

Black Duck을 좀 더 편하게 02

2026-02-12
안랩 김강보

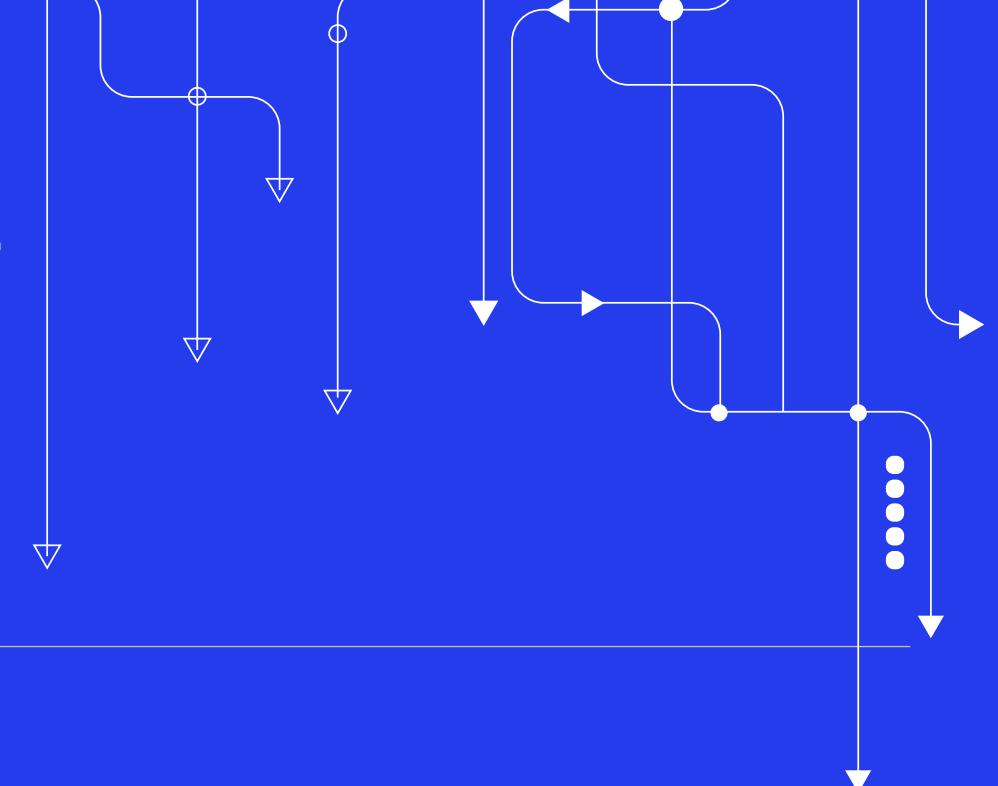
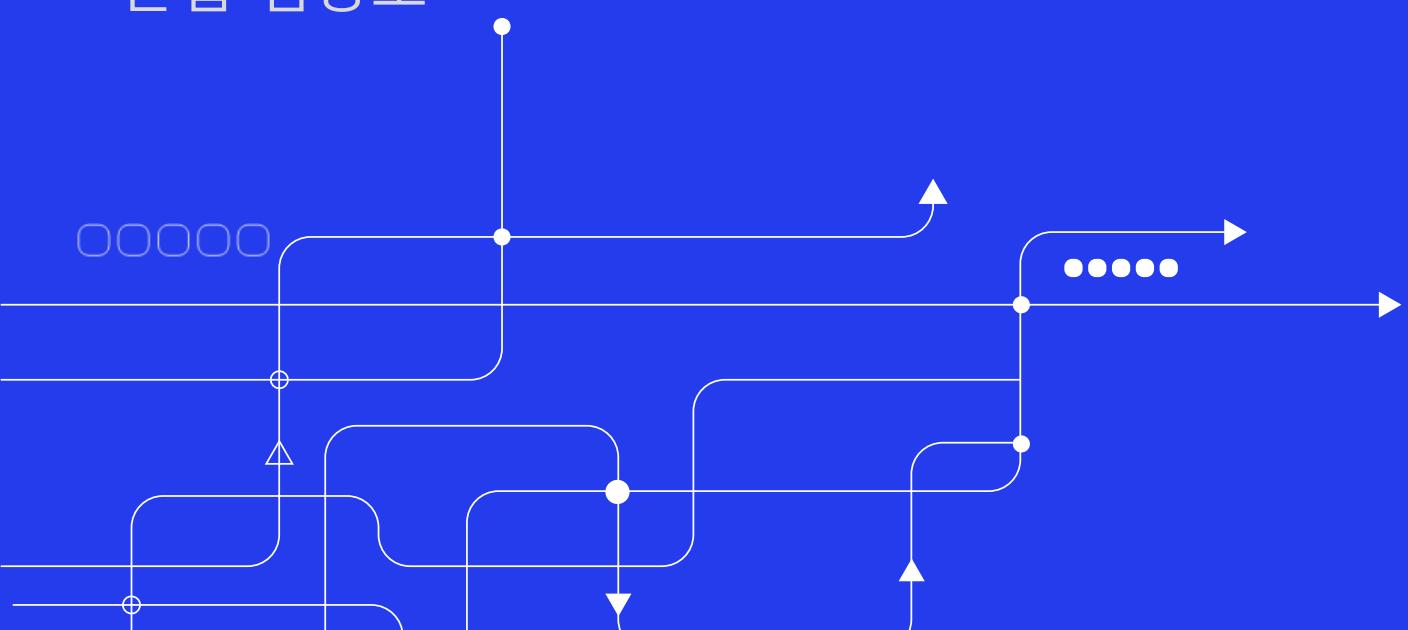


