

WELCOME TO

PLATFORM ONE





HELLO AND WELCOME!

We are excited to support you on your journey to building applications on Platform One (P1).

This Workshop provides you and your team with:

- A general overview of Platform One and Party Bus
- Hands-on experience deploying a simple application with a CI pipeline,
- An introduction to key non-technical principles for maintaining the cATO, and
- An overview of the CtF process for deploying your application.

This packet will support your workshop experience and beyond- please retain it for your records.

If you have any issues with any of the items listed, please contact us and we will provide support as quickly as possible.

Working with you to help transform your software development practices and get your application deployed through Platform One is our goal- let us know how we can help.



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PARTY BUS BASICS

WHAT DOES cATO MEAN?

Platform One builds a Continuous ATO from multiple ATOs covering the infrastructure, platform, and deployment process. The infrastructure and platform ATOs cover a majority of NIST 800-53 RMF controls. The Certificate to Field (CtF) process uses SD Elements to answer the final NIST 800-53 RMF controls that are specific to an application. Once a team completes the Certificate to Field real-time deployments to production are enabled. To be compliant with the [DevSecOps Reference Architecture \(PDF\)](#) we pull approved images from the Iron Bank hardened container repository.

SUPPORTED LANGUAGES

TypeScript/JavaScript (NPM build engine)

- *Angular*
- *React*
- *Node.js*

Java (Maven or Gradle build engine)

Python (built in python commands)

Golang (built in go commands)

.NET-Core (built in .NET-Core commands)

C++ (gcc + cmake)

SUPPORTED PERSISTENCE SOLUTIONS

Amazon RDS

- *Aurora PostgreSQL v10.11*
- *MySQL v5.7.x*

Containerized storage solutions

(Team assumes risk of non-HA solution)

- *MongoDB*

MinIO (Native Object Storage)

- *Backed by S3 in AWS*

DEPLOYMENT ENVIRONMENTS

Party Bus supports deployment to the following Impact Levels: IL-2, IL-4 and IL-5.

Deployments to Secret and TS/SCI environments are currently in-progress.



THE ONBOARDING WORKSHOP

PRIOR TO DAY 01

PREREQUISITE TASKS

The week prior to your Workshop start date, you will receive a Welcome email with detailed tasks and instructions in preparation for attending the workshop. These items **must be completed by the Friday prior to your workshop start date.**

1. Register for Learn via the email link. Learn is the online learning management system where some of the instruction will occur.
2. Complete the **Platform One Day Zero** module and associated tasks:
 - Register for a P1 Single Sign-on: https://sso-info.il2.dsop.io/new_account.html
Please Note: We may require an approval to whitelist your domain if your company/team's domain is not already whitelisted.
 - Register for Mattermost, and join your specific Workshop's channel. Mattermost can be used via browser or a desktop client.
 - Gain access to the Workshop Gitlab Workgroup.
 - Register/access Confluence.
 - Ensure that you download the necessary software to develop locally your machine.

TECH REQUIREMENTS

If at all possible, please try and ensure you have the following ready for Day 1.

- A stable, broadband Internet connection
- Webcam
- Microphone (internal works, external works better)
- Headphones (headset preferred)
- Latest (or two versions back) MacOS OR Windows running Windows Subsystem for Linux
- Zoom desktop app
- Mattermost desktop app
- We recommend using the Web IDE for editing code, but you can also use your local client IDE if you are comfortable working with Git.

INSTRUCTORS



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THE COURSE

Participants are expected to be available 0900-1700 CT (or MT depending on the cohort) with an hour allocated for a lunch break. Course content is generally structured as follows, but may be adapted for the makeup of the class:

DAY 01

- Deploy a Java API with a canary endpoint and verify it in Platform One.
- Review gitlab.yml and associate stages with IAAC for deploying on Party Bus
- Review docker file and add dependencies from Iron Bank
- Review the build.gradle and update dependencies/tasks
- Pair Programming and P1
- Add a test to verify the newly created endpoint and deploy to P1 dev
- Write a test for a new feature based on a story, fulfill the test, and deploy to P1 dev

DAY 02

- Leveraging P1 and built-in quality to continuously release
- Writing user stories to leverage P1 continuous release ability
- Write a test for a new features with underlying permutations and fulfill pipeline requirements
- Paired code reviews as a P1 alternative to Pair Programming

DAY 03

- Understanding how P1 prioritizes the customer
- P1 recommended ceremonies
- Run a micro iteration on your P1 application
- Dedicated AMA session with P1 SME
- Retrospective



THE CUSTOMER JOURNEY

A HIGH LEVEL VIEW OF A TYPICAL PARTY BUS EXPERIENCE*

ENGAGEMENT AND CONTRACTING

1. Engage with the Platform One/Party Bus Customer Success Team
2. Finalize payment with P1 Contracting

PARTY BUS ONBOARDING: PEOPLE AND PROCESSES

3. Register for the Party Bus Onboarding Workshop
 - a. Day 0: Register for Learn, complete pre-workshop tasks
 - b. Day 1: Attend Workshop; submit JSD Ticket to request GitLab repo with project info
 - c. Day 2: Attend Workshop.
 - d. Day 3: Attend Workshop, PB Ask Me Anything session.
 - e. Post Workshop:

