**PROJECT STATUS** REPORT

* **PROJECT TITLE: JCU** Information Technology Platform as a Service for Automation
* **REPORTING PERIOD:**  April 3 , 2023 – April 7, 2023
* **OBJECTIVE(S):**
* **Orchestration and Management:** Provide an environment to support rapid development, testing, and deployment of automated services.
* **Standardized Automation Foundation:** Infuse industry best practices and provide expertise to assist JCU with a standardized foundation. Provide a streamlined workflow utilizing CI/CD methodologies.
* **Baseline Automation:** Utilize industry best practices to create a standardized baseline for TACLAN missions. Update & test Automation tools in accordance with CI/CD strategies.
* **Development:** Provide training, testing, and content sharing for the development processes. Develop a multitude of automation constructs/tasks to upload into TACLANs orchestration library.
* **Cloud-to-Edge:** Provide Cloud-to-Edge systems expertise at Unit headquarters. Assist the Unit with system development, testing, implementation, and training.
* **Training:** Provide tailored training to include transmission, baseband kits, integrated hardware, and software components. Provide industry knowledge and expertise training.
* **Collaboration:** Collaborate utilizing the existing Gitlab platform. Host internal and external demonstrations focused on the current state of TACLAN automation capabilities and provide a hosting facility.
* **SUMMARY OF ACCOMPLISHMENTS (Objectives Met):**

## **Orchestration and Management**

* + Weekly report
  + March Monthly Report

## **Collaboration**

* + Rancher updates
  + Update and hardent 192.168.99.152
  + Working with Christian Marino on Rancher issue
  + Add DNS entries for JCU Rancher
  + CM Issue with JCU Rancher unable to communicate with Internet.
  + Meeting with Christian Marino, issue was on their side - gitlab runner and docker in Rancher was the issue.

## **Development**

* + Ops check updates and ansible playbooks
  + Add AWX cluster to rancher
  + Transfer git repos to new gitlab
  + Upgraded gitlab

## **Automation:**

* + Opscheck and Ansible playbooks

## **Cloud-to-Edge / Edge Compute:**

## **Training:**

* Nothing to report.

# **UPDATES**

* + Firewall updated
* **IN DEVELOPMENT**
  + Rancher in Pinewood
* **POCs:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name/ Org.** | **Title** | **Street Address** | **Phone/ Email** |
| **Will Lester** | Vice President, Engineering | 6701 S. Dale Mabry Hwy  Tampa FL 33611 | (210) 844-8476  [will@nextechsol.com](mailto:will@nextechsol.com) |
| **Jeremy Martin** | Sr. Solutions Architect | 6701 S. Dale Mabry Hwy  Tampa FL 33611 | (910) 603-6754  [jeremy.martin@nextechsol.com](mailto:jeremy.martin@nextechsol.com) |
| **Bill Crupi** | Cloud Automation Engineer | 6701 S. Dale Mabry Hwy  Tampa FL 33611 | (727) 687-2192  [bill.crupi@nextechsol.com](mailto:bill.crupi@nextechsol.com) |