# OpenText DevOps Aviator and GitHub Copilot Extensions

Unlock trusted AI for faster, safer software delivery in enterprise DevOps

## Benefits

- Unify and streamline automated UI testing
- Fortify CI/CD pipelines with built-in security
- Boost workflow productivity and control
- Resolve defects seamlessly with contextual insights
- Clarify requirements for testable outcomes

Organizations in highly regulated and complex industries—such as automotive, finance, and healthcare—face significant challenges in software delivery. Manual documentation, fragmented test generation, and siloed defect tracking slow down development and complicate compliance within iterative, fast-paced release cycles.

OpenText™ DevOps Aviator™, now integrated with GitHub Copilot Extensions, transforms how teams manage these challenges. As part of the OpenText™ Core Software Delivery Platform, this combined solution embeds AI for DevOps, empowering developers to accelerate delivery without compromising on quality, traceability, or compliance.

Using natural language prompts, developers can automatically generate functional and compliance-ready tests, create accurate documentation on the fly, and decompose complex features into clear, manageable tasks. All of this happens within the developer's native workflow—streamlining processes, surfacing risks early through proactive testing, and enhancing overall delivery efficiency.

- **AI-generated UI testing:** Leverage Java and Selenium to automate UI testing, significantly reducing manual effort and potential errors in your testing processes.
- **AI-generated unit testing:** Implement JUnit tests to rigorously validate every fix, ensuring functionality and preventing regressions.
- **BDD requirements generation:** Transform ambiguous instructions into structured, executable BDD scenarios using Gherkin syntax, ensuring precise test coverage and rapid validation.
- **Defect analysis:** Convert bug reports and discussions into clear, actionable steps, enabling quick and accurate issue resolution.
- **Task generation:** Break down complex features into smaller, well-defined tasks, simplifying project management and execution.
- **Vulnerability detection:** Integrate STRIDE-based threat modeling directly into your CI/CD pipeline to identify and mitigate security risks early in the development cycle.

**OpenText DevOps Aviator deployment options:**

Run anywhere and scale globally in the OpenText public cloud

- DevOps Aviator runs on the OpenText Core Software Delivery Platform in the OpenText Public Cloud with a user subscription

## Unify and streamline automated UI testing

Automated testing becomes the backbone of your delivery process with OpenText DevOps Aviator and GitHub Copilot. This combined solution enforces rigorous validation through AI-generated unit tests (e.g., JUnit) to catch regressions early and maintain confidence in every release.

Beyond unit testing, teams can incorporate Java and Selenium for UI test automation, reducing manual effort while improving test reliability. By unifying functional and UI testing into one AI-enhanced pipeline, you ensure consistent quality, performance, and user experience across every deployment.

## Fortify CI/CD pipelines with built-in security

Security is integrated, not bolted on. DevOps Aviator embeds STRIDE-based threat modeling into your CI/CD workflows via the GitHub Copilot Extension, enabling real-time vulnerability detection and remediation—before code is deployed.

This shift from reactive patching to proactive threat management helps teams build security into the fabric of development. With continuous insights into your application's risk posture, you significantly reduce the likelihood of breaches, compliance violations, and costly rework.

## Boost workflow productivity and control

Large features often introduce scope creep and delivery delays. AI for DevOps helps. DevOps Aviator helps teams break down complex features and user stories into well-defined, manageable tasks, improving estimation accuracy and reducing project risk.

This structured decomposition enables tighter control over resources, better alignment to sprint goals, and greater predictability—allowing teams to deliver high-quality software on time and within scope.

## Resolve defects seamlessly with contextual insights

Sifting through lengthy bug reports and fragmented comments wastes valuable time. DevOps Aviator uses AI for DevOps to distill defect reports and related conversations into clear, actionable insights.

Developers receive concise summaries highlighting root causes, related discussions, and resolution steps—streamlining debugging efforts and accelerating mean time to resolution. The result: reduced downtime and higher product reliability.

## Clarify requirements for testable outcomes

Ambiguous requirements can derail entire test cycles. DevOps Aviator leverages Gherkin syntax to formalize requirements into clear, shared, and executable BDD scenarios.

By transforming vague instructions into structured, testable behaviors, your teams can eliminate misinterpretation, foster collaboration, and ensure test coverage aligns precisely with business expectations, enabling faster validation and higher confidence in delivery.

