Trivadis Technology Radar

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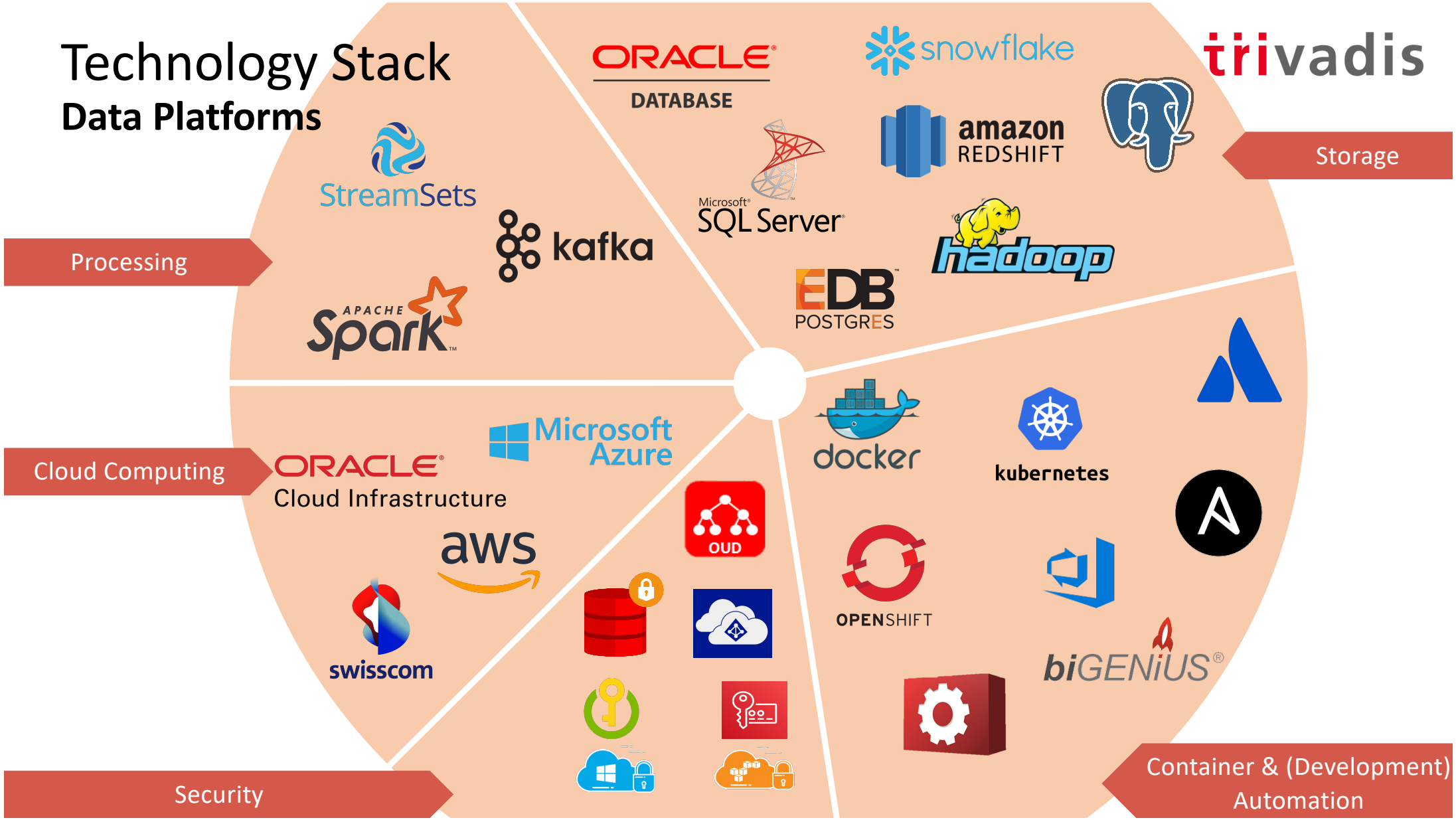
From Technology Stack to Technology Radar

