

How to use Technology Radars to make transparent tech decisions

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The new Engineering Manager...





Why?



Raise your hand if you questioned a technology choice during your first weeks in an organization.



How?





How to easily grasp a dense technology landscape

... and understand the why of certain choices?





How to document technology decisions

... in a centralized and open place?





... and how about when

the team is a community?



Luckily, there is a fantastic tool available to address these exact challenges.

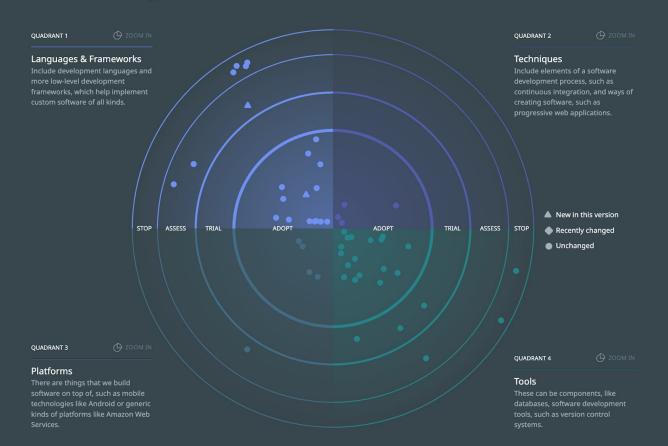




The Technology Radar





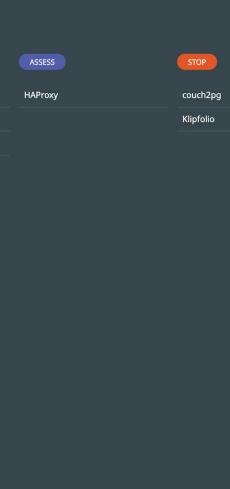




Tools

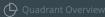
Tools
ADOPT
Android Studio
CouchDB
Docker
git
GitHub Actions
Gradle
Grafana
k3d
k3s
Kubernetes
Make
Nginx
npm
Postgres
Prometheus
SonarCloud
Superset

TRIAL DOT OpenTofu



Tools





dbt

DOT

OpenTofu

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egal Information





<u>dbt</u> is an open-source tool and a commercial SaaS product that provides simple and effective transformation capabilities for data analysts.

dbt uses SQL to model simple batch transformations, while it provides command-line tooling that encourages good engineering practices such as versioning, automated testing and deployment; essentially it implements SQL-based transformation modeling as code. It currently supports multiple data sources, including PostgreSQL.

It the CHT context, dbt runs data tests and migrations for <u>CHT Sync</u>. Once CouchDB data is synchronized and stored in PostgreSQL with CHT Sync, it undergoes transformation using predefined dbt models from the <u>cht-pipeline</u>. dbt is used to ingest raw JSON data from the PosgtreSQL database and normalize it into a relational schema to make it easier to query.

You can find more details about CHT data synchronization tools <u>in the related</u> documentation.

Tags: "data"

Revisions:

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It the CHT context, dbt is being evaluated for running data tests and migrations for cht-sync.



The Undertaking







Get leadership buy-in.





Find the right tool.





Use & customize open-source.





Human-centered design. Always.





Build a culture of documenting technology choices.





Question established technologies.

Look for innovation.



Is it all worth the effort?



The Good







Valuable and fun conversations



Onboarding & hiring



Alignment



Tech stack skills coverage



Strengths and vulnerabilities



Did it solve the challenges?



The Four Lessons Learnt







Building a **culture** of documenting technology decisions takes time.



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Encourage technology conversations **regularly** and **openly**. Document the **why** of every tech choice.



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Be **patient** and **consistent**. Don't expect people to contribute overnight.





Call for Action

How easy is it for new contributors to track technology decisions in your org or community?



Thank You





