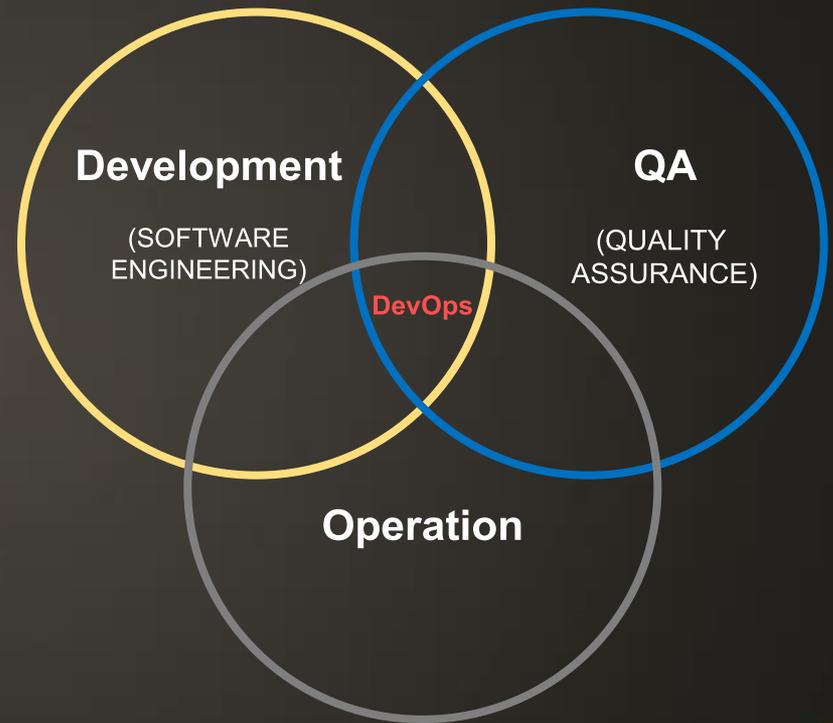

4차 산업혁명과 애플리케이션 보안

장일수 상무

4차 산업혁명과 보안

소프트웨어 기반의 Digital Economy



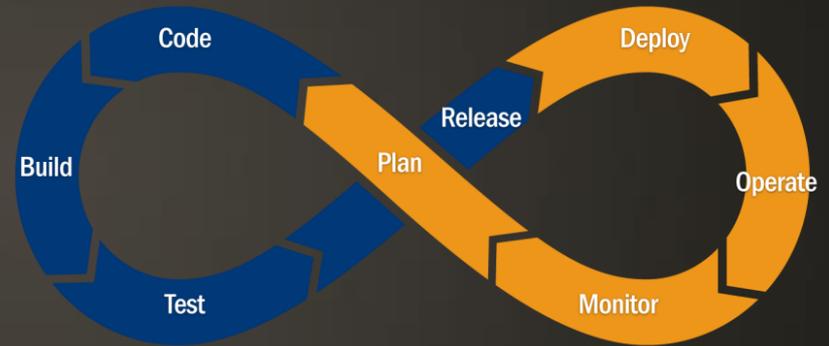
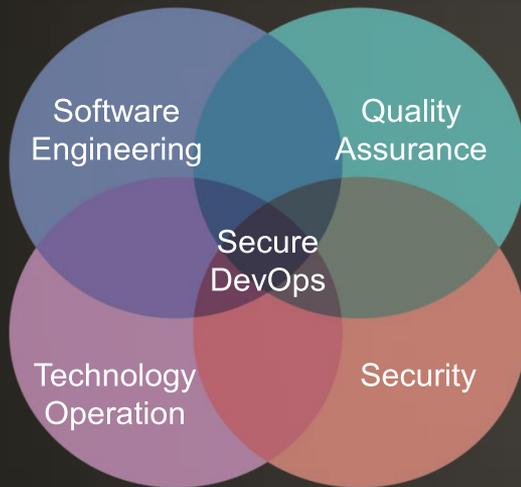
비즈니스 관점에서 가장 중요한 것은?



Security must be a concern **every** part of the business,
every process that is being used

