[개정판] Spring Boot를 이용한 RESTful API 개발

{ REST API } + Spring Boot

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6. Section

RESTful API 설계 가이드

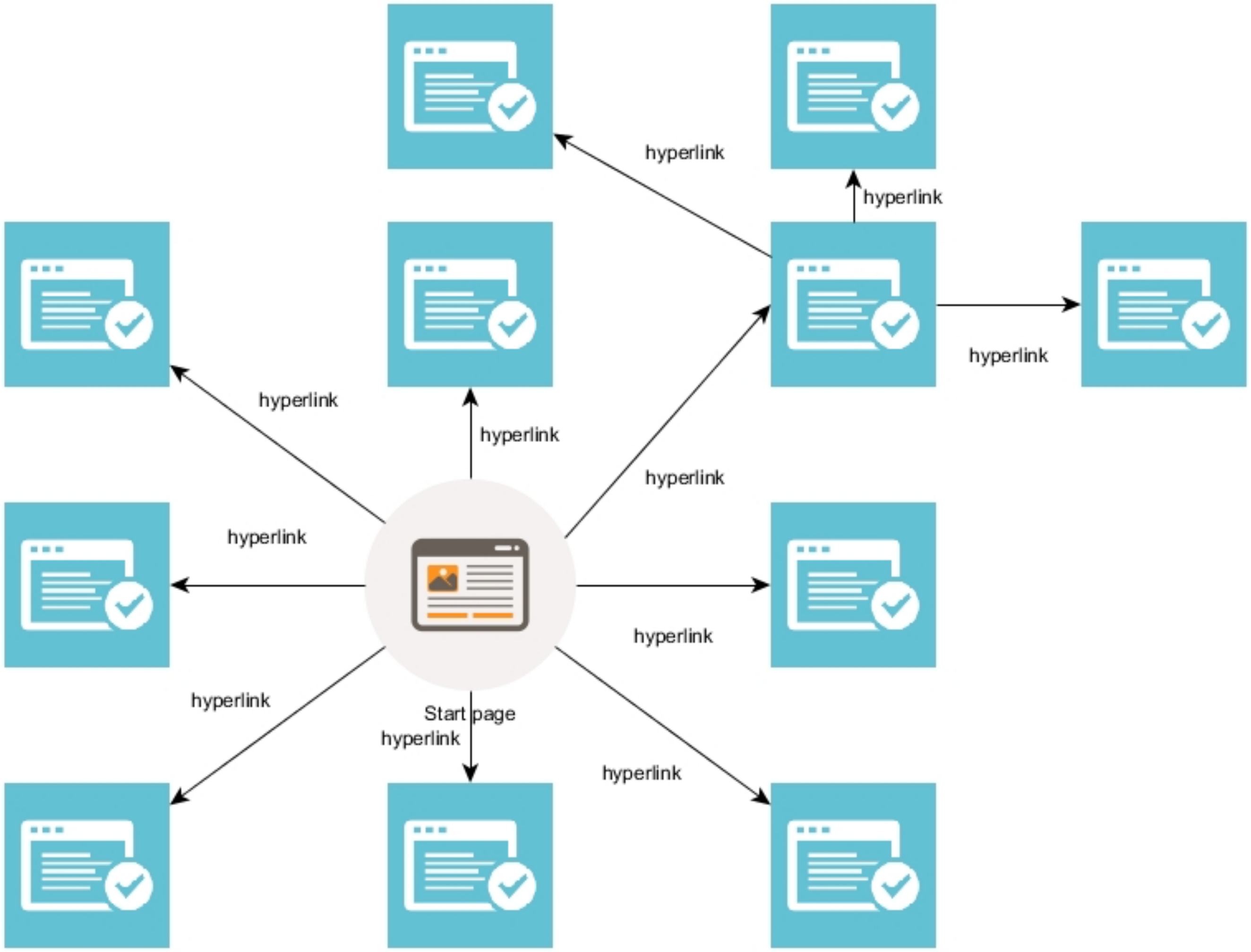
- Richardson Maturity Model
- Best Practices

Richardson Maturity Model

- "A way to grade your API according to the constraints of REST."

by Leonard Richardson

- LEVEL 0
  - Expose soap web services in rest style
  - http://server/getPosts
  - http://server/deletePosts
  - http://server/doThis
- LEVEL 1
  - Expose resources with proper uri
  - http://server/accounts
  - http://server/accounts/10
  - note: improper use of http methods
- LEVEL 2
  - Level1 + HTTP Methods
- LEVEL 3
  - Level2 + HATEOAS
  - DATA + NEXT POSSIBLE ACTIONS



Best practices

- Consumer first
- Make best use of HTTP
- Request methods
  - GET
  - POST
  - PUT
  - DELETE
- Response Status
  - 200
  - 404
  - 400
  - 201
  - 401

- No secure info in URI
- Use plurals
  - prefer /users to /user
  - prefer /users/1 to /user/1
- User nouns for resources
- For exceptions
  - define a consistent approach

    /search
    PUT /gists/{id}/star
    DELETE /gists/{id}/star

Thank you

- ~~Spring Cloud를 활용한 Microservice 개발~~
- ~~DevOps를 위한 CI/CD~~
- Spring Boot/Webflux를 이용한 Reactive RESTful 서비스 개발

Sources: https://github.com/joneconsulting/new-my-restful-service
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