#: _____		

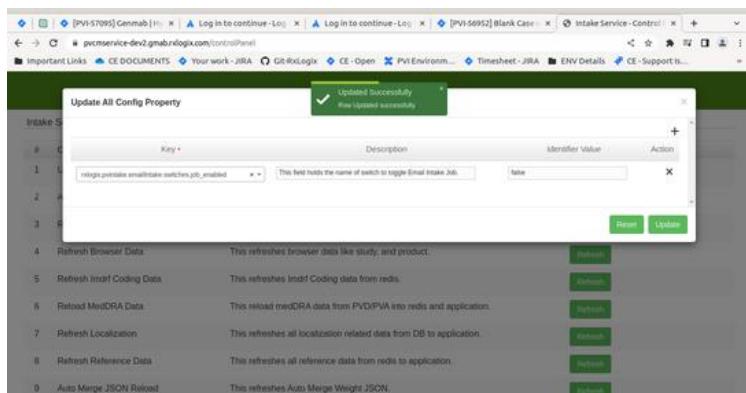| 2.	**Refer Test Data Input Table: Parameter Values for parameter values required in this step.**	Email Intake job is disabled.			
	Steps to disable Email Intake Job while deploying ML Component				
	a. Login into Application				
	b. Open control panel of the application using URL: <SERVICE_URL>/controlPanel				
	c. Once the control panel is opened, click on Update Button corresponding to configuration name, **Update All Config Properties**				
	d. After clicking on the **Update** button, a modal is opened. In the drop-down under key column, enter the value "**rxlogix.pvintake.emailIntake.switches.job_enabled**" and select the corresponding value from dropdown.				

e. Once the value is selected, other fields will be pre-filled with the configured values.

f. Change the value under column 'Identifier Value' to "**false**" and press Tab key.
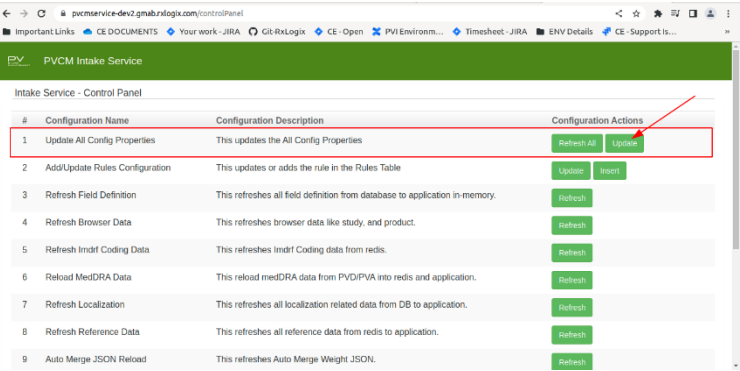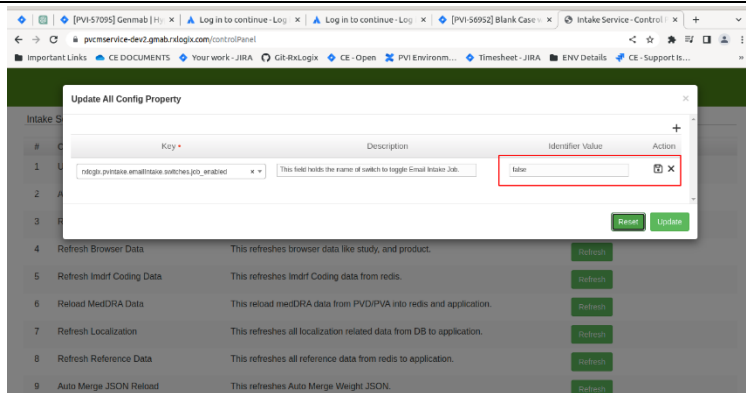
g. Click on **Update.** Flash message will be shown to confirm that the value has been updated successfully.
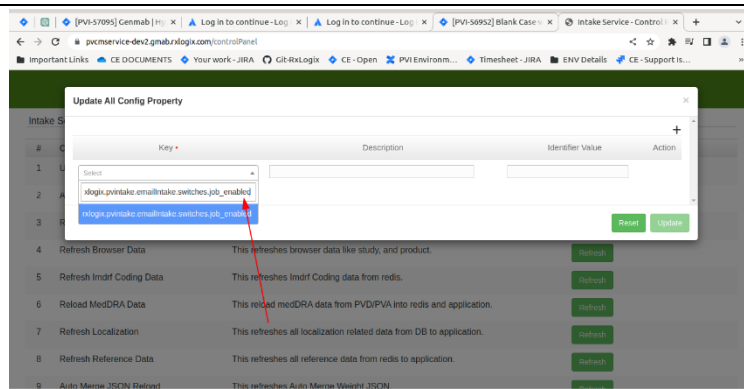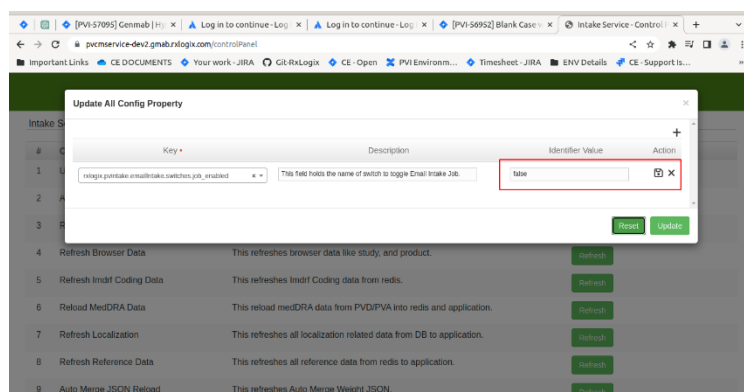

