

# Consolidate Apps and Addons

**Jenkins X Google Summer of Code 2020**

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# About me

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- I am Zixuan Liu from Liaoning, China
- Google Summer of Code 2020 student, working on Jenkins X Apps and Addons
- Casbin community maintainer
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# Project background

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- What is Apps?

Apps framework which provided a more generic way of adding charts chatting to Jenkins X such that anybody could create an app without having to modify the underlying jx code.

- What is Addons?

Addons were either generic helm charts or a combination of helm chart plus some custom go code to install and integrate them with the Jenkins X platform.

- Confusion?

This makes us confused about what an App is, and supporting Apps and Addons in the current CLI can make things worse.

# Project proposal

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The main aim of the project would be to consolidate Apps and Addons inside Jenkins X to avoid confusion, so we decided use Apps instead of Addons, migrate Addons to Apps by Helm, so the Apps includes system charts like Kubeless, Istio, Gloo, Nginx-controller, Flagger, Prometheus and the application developed by developer.

More information: <https://www.jenkins.io/projects/gsoc/2020/projects/jenkins-x-apps-consolidation/>



# Apps delivered

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Name	Repository
Kubeless	<a href="http://github.com/jenkins-x-apps/jx-app-kubeless">http://github.com/jenkins-x-apps/jx-app-kubeless</a>
Gloo	<a href="https://github.com/jenkins-x-apps/jx-app-gloo">https://github.com/jenkins-x-apps/jx-app-gloo</a>
Istio	<a href="https://github.com/jenkins-x-apps/-jx-app-istio">https://github.com/jenkins-x-apps/-jx-app-istio</a>
Flagger	<a href="https://github.com/jenkins-x-apps/jx-app-flagger">https://github.com/jenkins-x-apps/jx-app-flagger</a>
OWASP-ZAP	<a href="https://github.com/jenkins-x-apps/jx-app-owasp-zap">https://github.com/jenkins-x-apps/jx-app-owasp-zap</a>

# PR delivered

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Name	URL
Support add an Apps from git repository	<a href="https://github.com/jenkins-x/jx/pull/7436">https://github.com/jenkins-x/jx/pull/7436</a>
Deprecate Addons	<a href="https://github.com/jenkins-x/jx/pull/7440">https://github.com/jenkins-x/jx/pull/7440</a> <a href="https://github.com/jenkins-x/jx/pull/7514">https://github.com/jenkins-x/jx/pull/7514</a>
Fix install Apps	<a href="https://github.com/jenkins-x/jx/pull/7509">https://github.com/jenkins-x/jx/pull/7509</a> <a href="https://github.com/jenkins-x/jx/pull/7530">https://github.com/jenkins-x/jx/pull/7530</a>

# Acknowledgement

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Google Summer of Code is great opportunity for me, Jenkins X has a great team of mentors, I learned a lot about Kubernetes, Helm and how jx works, big application like jx are a big challenge for me, I am very grateful to Kara de la Marck, James Strachan and James Rawlings of mentors to help me, I am looking forward to jx getting better and better, I also expect more and more people to contribute jx.



# Thanks



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