

GitHub Codespaces & Advanced Security

Lakeside Code Talks





David Losert

Senior Solutions Engineer





Where the world builds software

83M+

Developers

Organizations

Contributions · per year

4M+ 2.6B+ 1,000+ 200M+

Top open source communities

Private + public repositories

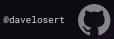


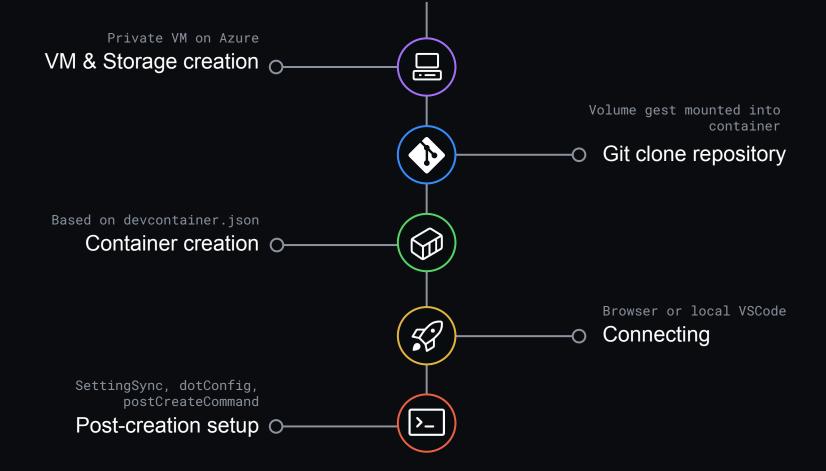


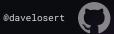
@davelosert



GitHub Codespaces









GitHub Advanced Security



Global IT Security Budget

785%

2016 \$ 81 B



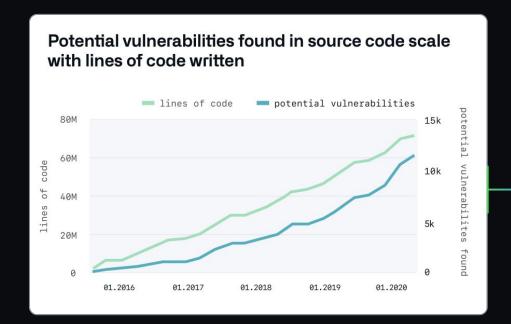
2021 \$ 150 B

https://www.gartner.com/en/newsroom/press-releases/2016-08-09-gartner-says-worldwide-information-security-spending-will-grow-8-percent-to-reach-81-billion-in-2016 https://www.gartner.com/en/newsroom/press-releases/2021-05-17-gartner-forecasts-worldwide-security-and-risk-managem



@davelosert

The state of AppSec



Despite billions of dollars of investment...

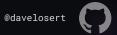
85% of applications still contain a security issue

Code written in 2020 is just as likely to introduce a security issue as code written in 2016

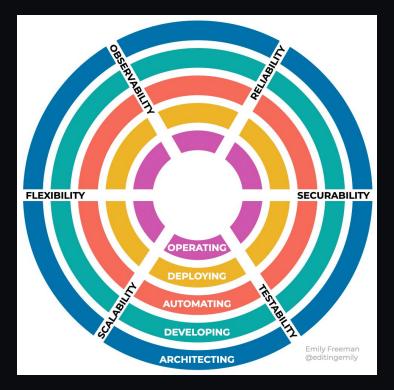




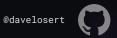
Developers



Modern Software Development



^{*} https://github.com/revolution-model/introduction



Security Distraction



Integrated



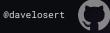
Focused and actionable



Automated



FUN





GitHub Advanced Security



GitHub secures your complete software lifecycle



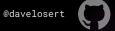
Dependabot



Code Scanning (CodeQL)



Secret Scanning



GitHub Advanced Security Impact

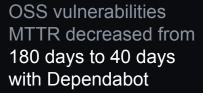
Code vulnerability fix rate of

72%

compared to

15%

Industry norm after 7 days

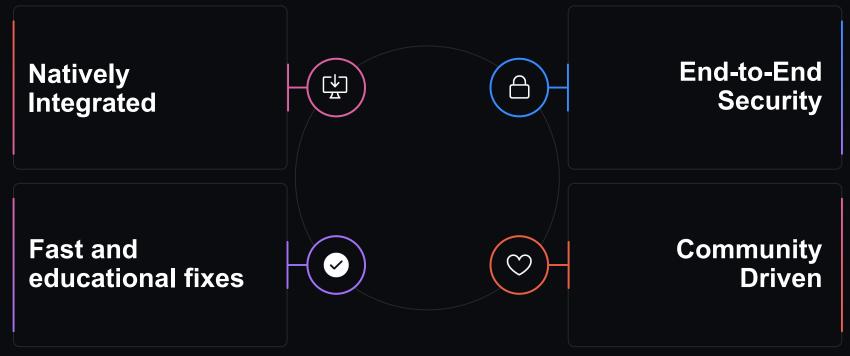


GHAS scan and alerts for secrets and tokens from 60+ providers and growing



The GitHub Difference

Developer empowered security to fix in minutes not months





Danke