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1. Black Duck 기능의 제한

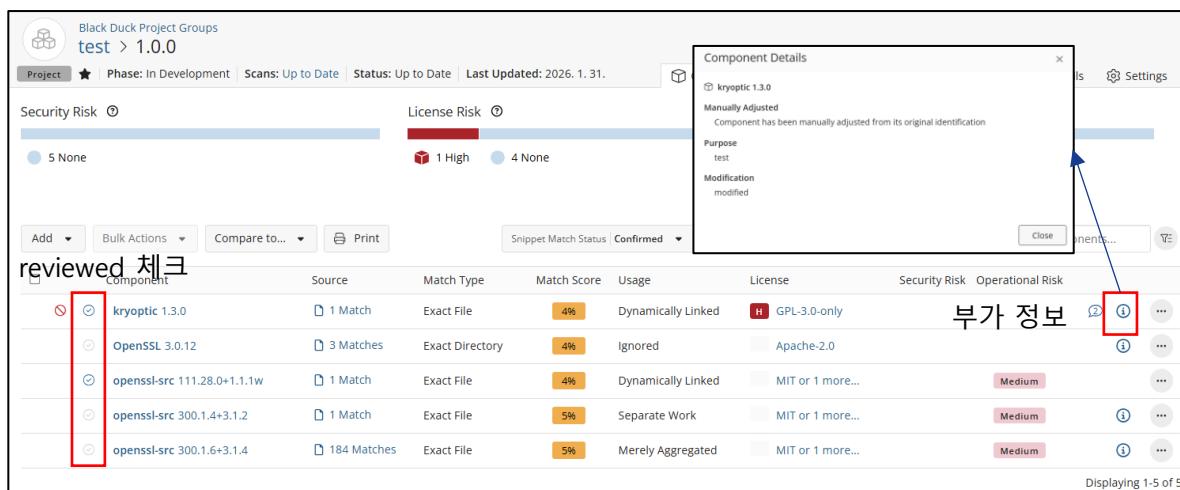
1.1 파생된 프로젝트의 리뷰 결과 Sync 안됨

1.1.1 현상

- 파생된 프로젝트가 Black Duck에 독립적인 프로젝트로 등록된 경우, 개발팀이 review한 결과가 Sync가 안됨

1.1.2 문제점

- 개발자가 수동으로 거의 유사한 review 결과를 모든 오픈소스 컴포넌트에 적용해야 함



Black Duck Project Groups
test > 1.0.0
Project ★ | Phase: In Development | Scans: Up to Date | Status: Up to Date | Last Updated: 2026. 1. 31.

