GitHub

GitHub Advanced Security (GHAS) Adoption Service

Platform Engineering



Integrating multiple security tools into existing workflows can be complex and time-consuming, with fragmented security processes leading to inefficiencies and oversight risks. Arctiq's GitHub Advanced Security (GHAS) Adoption Service is designed to seamlessly integrate GitHub's powerful security tools into your development workflow, ensuring enhanced code security and streamlined processes.

Integrated Security Built into the SDLC

GHAS includes three core components: CodeQL for Static Application Security Testing (SAST), Dependabot for Software Composition Analysis (SCA), and Secrets scanning and prevention. Known for its developer-focused tools, GHAS integrates directly with GitHub Actions, embedding security scans and results within GitHub, and automatically marking pull requests (PRs) and displaying scan results under the security tab.

Key Benefits

- Identify security vulnerabilities early
- Seamlessly integrate with GitHub and Azure DevOps
- Reduce friction by automating security tasks and providing clear, actionable insights
- Meet compliance requirements by embedding security in the Secure SDLC
- Consolidate security tools and processes, reducing complexity and costs

Arctiq's Approach to GHAS Adoption

Arctiq has identified five essential workstreams to ensure a successful GHAS adoption:



Migration Planning and Vulnerability Consolidation

- · Review and adapt current processes for GHAS.
- Develop deduplication scripts for migrating work from the current solution to GHAS.
- Architect the import of issues into GitHub through SARIF files.
- Modify GitHub Actions and Azure DevOps pipelines to consolidate results from the legacy



GHAS Implementation Prerequisites

- · Review current Secure SDLC processes.
- Build Secure SDLC architecture around GHAS, including scanning and governance checks.
- Develop reusable GHAS pipeline components for GitHub Actions and Azure DevOps.
- Create migration documentation and processes, including pipeline onboarding and integration.
- Ensure GHAS settings are safeguarded from being disabled by application teams.



Metrics Collection, Reporting, & Change Management

- Identify key metrics for GHAS usage.
- Develop GitHub Actions pipelines for metrics extraction and scan coverage reports.
- Integrate scan results into the existing change management process.

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Training & Adoption

- Conduct working sessions with Application Security and Development teams to support GHAS migration.
- Offer dedicated sessions on Dependabot and secret management.
- Provide on-demand training materials based on the conducted workshops.

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Assisted Migration of One Application Team

- Select and review an application team for the migration pilot.
- Perform working sessions with the team to guide them through the migration process.
- Migrate the application team's pipelines using newly created GHAS pipeline components and scripts.
- Ensure thorough testing and completion of the migration.

The Arctiq Advantage

As GitHub's Premier Service Delivery Partner, Arctiq excels in delivering customized GitHub services tailored to client needs. Our certified team ensures technical excellence through DevOps-led strategies, successful hybrid/multi-cloud environments, CI/CD processes, and tooling solutions.





Trust Arctiq to elevate your security in the development lifecycle.

Book a Consultation