Technology Stack

Data Platforms



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Trivadis Technology Radar

Trivadis Technology Radar

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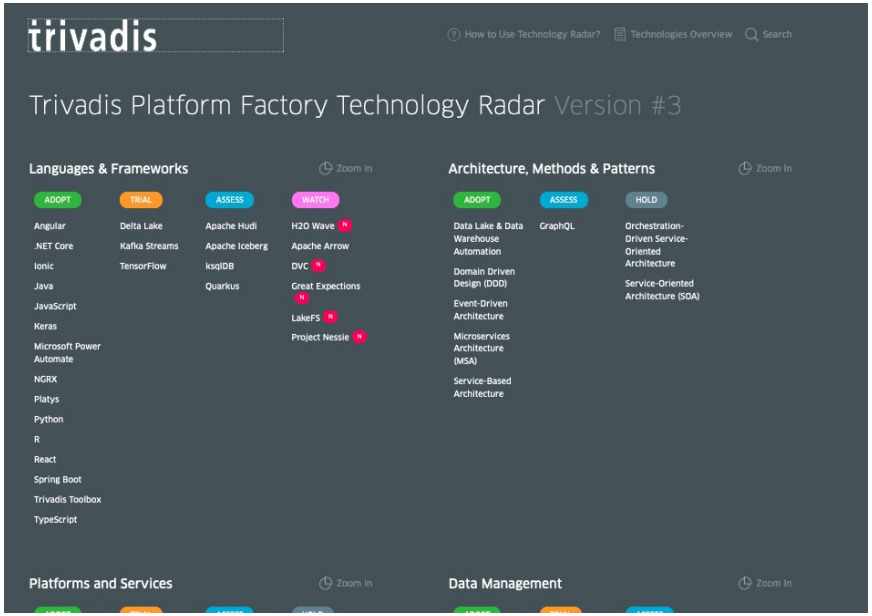
- Source available in the following GitHub private repository: https://github.com/TrivadisPF/trivadis-technology-radar
- Can be installed locally using docker-compose: https://github.com/TrivadisPF/trivadis-technology-radar/blob/master/deployment/README.md
- Deployed on AWS Lightsail
  - **Stable:** http://3.122.200.138:28540/techradar/
  - **Preview:** http://3.122.200.138:28540/techradar/



- To work on the Technology Radar, clone the `develop` branch of the Git project:

```
git clone --branch develop TrivadisPF/trivadis-technology-radar
```

Maintaining the Technology Radar

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- A technology is specified as a Markdown file, placed into one of the subfolders inside folder `radar`
- Subfolders determine the date when the technology has been added
- Each file has a front-matter header where the attributes of the item are listed
  - Attributes `ring`, `quadrant` and `status` have to be one of the values shown on the next page
- For each technology the icon will be stored in the icon folder with the same name as the technology

```
---
id:                 react
title:              "React"
info:               "a modern web framework"
quadrant:           languages-and-frameworks
ring:               adopt
skillsNeeded:       []
relatedTo:          []
alternativeTo:      []
supportsTvdBB:      []
owners:             []
knowHowPageURI:     ""
status:             draft
featured:           true
---
Text goes here. You can use **markdown** here.
```

Maintaining the Technology Radar (II)

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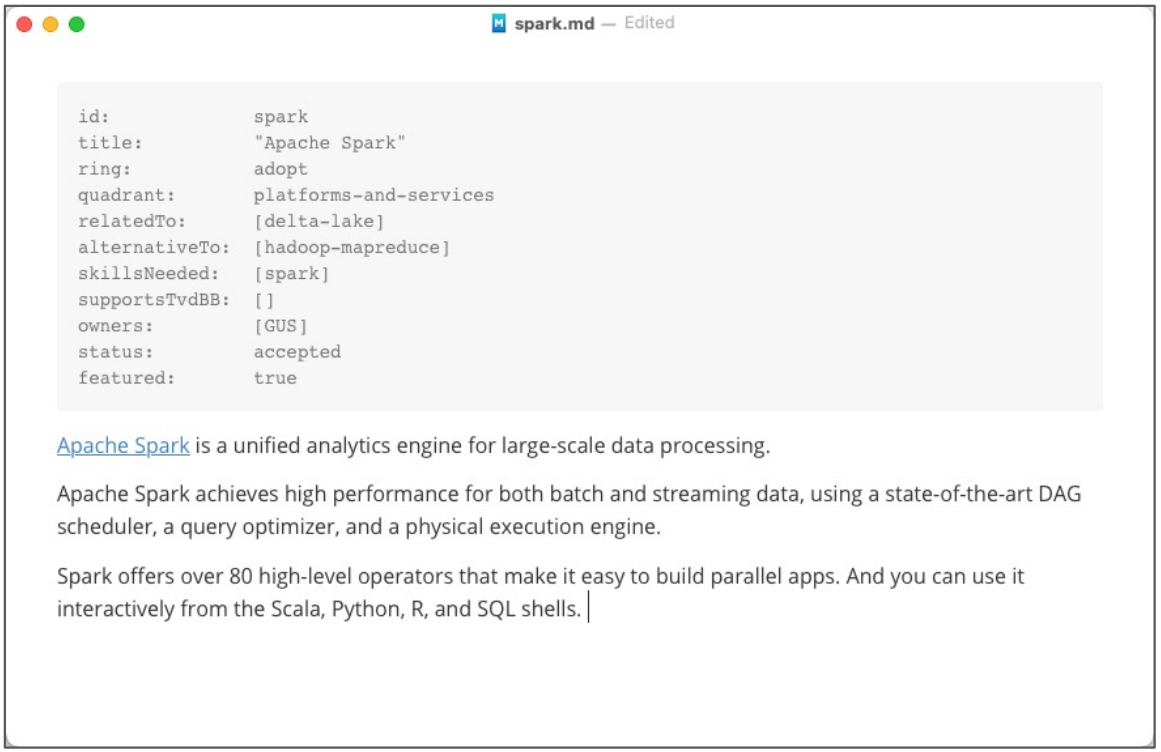
There are many good editors for maintaining markdown files, such as

