

Black Duck을 좀 더 편하게 02

2026-02-12
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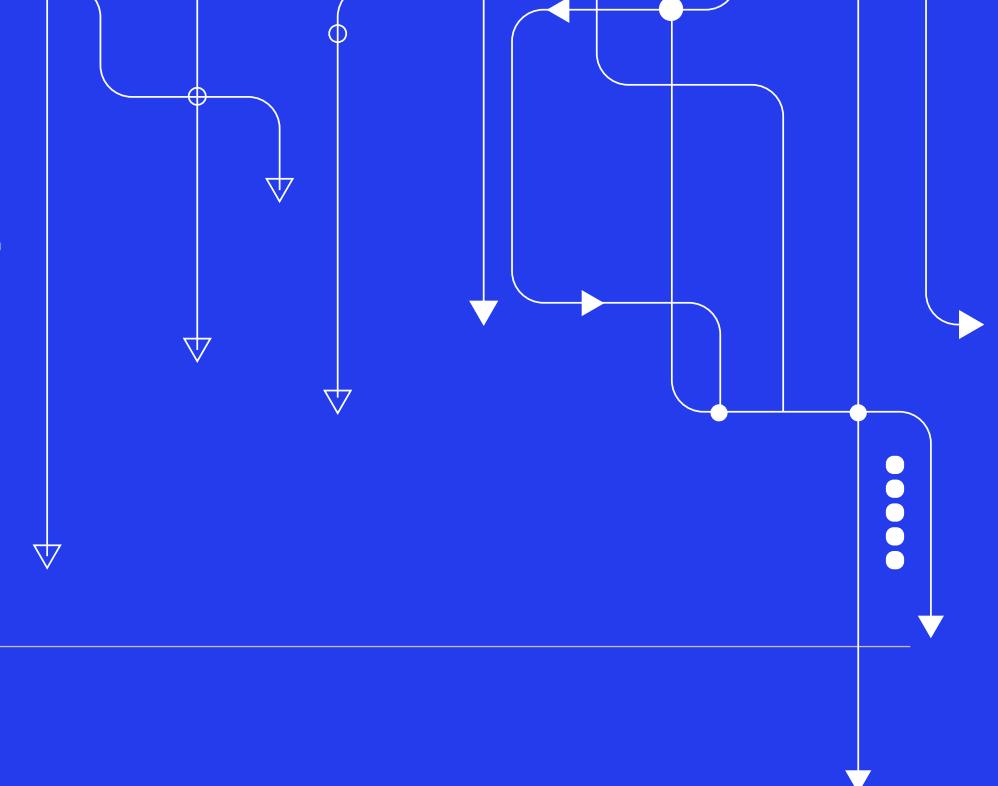
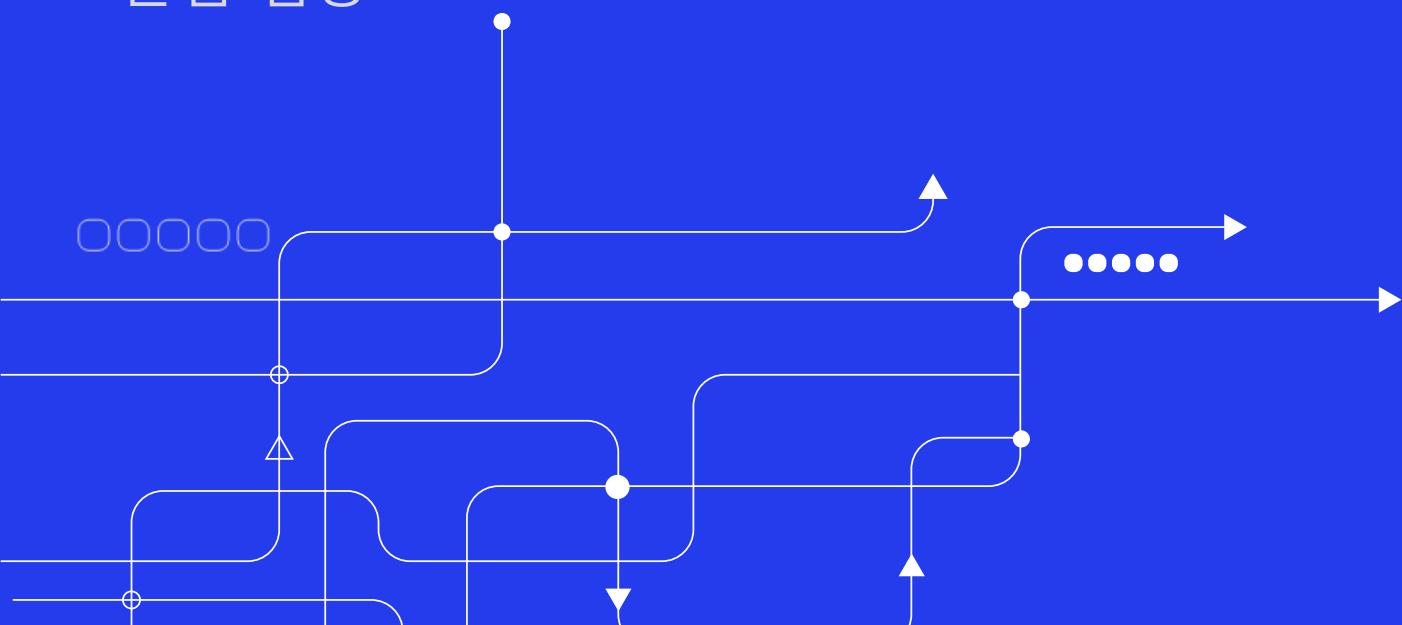