Product Team repo should be stood by end of Workshop. Applications that have elevated security requirements or unsupported technologies may take longer to provision.
 - f. Create your [Product Team Info Page](#) in Confluence

PARTY BUS ONBOARDING: TECHNICAL

4. Pipeline requests will be prioritized by the Platform Team
5. With pipelines fully provisioned, begin developing and deploying to the PB Staging environment

OBTAINING YOUR CTF

6. Ctf Onboarding
 - a. Complete a pipeline build and deployment in GitLab CI before submitting Ctf Request
 - b. [Submit Ctf Request](#)
 - c. Complete Onboarding Questionnaire, and request a meeting with the Cybersecurity Team.
 - d. Cybersecurity will prepare the SD Elements survey (SDE), link Fortify/SonarQube to SDE, and create a Mattermost channel to facilitate communications.
 - e. Product team Anchor and PM must attend onboarding meeting

*Actual experience may vary depending on the specifics of your application and team requirements.

OBTAINING YOUR CTF (CONT.)

7. Work

- a. Develop Application / MVP.
- b. When ready, complete Assessment Readiness Self Evaluation section of CtF checklist
 - i. Document preparation
 - ii. Green Pipeline
 - iii. Product Scan Reviews
 - iv. SD Element Tasks
- c. Notify Cybersecurity via Product CtF channel

8. Assessment

- a. Cybersecurity will review checklist items and notify Product Team of any items that must be addressed
- b. Once all items are addressed, P1 ISSM will perform an internal review. This is estimated to take 2-3 weeks to complete.

9. Final CtF Review

- a. Meet with Cybersecurity Team including the CISO, CTO, ISSM, ISSO, Product & Platform Medics to review coverage for NIST security controls.
- b. There are several outcomes from this meeting depending on the amount of issues that need to be addressed.
- c. If a CtF is granted, move to deployment.

DEPLOYMENT

10. Once you have the green light, work with Platform Team to merge integration along with Secrets to target production environment (IL-2, IL-4, IL-5)
11. Argo-CD will sync up and deploy the image.
12. Once your application is in production, you will be able to maintain/update as required.

GETTING SUPPORT

We've created several resources for teams to find answers to questions and share knowledge across teams. In order to provide the optimal experience, we encourage your to begin your support requests with these self-help resources before submitting a service ticket. Below is the recommended progression from self-help to support ticket. More detailed instructions can also be found on [Confluence Self-Help page](#).

CONFLUENCE QUESTIONS & ANSWERS

1. Visit our [P1 Q&A page](#), a "Stack Overflow" like page with previously submitted questions and answers.
2. Use the search box to lookup the topic of your question.
3. Select an option from the results if applicable and appropriate.
4. If no results match your question, select "Ask Question" and complete the form. SMEs check this forum daily, so you should receive a response in a timely manner.
 - a. **Important!** Please use the up vote/down vote feature for questions and answers that are most relevant to your topic.
5. If you do not receive a response, proceed to the next step.

JIRA SERVICE DESK

1. Search JSD Knowledge Article Library
 - a. Go to [Jira Service Desk](#) home
 - b. Use the search box to find Knowledge Articles for your topic
 - c. Click the suggested article to review
 - d. **Important!** Please use the thumbs up/thumbs down feature to rate the usefulness of the article. This will help to surface the most relevant content for future users.
2. Submit a JSD support ticket
 - a. Go back to [Jira Service Desk](#) home.
 - b. Select the channel most relevant to your service request from the list of links.
 - c. Use the topic most relevant to your service request.
 - d. Complete the form with all required information.
 - e. Wait for response from support personnel.



USEFUL LINKS

INFORMATION AND RESOURCES

To support you after you've completed the workshop.

General

[Platform One Website](#)

[Party Bus General Info](#)

[Party Bus 3-day Workshop Registration](#)

[Platform One SSO login/signup](#)

[P1/Party Bus Jira Onboarding Request](#)

[P1 Confluence Q&A](#)

Collaboration

[Mattermost P1 IL-2 server](#)

[Mattermost P1 IL-4 server](#)

[Confluence](#)

[Jira Service Desk](#)

Iron Bank

[DoD Hardened Container Image Repository](#)

[Registry1](#) (for consuming approved containers directly via native CLI commands)

[Repo1](#) (for contributing hardened containers)

[Iron Bank Container Hardening Process Guide](#) (PDF)

CtF

[Path to CtF Walkthrough](#)

[Submit CtF Request](#)

Contact

Customer Success: platformone@afwerx.af.mil

Party Bus Onboarding: party.bus.onboarding@afwerx.af.mil

P1 Login Support: help@dso.mil



THANK YOU