Take a Screenshot

No.	Procedure	Expected Results	Actual Results	Pass / Fail	Verified By: Initial/Date
3	**Note- Run this step only in case of Upgrade Installation of AI Engine** **Refer Test Data Input Table: Parameter Values for parameter values required in this step.** Run command on server. Remove all old docker images by following below mentioned steps: - sudo rm -r docker_* - sudo docker ps -a - sudo docker stop pvi gfp - sudo docker rm pvi gfp - sudo docker images - sudo docker rmi <Images ID_1> <Images ID_2> - **Note**: Upload latest genmab_generic-form-parser.tar.gz , ai-engine.tar.gz, docker_pvi.zip, and docker_gfp.zip build from S3 after above step. **Take a Screenshot**	Command executed successfully.	Attachment#: _____ Page#: _____		

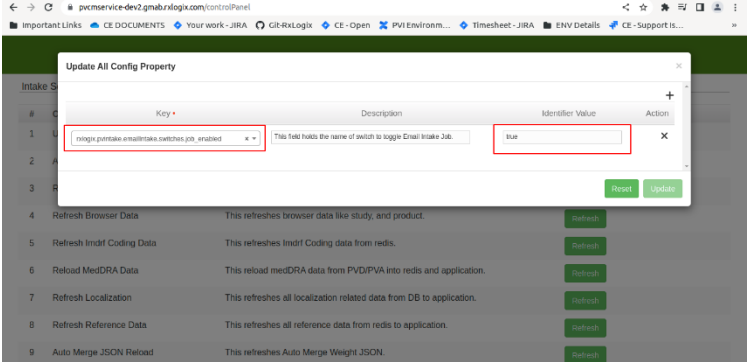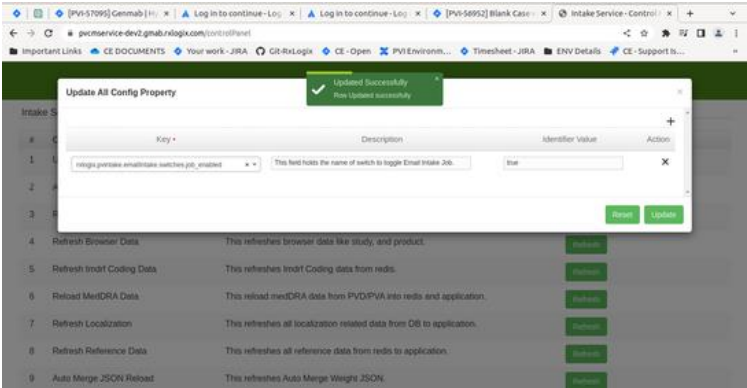| No.	Procedure	Expected Results	Actual Results	Pass / Fail	Verified By: Initial/Date