Security Risk: 5 None | License Risk: 1 High, 4 None

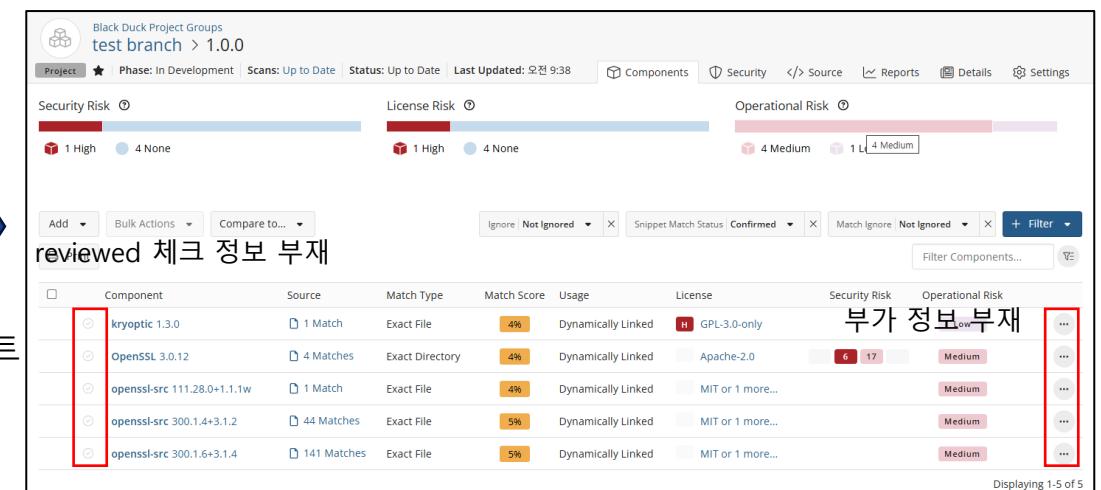
Component Details
↳ kryptic 1.3.0
Manually Adjusted
Component has been manually adjusted from its original identification
Purpose: test
Modification: modified

Component	Source	Match Type	Match Score	Usage	License	Security Risk	Operational Risk
kryptic 1.3.0	1 Match	Exact File	49%	Dynamically Linked	GPL-3.0-only	High	Medium
OpenSSL 3.0.12	3 Matches	Exact Directory	49%	Ignored	Apache-2.0	None	Low
openssl-src 111.28.0+1.1.1w	1 Match	Exact File	49%	Dynamically Linked	MIT or 1 more...	Medium	Low
openssl-src 300.1.4+3.1.2	1 Match	Exact File	5%	Separate Work	MIT or 1 more...	Medium	Low
openssl-src 300.1.6+3.1.4	184 Matches	Exact File	5%	Merely Aggregated	MIT or 1 more...	Medium	Low

Reviewed 체크
Displaying 1-5 of 5

기준: test 프로젝트에 개발팀이 review 결과 기록

프로젝트
파생



Black Duck Project Groups
test branch > 1.0.0
Project ★ | Phase: In Development | Scans: Up to Date | Status: Up to Date | Last Updated: 오전 9:38

Security Risk: 1 High, 4 None | License Risk: 4 Medium, 1 Low | Operational Risk: 4 Medium, 1 Low

reviewed 체크 정보 부재

Component	Source	Match Type	Match Score	Usage	License	Security Risk	Operational Risk
kryptic 1.3.0	1 Match	Exact File	49%	Dynamically Linked	GPL-3.0-only	High	Medium
OpenSSL 3.0.12	4 Matches	Exact Directory	49%	Dynamically Linked	Apache-2.0	Medium	Low
openssl-src 111.28.0+1.1.1w	1 Match	Exact File	49%	Dynamically Linked	MIT or 1 more...	Medium	Low
openssl-src 300.1.4+3.1.2	44 Matches	Exact File	5%	Dynamically Linked	MIT or 1 more...	Medium	Low
openssl-src 300.1.6+3.1.4	141 Matches	Exact File	5%	Dynamically Linked	MIT or 1 more...	Medium	Low

Reviewed 체크 정보 부재
Displaying 1-5 of 5

파생 프로젝트: test에서 파생된 프로젝트(test branch) 검증 결과

2. 해결 방법

2.1 파생된 프로젝트 간에 리뷰 결과 Sync 프로그램

Black Duck Project Groups
test > 1.0.0
Project ★ Phase: In Development Scans: Up to Date Status: Up to Date Last Updated: 2026. 1. 31.

