Solving the problems of Al in production - how we did it...

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can Al help developers?

goals

The AI Center of Excellence's Project Thoth has three strategic objectives

- Deliver optimized AI stacks as container images to demonstrate the concept
- Prototype Al-backed guidance to delivering value add information on application stacks
- Advanced Analytics and Al-backed automation CI/CD and software maintenance

goals

Increase developer velocity

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How we help Devs

- keep dependencies up to date #cyborg
- maintain App stack secure avoiding CVE
- recommend the most performant software stacks for Al Apps
- Integrate source metadata information to give advice to developers
- Integrate Thoth in day-to-day developers/data scientists tools

Thoth Artfact Upstream Manual Store Gruph / Store Fellock Obser Value Cile Resmands 20 Solly Tropy

What happened?!

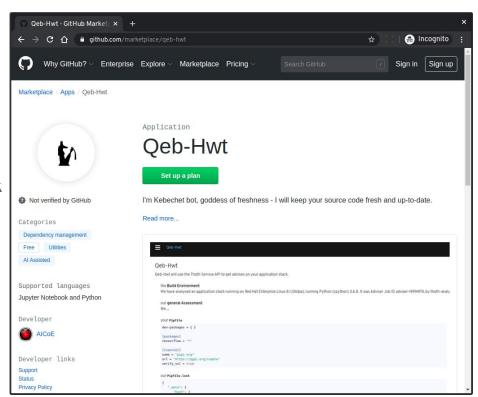
- brainstorm and invent Machine Learning model
 - on top of an evolving Graph of dependencies
 - #epic_fail
- experiment with artificial/synthetic data
 - didn't help
- aggregating and cleansing data
 - :thumbs up:
- create experiments on a stable platform
 - now we are talking!

Current status

- Stable Platform
 - Gathering application stacks and observations
 - Reacting on upstream updates
 - Conduct experiments
- Service to resolve software dependencies
 - Based on our observations
- Service to advise on your application stack
 - for Python ecosystem

one more thing...

- GitHub app to give advice on PR!
- Install from http://bit.ly/a-thoth-bot
- please use http://bit.ly/thoth-feedback



Thank you

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