



CONTINUOUS PRE-PRODUCTION MONITORING FOR DEVELOPERS

Security, Performance and Behavior Monitoring Lets Developers Predict and Prevent Production Problems

Today, software developers & QA engineers focus on building & testing application functionality, but they lack visibility into the application's runtime behavior, security & performance, in dev, test and staging environments. This leads to the risk of high cost production problems that could have easily been avoided if the developers had a continuous runtime visibility platform.

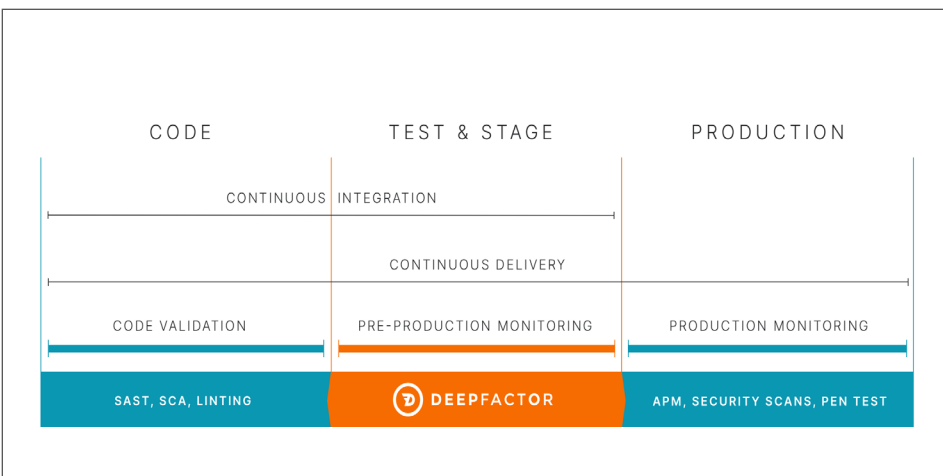
DeepFactor gives developers a complete understanding of the runtime behavior of their code changes ensuring higher performing, more secure, higher quality production releases.

The DeepFactor Continuous Pre-Production Monitoring solution combines our Deep Passive Monitoring™ technology with our Application Runtime Intelligence™ engine to detect potential security and performance issues as well as risky and unexpected behavior changes between versions. This allows teams to identify and fix runtime issues before code is shipped to production environments.

Complete the Continuous Feedback Loop in Development

DeepFactor Continuous Pre-Production Monitoring provides the missing puzzle piece to DevOps teams with runtime visibility into security, performance and behavior changes - completing the continuous monitoring and feedback loop.

DeepFactor complements static code & software composition analysis tools for development, production monitoring tools, vulnerability scanning tools and penetration testing processes.



FROM RUNTIME BLIND TO RUNTIME READY™

With DeepFactor, developers get the visibility they need to ensure their releases are Runtime Ready.

Developers can code faster, better and ship knowing that their release will deliver value to business without introducing runtime security, compliance and performance issues.

Development leaders can be confident that their applications are secure, performing well and meeting customer expectations.

“DeepFactor helps us easily visualize blind spots for every component and every version of our application, before we deploy to production. This runtime visibility is a great counterpart to static code scanning and other tools.”

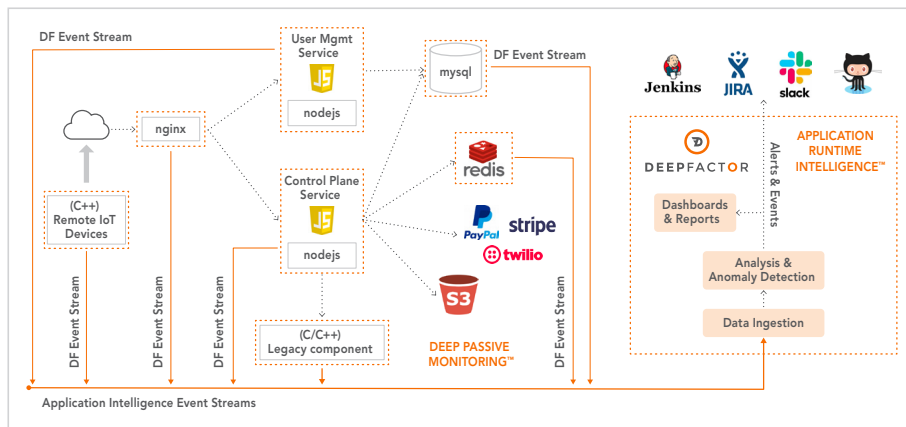
DevOps architect at media company

Deep Passive Monitoring – Just add a Single File

The DeepFactor Continuous Pre-Production Monitoring Platform detects runtime security, performance and behavioral issues before shipping code. DeepFactor works with both containers and traditional applications. To instrument a container, developers simply add one file to the container image (libdf.so). There is no code change or language specific configuration. With this file in place, DeepFactor can passively observe and monitor application runtime behavior, during testing and staging.

Get Runtime Visibility in 3 Easy Steps:

- **Deploy Deep Passive Monitoring** – Our patent-pending Deep Passive Monitoring technology collects telemetry from every software component it is deployed with, observing behavior, configuration, connections, dependencies, function calls, system calls and more. Deep Passive Monitoring has minimal performance impact in staging, creates no additional security risk, and is transparent to production environments. In addition, DeepFactor’s portal has a fully integrated headless OWASP ZAP scanner. Scans can be kicked off with zero setup and can greatly enhance applications’ code coverage, and augment DeepFactor’s telemetry and insights.
- **Start reviewing results** - Each runtime monitor generates a stream of Application Intelligence events. Streams are collected and cataloged as they are sent to the Application Runtime Intelligence Engine built on top of our unique and proprietary rule set.



These configurable rules are developed and maintained by the DeepFactor research team and identify indicators of application mis-behavior. In addition, the engine learns as it goes based on your environment, feedback and activity - providing alerts and events based on threshold triggers, known bad behavior, anomaly detection and more.

- **Integrate with your favorite tools** – The DeepFactor portal provides a centralized management and reporting interface to your SaaS or self-hosted deployment. DeepFactor comes with pre-packaged integrations with popular DevOps lifecycle management tools such as Jira, Jenkins, Slack, GitHub and more so you can start integrating your favorite tools right away.

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CONTINUOUS PRE-PRODUCTION MONITORING BENEFITS



Reduce runtime security and compliance issues



Discover performance impact before production



Identify risky runtime behavior and misconfigurations



See, understand and manage application behavior changes between releases

GET STARTED TODAY!

Sign up for your free account at [DeepFactor.io](https://deepfactor.io)