Security Risk: 5 None License Risk: 1 High 4 None

Component Details
kryptic 1.3.0
Manually Adjusted Component has been manually adjusted from its original identification
Purpose: test
Modification: modified

Component	Source	Match Type	Match Score	Usage	License	Security Risk	Operational Risk
kryptic 1.3.0	1 Match	Exact File	4%	Dynamically Linked	GPL-3.0-only	Low	Medium
OpenSSL 3.0.12	3 Matches	Exact Directory	4%	Ignored	Apache-2.0	Medium	Low
openssl-src 111.28.0+1.1.1w	1 Match	Exact File	4%	Dynamically Linked	MIT or 1 more...	Medium	Medium
openssl-src 300.1.4+3.1.2	1 Match	Exact File	5%	Separate Work	MIT or 1 more...	Medium	Medium
openssl-src 300.1.6+3.1.4	184 Matches	Exact File	5%	Merely Aggregated	MIT or 1 more...	Medium	Medium

reviewed 체크 부가 정보

Displaying 1-5 of 5

기존: test 프로젝트에 개발팀이 review 결과 기록

Black Duck Project Groups
test branch > 1.0.0
Project ★ Phase: In Development Scans: Up to Date Status: Up to Date Last Updated: 오후 12:37

Security Risk: 5 None License Risk: 1 High 4 None Operational Risk: 3 Medium 1 Low 1 None

Component Details
kryptic 1.3.0
Manually Adjusted Component has been manually adjusted from its original identification
Purpose: test
Modification: modified

Component	Source	Match Type	Match Score	Usage	License	Security Risk	Operational Risk
kryptic 1.3.0	1 Match	Exact File	4%	Dynamically Linked	GPL-3.0-only	Low	Medium
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openssl-src 300.1.4+3.1.2	44 Matches	Exact File	5%	Separate Work	MIT or 1 more...	Medium	Medium
openssl-src 300.1.6+3.1.4	141 Matches	Exact File	5%	Merely Aggregated	MIT or 1 more...	Medium	Medium

reviewed 체크 부가 정보 Sync

부가 정보 Sync

Displaying 1-5 of 5

파생 프로젝트: test에서 파생된 프로젝트(test branch) 검증 결과

config.json (환경 설정 파일)

```
{  
  "blackduckUrl": "https://xxx.xxxx.xxx",  
  "apiToken": "токен값",  
  "originProjectName": "test",  
  "originProjectVersion": "1.0.0",  
  "targetProjectName": "test branch",  
  "targetProjectVersion": "1.0.0",  
  "syncOptions": [  
    "Review Status", "Origin ID", "Usage", "Purpose",  
    "Modification", "Modification Details", "Copyrights", "Ignored"  
  ],  
  "output": "result"  
}
```

run_SyncOSSComponet.bat or sh

```
[LOG] Origin Project: test 1.0.0  
[LOG] Target Project: test branch 1.0.0  
[LOG] Sync Options: [Review Status, Origin ID, Usage, Purpose, Modification, Modification Details, Copyrights, Ignored]  
[LOG] Read 5 components from CSV file  
[LOG] Target Project ID: c30a376e-4b8a-4305-9e71-9bd8f55b01e  
[LOG] Target Version ID: 4d4e1901-6ae8-474c-bb48-72ed73f40640  
[LOG] Found 5 components in target project  
[WARN] Origin ID cannot be updated via API for kryptic 1.3.0  
[SUCCESS] Synced kryptic 1.3.0  
[WARN] Origin ID cannot be updated via API for OpenSSL 3.0.12  
[SUCCESS] Synced OpenSSL 3.0.12  
[WARN] Origin ID cannot be updated via API for openssl-src 111.28.0+1.1.1w  
[SUCCESS] Synced openssl-src 111.28.0+1.1.1w  
[WARN] Origin ID cannot be updated via API for openssl-src 300.1.4+3.1.2  
[SUCCESS] Synced openssl-src 300.1.4+3.1.2  
[WARN] Origin ID cannot be updated via API for openssl-src 300.1.6+3.1.4  
[SUCCESS] Synced openssl-src 300.1.6+3.1.4  
[LOG] Synced 5 components successfully
```

3. 결론

3.1 프로그램 공개

공개 요청 시, 해당 검증 프로그램과 소스 코드를 Github 공개 검토

저장소	기능
blackduck-project-version-sync	파생된 프로젝트 간에 리뷰 결과 Sync 프로그램

감사합니다.