



Protocol: JAZZ-115 Run: ____

REVISION HISTORY

Version	Author	Date	Revision Notes
1.0	Gopal Kumar	16-Sep-2022	Initial Version

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

RS No: NA	System Description: PVCN	Environment: (check one) Dev Test/Val Prod
Test Script No: JAZZ-PVCN-5.6.3.2- IQ-001	Test Case / Name: PV Intake – AI Engine	Test Objective: Install and configure PV-Intake-AI Engine

Requirements Reference:	NA
Acceptance Criteria:	The objective for test script successfully met.

**Author Approvals & Signatures**

Title/Company Name	Name	Signature	Date
Software Engineer (RxLogix)	Gopal Kumar		

Pre-Approvals

Title/Company Name	Name	Signature	Date
SME/ Val Lead (RxLogix)	Amit Binjola		
Quality (optional)* (RxLogix)	NA	NA	NA

*QA review is optional on test scripts. See SOP-009 *Validation* for details.



SETUP DATA:


Test Data Input Table: Parameter Values	Preparatory Work	Value	Comments / Notes	Verified By: Initial/Date
	<Server IP>		Server IP on which user is performing installation.	
	<Port>	9999, 4455	Port on which user is performing installation.	
	<Private key>			
	<USERID>			


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. Must be connected to LAN network to avoid network issue.
4. Inbound and outbound traffic should be opened on <Port> from aws security group, on which installation is being done.
5. Tester is well-acquainted with the system.
- 6.
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 **docker_pvi.zip**, and **docker_gfp.zip**, **pvi-form-engine.tar**, **generic-form-parser.tar** folders should be present in home directory.
9. Tester should take all file from S3 bucket.

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	32GB or more	100GB	m5.2xlarge

PROCEDURE

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

2.	<p><u>Note- Run this step only in case of Upgrade Installation of AI Engine</u></p> <p>Refer Test Data Input Table: Parameter Values for parameter values required in this step.</p> <p>Run command on server.</p> <p>Remove all old docker images by following below mentioned steps:</p> <ul style="list-style-type: none"> • <code>sudo rm -r docker_*</code> • <code>sudo docker ps -a</code> • <code>sudo docker stop <CONTAINER ID></code> • <code>sudo docker rm <CONTAINER ID></code> • <code>sudo docker images</code> • <code>sudo docker rmi <Images ID></code> <p>• Note: Container ID and Images ID can be multiple so please run command for all container and image id's. To check all images are deleted or not , use this command (sudo docker images). And upload updated docker_pvi.zip, and docker_gfp.zip after this step from S3.</p> <p> <i>Take multiple screenshots for all the commands.</i></p>	No error found; command executed successfully.	Attachment - _____ Page - _____		
3.	<p><u>Note- Run this step only in case of fresh Installation of AI Engine</u></p> <p>Refer Test Data Input Table: Parameter Values for parameter values required in this step.</p> <p>Run command on server.</p> <p>Install Docker by following below mentioned steps:</p> <ul style="list-style-type: none"> • <code>sudo apt-get update</code> • <code>sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg sudo apt-key add -</code> • <code>sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu \$(lsb_release -cs) stable"</code> 	No error found; command executed successfully.	Attachment - _____ Page - _____		

	<ul style="list-style-type: none"> • sudo apt-get update • sudo apt-cache policy docker-ce • sudo apt-get install -y docker-ce • sudo systemctl enable docker  <i>Take multiple screenshots for all the commands.</i>				
4.	<p>Refer Test Data Input Table: Parameter Values for parameter values required in this step.</p> <p>Step to check if API is up and running inside docker by executing below mentioned command:</p> <ul style="list-style-type: none"> • sudo docker image load -i pvi-form-engine.tar • sudo docker image load -i generic-form-parser.tar • sudo unzip docker_pvi • sudo unzip docker_gfp.zip • sudo nano /home/<user_name>/docker_pvi/pvi-form-engine/structuredForms/py_generic/extdata/config/config.json <ul style="list-style-type: none"> ○ Replace existing serverIP with your < Server IP > in "base-generic-url": "http://<SERVERIP>" ○ Press ctrl+o and press ENTER to save changes ○ Press ctrl+x to exit. • sudo docker build -t pvi-form-engine:1.0 /home/<user_name>/docker_pvi • sudo docker build -t generic-form-parser:1.0 /home/<user_name>/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 • exit  <i>Take multiple screenshots for all the commands.</i>	No error found; command executed successfully.	Attachment - _____ Page - _____		



TESTER COMMENTS

JAZZ-PVI-4.9.1.1-IQ-002-1.0



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 (optional)* (RxLogix)			

*QA review is optional on test scripts. See SOP-009 *Validation* for details.