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1. Black Duck 기능의 제한

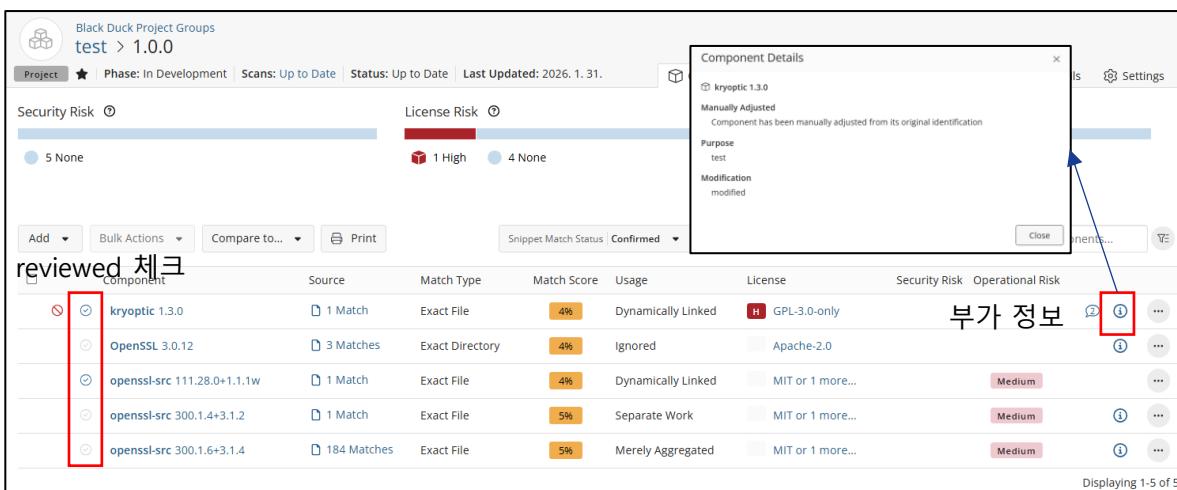
1.1 파생된 프로젝트의 리뷰 결과 Sync 안됨

1.1.1 현상

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

1.1.2 문제점

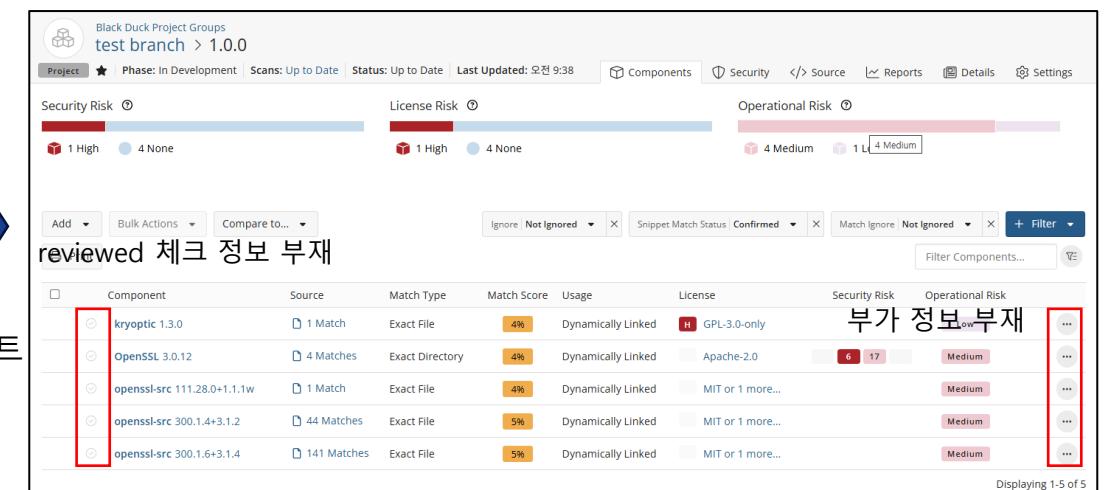
- 개발자가 수동으로 거의 유사한 review 결과를 모든 오픈소스 컴포넌트에 적용해야 함



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	Low	Low
OpenSSL 3.0.12	3 Matches	Exact Directory	49%	Ignored	Apache-2.0	Low	Low
