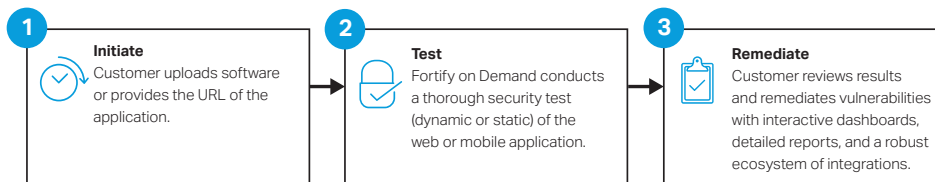


# Fortify on Demand

Micro Focus® Fortify on Demand (FoD) delivers application security as a service, providing customers with the security testing, vulnerability management, expertise, and support needed to easily create, supplement, and expand a Software Security Assurance program.



### Top three reasons customers choose Fortify on Demand:

- Deployment flexibility
- Ease of use
- Quality of results

Figure 1. Fortify on Demand: Application Security for the New SDLC

## Product Highlights

### Enterprise Application Risk Management

Understanding risk is an important first step in any application security initiative. Organizations must also take steps to build security in points along the software development lifecycle. Fortify on Demand can help build a program that includes secure development, preproduction security testing, and production monitoring. Mature programs employ full “defense in depth” across all of these areas, but security teams can start from any point and grow.

Organizations are faced with rapidly expanding applications portfolios, both in size and complexity. In addition to protecting legacy applications and certifying new releases of software developed in-house using a combination of custom and open source code, ensuring the security of out-sourced and commercial off-the-shelf applications is critical as well. For those customers purchasing third-party code, Fortify on Demand provides an easy-to-use Vendor Security Management service that doesn’t require source code, allows the vendor to test applications, resolve issues, and then publish a report to the procurer.

A centralized, online portal enables Fortify on Demand customers to get started quickly and build a comprehensive Software Security Assurance program over time. Dashboards provide visibility to an organization’s entire application security portfolio, allowing them to view program risk, address critical security issues early, and prioritize remediation efforts across many teams and applications.

## Key Benefits

### Secure Development

Finding and fixing application security issues early, during development, is far less costly than waiting until after an application has been deployed, so empowering developers to create secure software from inception is critical. Fully integrated within the IDE where developers work, static assessments provide immediate feedback to the developer. Open source component analysis can be added with a mouse click to avoid including known vulnerable components. Audited scan results, including line of code details and remediation advice, help drive secure coding best practices. As organizations further mature and adopt DevOps principles, Fortify on Demand static assessments are often integrated into

the software toolchain as an automatic step in the continuous build and integration pipeline.

### Security Testing

A dynamic or mobile assessment of the running application in a QA, test, or staging environment simulates the real-world hacking techniques and attacks employed by the bad guys. For web applications and web services, dynamic assessments employ a combination of automated and manual testing techniques to crawl the application attack surface and identify exploitable vulnerabilities before an application release is deployed to production. Furthermore, interactive application security testing (IAST) with Fortify's runtime agent supercharges dynamic testing to find more vulnerabilities—and fix them faster.

Similar to dynamic testing for web applications, Fortify on Demand mobile assessments utilize the compiled application binary and employ a combination of automated and manual techniques to identify vulnerabilities across all three tiers of the mobile ecosystem—client device, network, and backend services. More than just simple reputation or behavioral analysis, mobile assessments provide true security testing for companies serious about securing their mobile applications.

### Production Monitoring

Inevitably, not all vulnerabilities can be remediated for every application before it goes live. Misconfigurations in production environments can introduce issues not present in preproduction, and new zero-day vulnerabilities arise in-between release cycles. A robust production monitoring regimen includes continuous dynamic scanning for vulnerabilities and risk profile changes, discovery of rogue applications, and run time detection of security events in the application itself. Fortify on Demand provides all production application monitoring activities in a single, integrated place.

### Key Features

#### Static Application Security Assessments

Static assessments help developers identify and eliminate vulnerabilities in source, binary, or bytecode to build more secure software. Powered by Micro Focus [Fortify Static Code Analyzer \(SCA\)](#), static assessments detect over 781 unique categories of vulnerabilities across 25 programming languages that span over 982,000 individual APIs. Fortify on Demand static assessments also include a review by our security experts and our innovative Fortify Scan Analytics machine learning platform to

remove false positives and ensure overall quality so that development teams can maximize their remediation efforts early in the software lifecycle. Fortify on Demand seamlessly fits into customers' existing agile or DevOps processes with out-of-the-box IDE, build server, continuous integration, and bug tracker integrations.

### Features

- Supports 25 languages: ABAP/BSP, ActionScript, Apex, ASP.NET, C# (.NET), C/C++, Classic ASP (with VBScript), COBOL, ColdFusion CFML, HTML, Java (including Android), JavaScript/AJAX/Node.js, JSP, MXML (Flex), Objective C/C++, PHP, PL/SQL, Python, Ruby, Scala, Swift, T-SQL, VB.NET, VBScript, Visual Basic, and XML
- Unlimited file size at no additional charge
- Open source component analysis (powered by Sonatype)
- Real-time vulnerability identification with Security Assistant
- Actionable results in <1 hour for most applications with DevOps automation.