- https://typora.io/ (win,mac,linux)
- https://macdown.uranusjr.com/ (mac)
- https://wereturtle.github.io/ghostwriter/ (win, mac, linux)



Maintaining the Technology Radar (III)

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Following front-matter attributes are possible:

- **id:** id of the technology
- **title**: Name of the Item
- **info**: (optional) A short textual description of the item (visible in overview pages)
- **quadrant**: Quadrant. One of `languages-and-frameworks`, `data-management`, `platforms-and-services`, `architecture-methods-and-patterns`
- **ring**: Ring section in radar. One of `trial`, `assess`, `adopt`, `hold`, `watch`
- **featured**: (optional, default "true") If you set this to false, the item will not be visible in the radar quadrants but still be available in the overview.
- **relatedTo:** relates to another technology (use the id of the other technology)
- **alternativeTo:** alternative to another technology (use the id of the other technology)
- **skillsNeeded:** the skills needed for this technology (use the id of the skill system to refer to the skill)
- **supportsTvdBB**: used to implement/deliver the Trivadis Building Blocks
- **status:** status of the technology item. One of `draft`, `proposed`, `rejected`, `accepted`, `deprecated`
- **owners:** the owner(s) of the technology, use the Trivadis employee abbreviations

Maintaining the Technology Radar (IV)

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- Anyone can suggest a new technology by submitting a pull-request to the folder of the next iteration
- When finished, check-in the new file into GitHub and after a few minutes, it should be updated

Do we have one global radar or many subject based?

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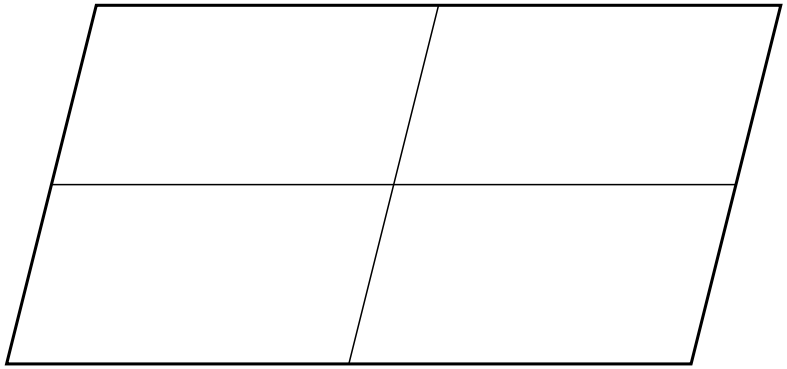
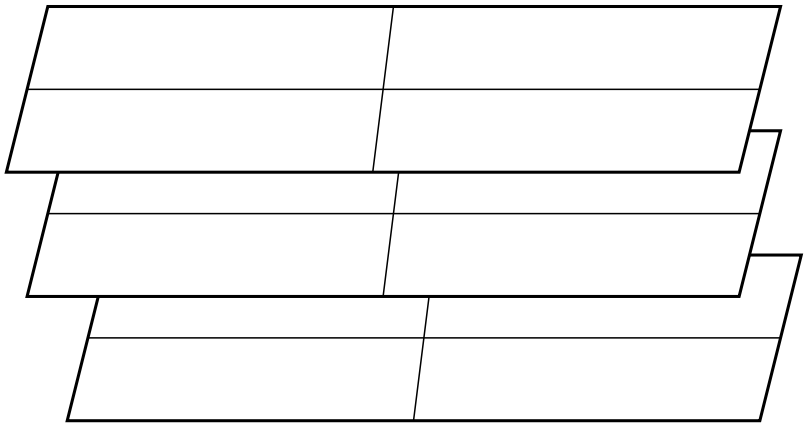
One base of Technology Radar



Vs.