openssl-src 111.28.0+1.1.1w	1 Match	Exact File	49%	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

기준: test 프로젝트에 개발팀이 review 결과 기록

프로젝트
파생

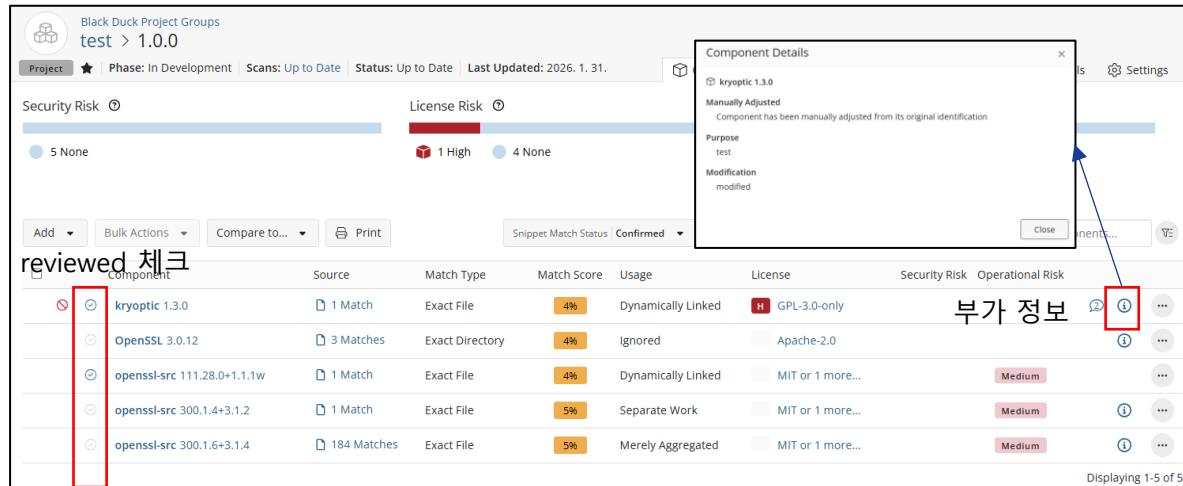


Component	Source	Match Type	Match Score	Usage	License	Security Risk	Operational Risk
kryptic 1.3.0	1 Match	Exact File	49%	Dynamically Linked	GPL-3.0-only	Low	Low
OpenSSL 3.0.12	4 Matches	Exact Directory	49%	Dynamically Linked	Apache-2.0	Medium	Medium
openssl-src 111.28.0+1.1.1w	1 Match	Exact File	49%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