	Static	Static+
<b>Application type</b>	Web, mobile or thick-client	Web, mobile or thick-client
<b>Fortify SCA analysis</b>	+	+
<b>Open source analysis</b>	+	+
<b>Fortify Scan Analytics automated audit</b>	+	+
<b>Security Assistant</b>	+ <sup>1</sup>	+ <sup>1</sup>
<b>Security expert manual review</b>	<sup>2</sup>	+

<sup>1</sup> Subscriptions only

<sup>2</sup> Security expert review optional for first subscription scan only

## Dynamic Web Application Security Assessments

Dynamic assessments mimic real-world hacking techniques and attacks using both automated and manual techniques to provide comprehensive analysis of complex web applications and services. Featuring [Fortify WebInspect](#) for automated dynamic scanning, Fortify on Demand provides a full-service experience as all scans include macro creation for authentication and a full audit of results by our experts to remove false positives and for overall quality—a level of service you don't get with

other providers. Our manual testing focuses on the types of vulnerabilities that skilled hackers exploit, including authentication, access control, input validation, session management, and business logic testing. Simply provide a URL and our team will handle the rest.

### Features

- Identifies over 250 unique vulnerability categories for web applications in QA, staging or production
- Expanded coverage, accuracy

and remediation details with IAST runtime agent

- Fully integrated support for site availability or scan blackout windows
- Create and manage protections from detected vulnerabilities during remediation with Fortify Application Defender integration
- Generate virtual patches for all leading web application firewalls (WAFs)

	Dynamic	Dynamic+
Application type	Website	Website OR web services <sup>3</sup>
Fortify WebInspect analysis	+	+
Verify URL & authentication	+	+
Security expert manual review	+	+
Interactive application security testing (IAST)	+	+
Continuous application monitoring	+ <sup>4</sup>	+ <sup>4</sup>
Manual vulnerability testing		+

3 Single scans only for web services.

4 Subscriptions only. Includes vulnerability and risk profile scanning; discovery sold separately.

## Mobile Application Security Assessments

Fortify on Demand delivers comprehensive end-to-end mobile security with real-world mobile application security testing across all three tiers of the mobile ecosystem—client device, network, and web services. Similar to dynamic testing for web applications, mobile assessments utilize the compiled application binary and employ the same techniques hackers utilize to exploit vulnerabilities in mobile

applications, whether they are developed internally, outsourced, or acquired. More than just simple reputation or behavioral analysis, Fortify on Demand mobile assessments provide true security testing for companies serious about securing their mobile applications.

### Features

- Supports iOS and Android mobile applications

- Identifies over 300 unique vulnerability categories from mobile binary to backend services
- Emphasizes security vulnerability identification in addition to behavioral and reputation analysis
- Manual testing performed on physical devices

	Mobile	Mobile+
Application type	Mobile binary	Mobile binary and backend services
Vulnerability analysis (mobile binary)	+	+
Endpoint reputation analysis	+	+
Security expert manual review	+	+
Fortify WebInspect analysis (backend services)		+
Manual vulnerability testing		+

## Continuous Application Monitoring

Monitoring applications in production is an increasingly common challenge for security teams. Fortify on Demand Continuous Application Monitoring combines application discovery with continuous dynamic vulnerability scanning and risk profiling in a standalone subscription service that provides visibility and insight into the risk facing customers' entire application portfolio. The automated discovery scans identify new, externally facing applications on a monthly basis, and results are presented in a risk-ranked list with confidence scores (up to twelve per year). Confirmed applications can then be enrolled in production-safe continuous vulnerability and risk profile scanning (up to four scans per month). Continuous Application Monitoring serves as both an ideal first step in launching a Software Security Assurance program and as a complement to dynamic and static testing of applications once they are deployed.

### Features

- Application discovery routinely identifies 3000+ web assets (on average) for Fortify on Demand customers
- Innovative dynamic scanning engine optimized for use with production websites

- Vulnerability detection identifies the most common critical vulnerabilities across the OWASP Top 10
- Automated risk profile change detection and alerting

### Assessment Units

Fortify on Demand static, dynamic and mobile application security testing services are available by purchasing and redeeming Assessment Units. Fortify on Demand Assessment Units are prepaid credits that are redeemed for single assessments or application subscriptions, offering flexibility to allocate your investment throughout the year. Assessment Units are valid for 12 months and may be redeemed individually.

For each single assessment or subscription requested, customers choose a combination of one assessment type (dynamic, static, or mobile) and one assessment service level. An application subscription allows for one application to be assessed an unlimited number of times during the 12 month period. All assessments include one remediation validation scan within one month of the assessment.

Assessment type	Single assessment	Application subscription
Static assessment	1 Assessment Unit	4 Assessment Units
Static+ assessment	2 Assessment Units	6 Assessment Units
Dynamic assessment	2 Assessment Units	6 Assessment Units
Dynamic+ assessment	6 Assessment Units	18 Assessment Units
Mobile assessment	1 Assessment Unit	4 Assessment Units
Mobile+ assessment	6 Assessment Units	18 Assessment Units

Table 4. Redeeming Fortify on Demand Assessment Units

### Account Management

All accounts include access to a technical account management team to help drive the success of a customer's application security program. The team liaises with the customer via the Help Center; manages contract issues, renewals, and support requests; and coordinates Fortify resources including system and process experts as necessary to drive adoption and customer success.

technologies, along with run time application monitoring and protection, backed by industry-leading security research. Solutions can be deployed in-house or as a service to build a scalable, nimble Software Security Assurance program that meets the evolving needs of today's IT organization.

Learn More At  
[www.microfocus.com/fod](http://www.microfocus.com/fod)

### About Micro Focus Fortify

Fortify offers the most comprehensive static and dynamic application security testing

Contact us at:  
[www.microfocus.com](http://www.microfocus.com)