## Resources

LinkedIn ›

X ›

Webpage ›

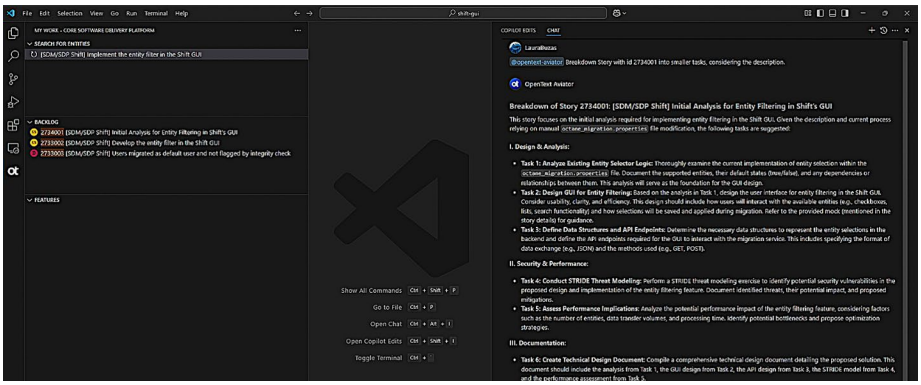
Solution overview ›

Interactive Tour ›

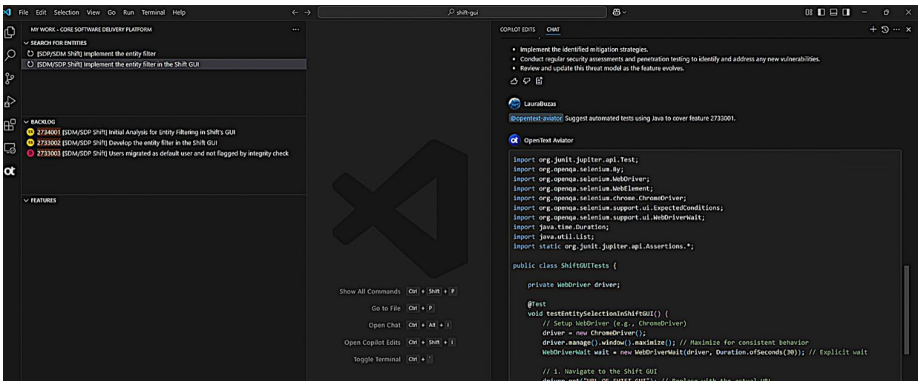
DevOps Cloud blog ›

Unlike generic copilots, OpenText DevOps Aviator and GitHub Copilot Extensions bring enterprise-grade precision to your development process—with built-in test optimization, traceability, and compliance-aware automation. It's purpose-built for industries where software quality and governance are non-negotiable.

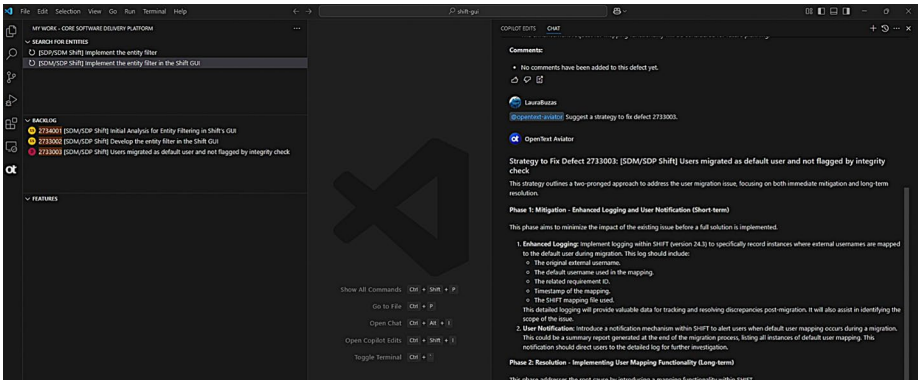
By harnessing the power of AI across testing, security, planning, and debugging, your teams can accelerate value delivery, boost engineering efficiency, and reduce operational risk—giving you a strategic edge in today's competitive software landscape.



Break user stories down into tasks.



Generate automated test suggestions using Java.



Generate suggestions to fix defects.