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VA Developer Starter Guide

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Getting started with VAPO



Platform description

VA Platform One (VAPO) was created with the ambition of accelerating containerization efforts. It offers a RedHat OpenShift-based TekTon CI/CD pipeline, as well as a selection of hosting environments to deploy to, i.e., VAEC AWS GovCloud, VAEC Microsoft Azure for Government, and / or on premise servers.

Supported languages and

frameworks: All languages and frameworks are supported by the platform.

Full platform documentation linked [here](#)



Request access

Either submit a ServiceNow ticket or contact the VAPO team directly to request access. The ServiceNow ticket will be converted into a CloudKey ticket (and assigned an architect and VAPO team member).



Compatibility assessment

A joint IO team comprised of VAPO and ECSO team members will evaluate your application's compatibility with the platform via up to three live intake meetings (discussion format). Your team can track its progress and understand latest migration cost estimates via the CloudKey platform.



Onboarding

A VAPO platform team member will walk your team through platform rules, best practices, and functionality. Your team members will also be added to several VAPO Teams channels, including a dedicated channel for asking questions and collaborating with other tenants.



Resource provisioning and environment setup

After your product clears the compatibility assessment, the VAPO platform team will provision a series of namespaces within a shared, managed Kubernetes cluster. Deployment requirements and permissions vary by environment.

- Dev: Early-stage projects (untested or lightly tested)
- Stage: Late-stage projects (more rigorously tested)
- Prod: Customer-facing projects (must pass minimum CI/CD pipeline requirements, e.g., container hardening before deployment)

Note: Depending on your product's requirements, the VAPO platform team can also deploy a separately managed K8s cluster for your team

Although the CI/CD pipeline, security features (e.g., eMASS), and environments are managed by the VAPO team, the platform uses Enterprise Command Center (ECC)-managed monitoring and logging tools, i.e., Dynatrace and Splunk. The platform will work with the ECC team to grant access, though this process may take a number of days.

Deploying to dev [Placeholder]

Adding new team members

Reach out to the platform team on the appropriate Teams channel to grant namespace (or cluster)-level positions to new team members.