



# DependencyTrack @ WirelessCar



# WirelessCar?

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- Founded in 1999
- Connected vehicle services for automotive industry
- Bought by VW in 2018
- High (and ever increasing) security focus

# Open Source at WirelessCar

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- Dedicated Open Source Program Office
- 2 DTrack PRs created, 1 merged (#4383)
  - Addressing the same issue, but differently
  - Typical “scratch your own itch” scenario

# DependencyTrack @ WirelessCar

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- In production since mid 2022
- (Almost) always running the latest version of DTrack
  - Currently reverted to 4.12.2 due to issue #4595
- Integrated with our CI/CD system
- For each CI/CD build, run
  - CycloneDX Generator (cdxgen)
  - Syft
- Merge & upload

# Some numbers

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- Numbers of CI/CD builds per day: ~6000
- Numbers of DTrack API requests per day: ~100K
- Number of DTrack projects (of which are active): 285K (~4.5K)
- Number of components: ~53M
  - Distinct on NAME: ~38K
  - Distinct on NAME, VERSION: ~280K
- Size of COMPONENT table: 59 GB
  - 43 GB indexes

# Challenges

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- Fast growing DB
  - Performance degradation
- Memory leaks => daily crashes
  - Probably does “select \* from big\_table” somewhere (not yet pinpointed)
  - Workaround: AWS auto-scaling

# Wishlist

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- Stability!
- “When were we vulnerable?": the historic interval in which a vulnerable component was active
- Integration with ClearlyDefined

# Questions?

