

# AWS Blox

AWS Blox is an open source project designed to help IT professionals manage and schedule [Docker](#) containers that run on the Amazon Elastic Container Service ([ECS](#)). An IT team can run AWS Blox on premises or in the Amazon Web Services ([AWS](#)) public cloud.

AWS unveiled Blox at its re:Invent conference in 2016 as a way for users to develop and share their own tooling to help solve a myriad of Amazon ECS challenges regarding container creation, management and scheduling -- a process known as container orchestration.

Developers can create their own tools or implement third-party tools, such as Mesos, via AWS Blox to help schedule and manage containers, build dashboards and deploy via the ECS [command-line interface](#). AWS Blox also includes a cluster-state-service that consumes and stores events from ECS clusters to track changes to container instances, as well as a daemon-scheduler to launch tasks, such as log agents, to run on containers across a cluster.

AWS releases all Blox projects under the [Apache 2.0](#) license. A developer or operations professional can see and commit Blox changes on [GitHub](#), as well as chat and collaborate with other Blox users on Gitter.

Combined with ECS, AWS Blox aims to compete against other container orchestration tools in the market, which include [Kubernetes](#) and [Docker Swarm](#).