4	**Refer Test Data Input Table: Parameter Values for parameter values required in this step.**
	
	Step to run ai api service inside docker by executing below mentioned command:
	
	• sudo docker image load -i genmab_generic-form-parser.tar.gz
	• sudo docker image load -i ai-engine.tar.gz
	• sudo unzip docker_gfp.zip
	• sudo unzip docker_pvi.zip
	• sudo nano /home/<**USERID**>/docker_pvi/pvi-form-engine/structuredForms/py_generic/extdata/config/config.json
	    o Replace existing serverIP with your <**Server IP >** in "base-generic-url": "http:// <**Server IP >** "
	    o Press ctrl+o and press ENTER to save changes
	    o Press ctrl+x to exit.
	
	• sudo docker build -t pvi-form-engine:1.0 /home/< **USERID** >/docker_pvi
	• sudo docker build -t generic-form-parser:1.0 /home/< **USERID**>/docker_gfp
	• sudo docker run -d -p 9999:9999 --restart always --name "pvi" pvi-form-engine:1.0
	• sudo docker run -d -p 4455:4455 --restart always --name "gfp" generic-form-parser:1.0
	
	Take a Screenshot
		Command executed successfully.	Attachment#: _____ Page#: _____		

| 5 | **Refer Test Data Input Table: Parameter Values for parameter values required in this step.**

Steps to enable Email Intake Job

a. Login into Application

b. Open control panel of the application using URL:
   •   \<SERVICE_URL>/controlPanel

c. Once the control panel is opened, click on Update Button corresponding to configuration name, **Update All Config Properties**

d. After clicking on the **Update** button, a modal is opened. In the drop-down under key column, enter the value "**rxlogix.pvintake.emailIntake.switches.job_enabled"** and select the corresponding value from dropdown. | Email Intake job is enabled. | | | |

e. Once the value is selected, other fields will be pre-filled with the configured values.

f. Change the value under column 'Identifier Value' to "**true**" and press Tab key.

No.	Procedure	Expected Results	Actual Results	Pass / Fail	Verified By: Initial/Date
g. Click on **Update.** Flash message will be shown to confirm that the value has been updated successfully.

Take a Screenshot | | | | |
| 6 | **Exit the server** | Exited successfully | | | |

COMMENTS/REVIEW

TESTER COMMENTS		
Were all results Acceptable and test objective met? Yes _____ No _____ (If discrepancies were observed, refer to the Discrepancy Report Form(s) identified below)	Test Evidence Supporting documentation attached (# of attachments or N/A if not applicable).	**Number of Attachments _____**
Tester Comments: 		
Completed By: **(Name/Date)**		

SME/QA Comments (If Applicable)
Name:
Date:

Tester Signatures **

Title/Company Name	Name	Signature	Date

** Post SME and QA (If applicable) review, Tester will sign off the script.

Post Approvals

Title/Company Name	Name	Signature	Date
SME/ Val Lead (RxLogix)			
Quality (RxLogix)	NA	NA	

GMAB-PVCM-5.6.2.1-IQ-001_1.0

Final Audit Report   2023-07-19

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Status:	Signed
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