

Dojo Five:

Revolutionizing Modern Embedded Firmware Development



Come join the revolution.

Come join the revolution. Say goodbye to the headaches of release management and hello to a seamless software development experience. DojoFive EmbedOps goes beyond simple release management offering a comprehensive orchestration of the embedded software lifecycle. We understand the challenges of managing builds, tests, and deployments. EmbedOps ensures consistent build and test environments from code, development, production, deployment, and finally sustaining engineering. With EmbedOps, teams can focus on what matters most – building amazing products. Our solution simplifies the process and provides peace of mind, so you can confidently take your software development to the next level.

Not familiar with Dojo Five and EmbedOps? You've got questions, we've got answers!

Who is Dojo Five?

Dojo Five offers products and services aimed at revolutionizing the embedded firmware development industry. Dojo Five seeks to modernize the firmware development and deployment experiences through innovations in the quality, efficiency, and security of modern embedded firmware. Dojo Fives helps companies optimize their embedded software development systems by bringing together tools, techniques, technologies, and culture to deliver modern firmware for embedded systems.

What is EmbedOps?

EmbedOps is a DevOps orchestration platform specifically designed to manage workflows for teams of embedded developers. It includes a web interface for monitoring performance of the development process, and a centrally-maintained developer environment that is always up-to-date.

Why did Dojo Five create EmbedOps?

Before Dojo Five was born, key team members did pioneering work on local CI solutions to organize and automate workflows across widely distributed teams. That led to utilizing Jenkins and experiencing first-hand Jenkins' pitfalls for teams, its shortcomings for embedded development, and the costs (both direct and indirect) to building and maintaining Jenkins' "free" solution. Fast forward to today, we're living and breathing our mission to modernize embedded development. We produced EmbedOps as a versatile tool to make our workflows more reliable.

How does EmbedOps provide a reliable toolchain for my build system?

EmbedOps provides a containerized system designed for all of your build dependencies including compilers, testing frameworks, and code quality tools. These containers enable you to construct or reproduce development environments quickly and reliably.

How will EmbedOps help us meet our development deadlines and keep projects on track?

EmbedOps provides superior visibility into build metrics relevant to embedded developers. The reporting interface helps alleviate project risks by helping developers with memory planning and tracking usage over time. In addition to the visibility it provides, EmbedOps helps your teams reduce firmware development cycles, gaining feedback on code faster and enabling more frequent commits.

How does EmbedOps differ from a Continuous Integration (CI) system

When paired with a CI system, EmbedOps enables embedded teams to create and maintain consistent build and test environments. By integrating directly with your automated CI pipelines, EmbedOps allows any developer to locally run any step of the production CI pipeline exactly as it would be run on the CI server.

What CI systems are compatible with EmbedOps?

EmbedOps is designed to be tool-agnostic. Therefore, while we most commonly integrate with GitLab, GitHub, and Bitbucket, we can readily configure EmbedOps to work with virtually any of the CI systems used by embedded development teams today.

What unit testing frameworks does EmbedOps support?

We recommend and support Google Test and Ceedling, but can provide support for a number of other popular frameworks as well. Read more about our approach to Unit Testing in Embedded Development.

What support does Dojo Five provide for EmbedOps users?

In addition to setting up and maintaining your environment, EmbedOps includes:

- Customizing containers for your specific needs.
- Customizing integrations to CI systems.
- Integration with testing frameworks.
- Training for your team to utilize the tools and features EmbedOps brings to your workflow.
- Dojo Five provides on-call support according to the terms of our SLA, negotiated with each contract, in order to support and maintain each EmbedOps implementation.

Does Dojo Five charge for customizing EmbedOps implementations?

A typical implementation includes a one-time setup fee that includes:

- Containerization
- CI system
- Compiler integration
- Unit testing framework
- Build automation
- Observability tools

There may be an additional charge for advanced features, such as hardware-in-the-loop (HIL) or substantial customizations to the build environment.

How are EmbedOps software updates managed, and is there a charge for updates?

EmbedOps is licensed on a monthly or yearly basis and includes all on-going updates to the web interface and developer environments.

More questions regarding EmbedOps?

[Find them here.](#)

Ready to see what EmbedOps can do for your Team?

We're here to help. Dojo Five serves companies who are looking to modernize their embedded firmware development and support processes, as well as companies that have relatively small firmware teams and are looking to outsource some of their development to embedded firmware experts.



Visit [DojoFive.com](https://dojofive.com) to learn more or email us at hello@dojofive.com

You can also contact us for a complimentary demo of EmbedOps and our embedded services offerings.