Automate Application Security Testing Within Your Build Pipeline

With Azure DevOps Pipelines and Rapid7 InsightAppSec

Application development moves at a blistering pace; releases that used to come out once or twice yearly now happen weekly, daily—even continuously. While modern web technologies and tools like continuous integration/continuous delivery (CI/CD) have helped accelerate the pace of development, these same forces also make it difficult for application scanners to crawl and test your modern apps.

Rapid7 InsightAppSec integrates with Azure DevOps Pipelines to empower development teams to autonomously test the integrity of their applications in runtime within their own CI/CD workflows. Using the extension within a pipeline gives security teams essential feedback regarding a web application's security posture and risk status as part of existing processes; this way, your team can pass/fail builds and fix faster.
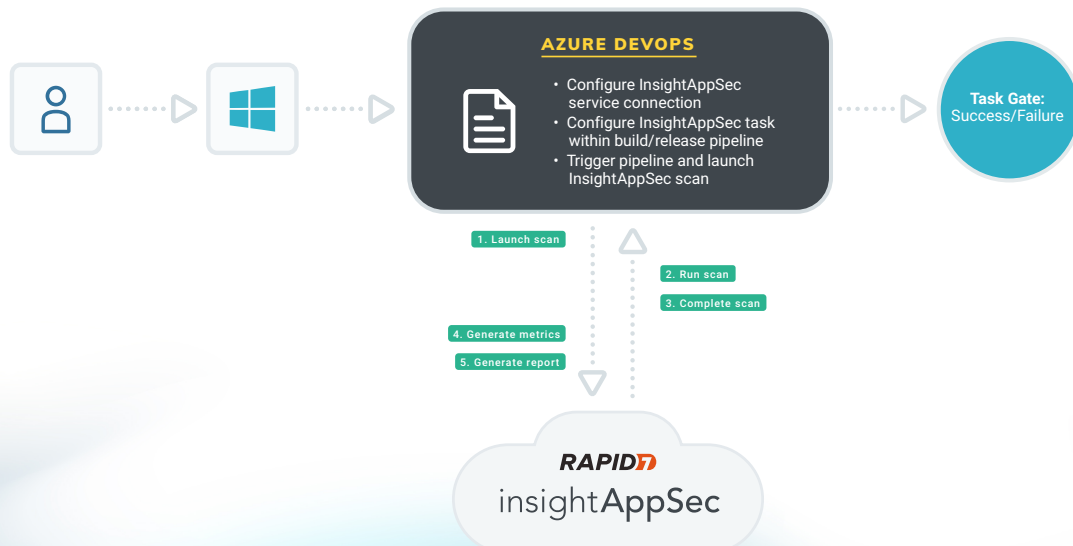
How It Works

The Azure DevOps extension utilizes the InsightAppSec RESTful API to dynamically retrieve applications, launch scans, monitor their progress, and generate reports based upon scan results. Leveraging this extension within Azure Pipelines will provide essential feedback regarding a web application's security posture and vulnerability findings as an integrated CI/CD task.

This extension can be leveraged as both a Build and a Release task within Azure DevOps.

Integration Benefits

1. Reduce the presence of application vulnerabilities exposed to attack.

2. Identify security issues earlier in the SDLC, when they are less costly to fix.

3. Adopt a DevSecOps mentality and reduce friction between development, security, and IT teams with automated, end-to-end workflows.

AZURE DEVOPS
- Configure InsightAppSec service connection
- Configure InsightAppSec task within build/release pipeline
- Trigger pipeline and launch InsightAppSec scan

Task Gate: Success/Failure

1. Launch scan
2. Run scan
3. Complete scan
4. Generate metrics
5. Generate report

RAPID7 insight**AppSec**

Key Capabilities

This extension is designed to:

- **Launch new InsightAppSec scans during build or release**
- **Perform scan monitoring**
- **Provide reports of scan results**
- **Provide raw scan results**
- **Enforce scan gates based on vulnerability query filters**

Scan Gating provides an automated way to fail tasks as part of a build, should scan results meet a defined vulnerability query. This stops certain identified risks from being promoted into production.

☑ Scan Gating ⓘ

Vulnerability Query ⓘ

```
vulnerability.severity='HIGH'
```

Ready to get started?

Visit the [Visual Studio Marketplace](#) to get the InsightAppSec Azure DevOps extension.

About Azure DevOps

Microsoft Azure DevOps is a set of collaborative software development tools leveraged by development organizations to automate their SDLC with continuous integration and deployment in mind. Its most prominently featured tools include automated builds and releases, configurable test plans, fully integrated package management, and boards for tracking tasks/ development.

About Rapid7

Rapid7 is advancing security with visibility, analytics, and automation delivered through our Insight cloud. Our solutions simplify the complex, allowing security teams to work more effectively with IT and development to reduce vulnerabilities, monitor for malicious behavior, investigate and shut down attacks, and automate routine tasks. Customers around the glo rely on Rapid7 technology, services, and research to improve security outcomes and securely advance their organizations.

To learn more about Rapid7 or get involved in our threat research, visit www.rapid7.com.

Support

Please contact Rapid7 for support or assistance at +1.866.380.8113, or through our Customer Portal.

[Customer Portal](#)