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 ① License Risk ②

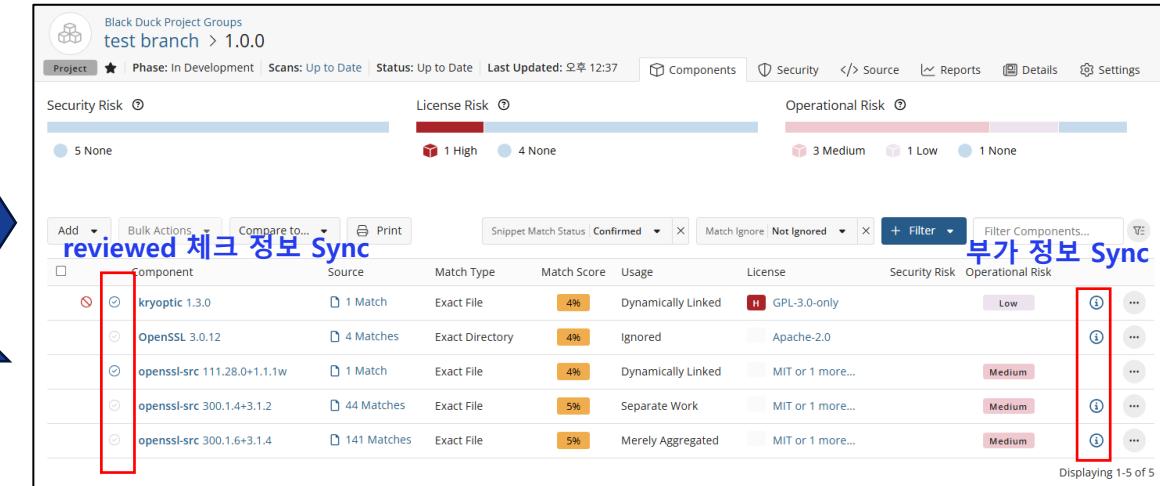
Component Details
↳ kryptic 1.3.0
Manually Adjusted Component has been manually adjusted from its original identification
Purpose test
Modification modified

reviewed 체크 Component Source Match Type Match Score Usage License Security Risk Operational Risk

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	Low
OpenSSL 3.0.12	3 Matches	Exact Directory	4%	Ignored	Apache-2.0	Medium	Medium
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

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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 ① License Risk ② Operational Risk ③

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

reviewed 체크 정보 Sync Component Source Match Type Match Score Usage License Security Risk Operational Risk

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	Low
OpenSSL 3.0.12	4 Matches	Exact Directory	4%	Ignored	Apache-2.0	Medium	Medium
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	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

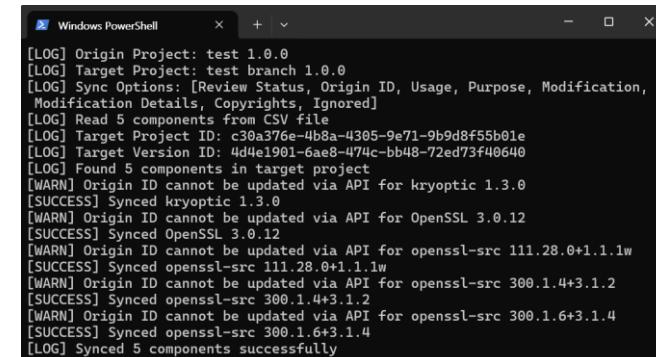
Displaying 1-5 of 5

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

config.json (환경 설정 파일)

```
{  
  "blackduckUrl": "https://xxx.xxxx.xxxx",  
  "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-4305-9e71-9b9d8f55b01e  
[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.