Many Technology Radars



- Currently we are only working on one global Trivadis wide radar
- By using additional metadata we can later add different views onto the radar

Tech Radar in context

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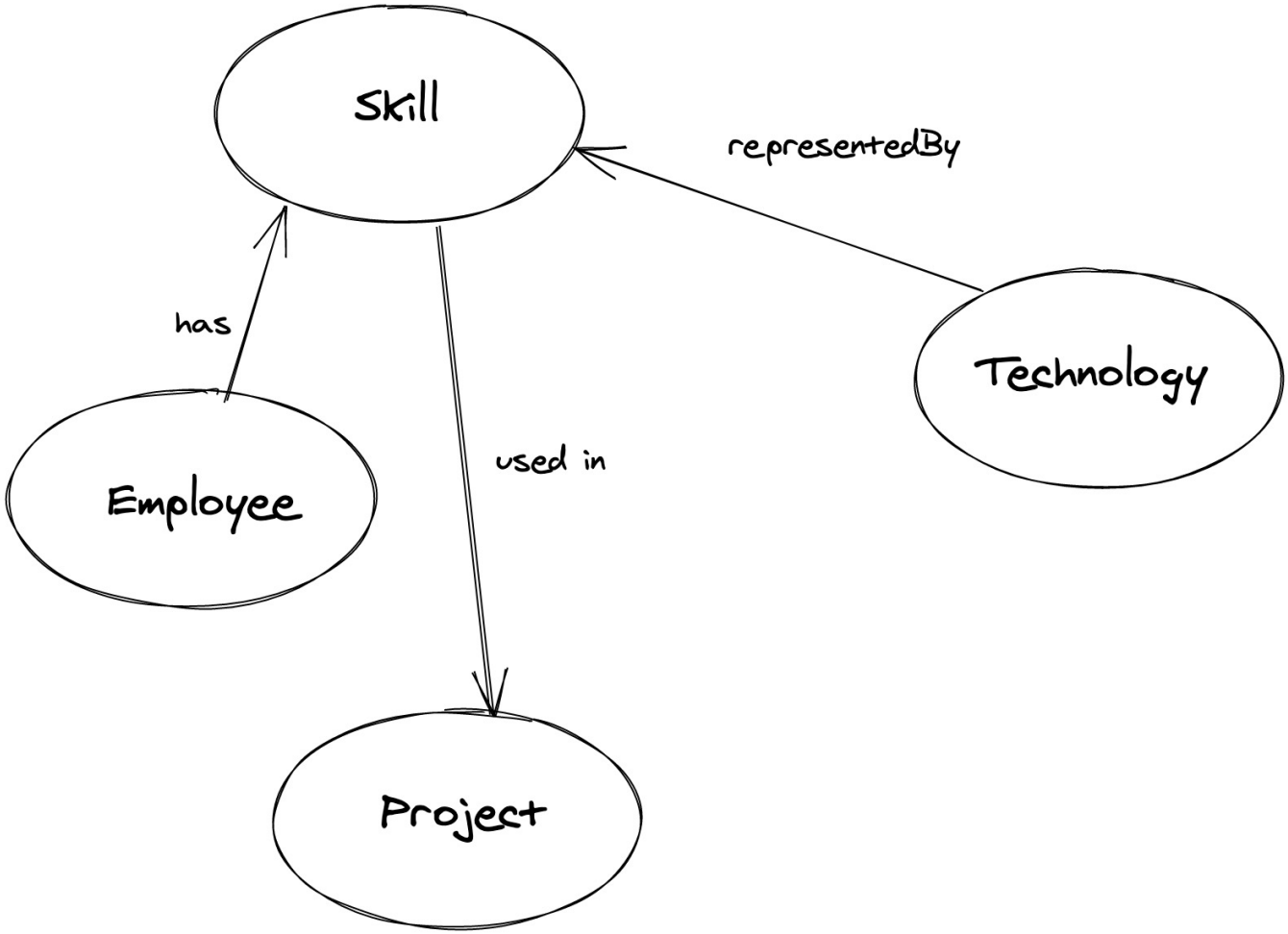

Validation

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- https://www.npmjs.com/package/mwks-jsonlint
- https://www.npmjs.com/package/yaml-front-matter

- https://www.npmjs.com/package/frontmatter-validator

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