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| Comparison Between DevSecOps Tool -Snyk vs Trivy |

# Document History

| Ver. No | Release Date | Created By / Modified By and Date | Reviewed By and Date | Approved By and Date | Remarks and Changes Made |
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| 1.0 | 12tth Oct 2023 | Ruturaj Kharde / 12th Oct 2023 | Prasad Gattetwar and Rajanigandha Gaikwad /5th Dec 2023 |  |  |

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# Comparisioin

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| Parameters | Snyk | Trivy |
| Open Source | It comes with 3 plans .Free Plan ,Team Plan(PAID) Enterprise Plan(PAID) | It is completely free tool |
| Primary Focus | Projects, Docker images | Containers, Kubernetes, cloud, serverless, Projects |
| Feature | Basic vulnerability scanning | Advanced features |
| Pre-Installation | No preinstallation is required | Go language needs to be pre-installed |
| Supported OS | Almost supports all OS(Linux,Ubuntu,Windows,Mac,Docs) | Almost supports all OS(Linux,Ubuntu,Windows,Mac,Docs) |
| Scanning Timing | Fast compared to trivy | Slow compared to snyk |
| Scanning Results Location | Stores the scan result on snyk website dashboard | Stores the scan result on machine locally |
| Result Format | List view format | Table format , JSON format , Sarif format |
| Supported Languages | C, C++, Java, Python, Ruby, Swift, Kotlin, typescript, JavaScript, PHP, Go, HTML ,CSS, JavaScript , typescripts ,PHP ,Ruby on Rails , ASP.NET | C, C++, Java, Python, Ruby, Swift, Kotlin, Typescript, JavaScript, PHP, Go, HTML CSS, JavaScript, typescripts, PHP, Ruby on Rails, ASP.NET |
| Majorly Used With | Repository scanning , CICD project scanning , Local project scanning , Docker images | Repository scanning ,CICD project scanning , Containers, Kubernetes, cloud, serverless, Local projects scanning |
| Use Friendly | Dashboard is simple and user-friendly | Compared to Snyk ,trivy is not so user friendly as we have to deal it with CLI |
| Limitations | 1. Only Paid tool is having email notification mechanism | 1. If project size is increasing, scanning of the project takes too long time.  2. If we want to exclude any of the file from scan, no mechanism is available |
| Home Page Link | https://app.snyk.io/ | https://trivy.dev/ |
| References | Snyk | Developer security | Develop fast. Stay secure. | Snyk | https://aquasecurity.github.io/trivy/v0.47/ecosystem/prod/ |