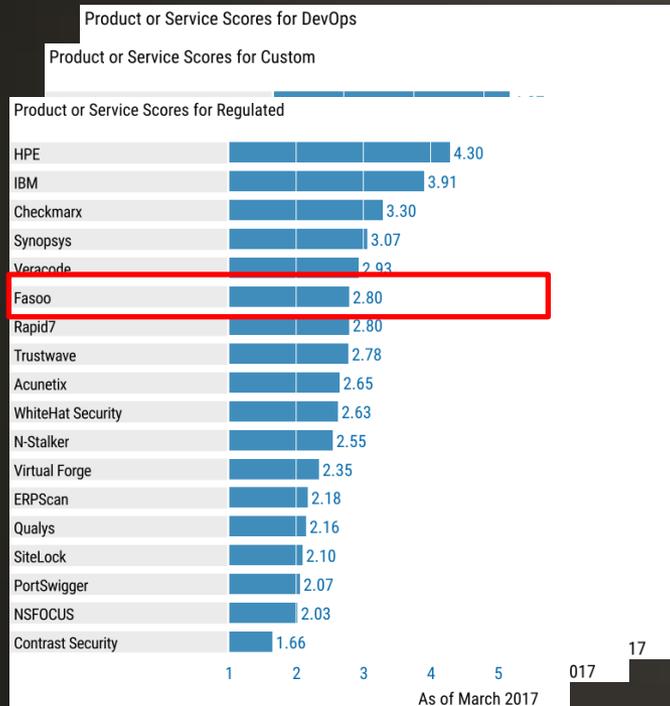
DevSecOps

Build on the mindset “everyone is responsible for security”



And measurement, rapid feedback and **automation**.

Magic Quadrant for Application Security Testing



What's New in Sparrow 5

강력해진 엔진 성능

분석속도

- 기존대비 50% 향상
- 향상된 인크리멘탈 분석

검출력

- OWASP 벤치마크 94.8
- 정탐 30% ↑
- 오탐 30% ↓

What's New in Sparrow 5

더욱 다양해진 분석 환경

지원언어

(SWIFT, APEX,
ABAP 등)

프레임워크

(Spring, Struts,
eGov)

파일간분석

(Java-JSP,
Java-C)

코딩표준

오픈소스

What's New in Sparrow 5

머신러닝 기반의 인텔리전트 기능 강화

Intelligent Issue Clustering

Advanced Issue Filtering

Active Suggestion

Issue Replay

What's New in Sparrow 5

더욱 더 새로워진 UI/UX(1/2)

The screenshot displays the Sparrow 5 web interface. On the left, a sidebar shows navigation options like '웹사이트', '183', '157', '2', and '45'. The main area is divided into several sections:

- Code Editor:** Shows the source code for `ArgInter.java`. A red box highlights a line of code with the label **해당소스코드** (Corresponding source code).
- Active Suggestion:** A pane on the right shows a suggestion for a `trig()` method, with a red box and the label **수정예시** (Modification example).
- Search Results:** A table at the bottom shows search results for 'Total 387 target(s)'. A red box highlights the table header with the label **검출목록** (Detection list).
- Grouped List:** A table on the left shows a grouped list of targets, with a red box and the label **그룹별목록** (Grouped list).

Additional UI elements include a top navigation bar with 'Sparrow' logo and '대시보드', '전체 결과', '이슈 제외 관리', '통계', '계시판' links. A right sidebar shows user information 'RonaldoCr... (admin1)' and a 'FORWARD_NULL' section with '현재 상태' and '수정 필요' buttons.

What's New in Sparrow 5

더욱 더 새로워진 UI/UX(2/2)

The screenshot displays the Sparrow 5 web interface. On the left is a sidebar with navigation options like 'webGoat', 'Scans', 'Information', and 'Project setting'. The main content area shows '전체 결과' (Overall Results) for a scan of 'webGoat' by user 'admin1'. A modal window titled '분석하기' (Analyze) is open, allowing users to upload files, select languages (Java, JSP/JavaScript, PHP, SQL/XML, C#, ASP.NET/VBS, Objective-C, ABAP, HTML), and choose project settings. A '분석' (Analyze) button is at the bottom of the modal. In the background, a '분석 빈도' (Analysis Frequency) line chart shows a sharp increase in activity starting in early 2017. A '파일 관리자' (File Manager) sidebar on the right lists generated reports like 'SAST > UIDI > 1 > PDF 보고서' and 'UIDI_1_10202.pdf'. A '알림 센터' (Alert Center) sidebar on the left lists various alerts, including '이슈제외 승인되었습니다' (Issue exclusion approved) and '시스템 경고' (System warning).

일시	분석 시간	체크 그룹	분석 방식	소스 파일 수	빌드 라인 수	태그
03-13 17:50:57	0h 0m 50s	DefaultCheckerGroup (345/1706)	F	158	5,547	5547
03-13 17:49:14	0h 0m 13s	DefaultCheckerGroup (345/1706)	F	1	237	237
-	-	-	F	-	-	-
03-13 17:41:05	0h 0m 6s	DefaultCheckerGroup (345/1706)	F	1	237	237
-	-	-	F	-	-	-

What's New in Sparrow 5

사용자 편의성&효율성 극대화

완벽해진 On-Premise

Open API를 통한 다양한
연동 (형상관리등)

환경 변화 없이 다양한
IDE Plug-in 제공

Customizable

대쉬보드

통계 및 보고서

확장성

DAST/RASP

타시스템 연동

지능화된 상호작용 플랫폼

DevSecOps

