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INSIDE KNOWLEDGE

Professional NgRx

1 - Introduction



About Me...



- Rainer Hahnekamp
ANGULARarchitects.io
- Trainings and Consulting



<https://www.youtube.com/c/RainerHahnekamp>



<https://www.ng-news.com>



@RainerHahnekamp



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Use cases of NgRx integrated into an enterprise-level application



Exercise-intensive workshop

Theory (Slides) &
Live Coding

Exercise Time
~ 40 minutes

Discussion of the
Solution



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Engage!



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Organisational

- 4 Units per Day
- 1 Unit ~ 1.30 hours
- 15 minutes breaks
- 1 hour lunch break from 12.00 - 13.00



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Agenda

1. Introduction & Fundamentals
2. Architecture
 - a. Modularity
 - b. Dependency Rules
 - c. Repository
 - d. StateModel vs. ViewModel
3. Best practices
 - a. Caching
 - b. Error handling
 - c. Deferred actions
 - d. Dependent feature states
4. Testing
 - a. Unit Tests
 - b. Integration Tests
5. NgRx & friends
 - a. ngrx-immers
 - b. ngrx-store-localstorage
 - c. ngrx-wieder
 - d. Nx's DataPersistence
6. NgRx on steroids
 - a. @ngrx/entity
 - b. @ngrx/data



Introduction Round

1. Who are you?
2. What do you do (in your job)?
3. What topic(s) interests you the most?

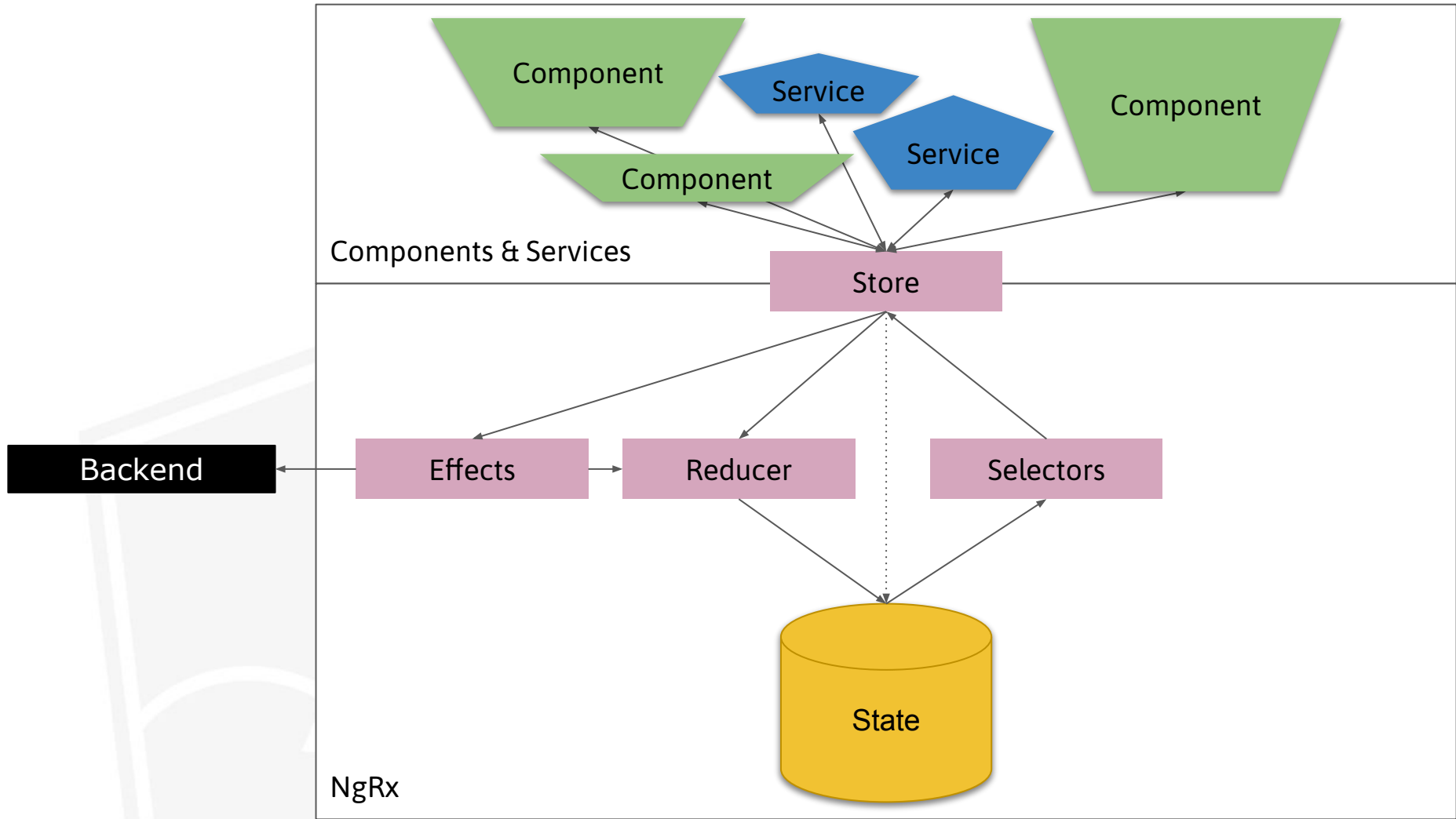


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Fundamentals



SHARI: Why and When

- Shared: same state in multiple components
- Hydration: SSR with StateTransfer
- Availability: persist local state
- Retrieval: communication with API
- Impact: reacting to Events




Why & When? (Personal Answer)

- Multiple components
- Splitting components into smaller pieces
- Persist local state
- Standardized way on how to do things
 - List of all possible actions
 - Files with clear scope
 - Conventions



Application walkthrough

 Unforgettable Holidays


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HolidaysCustomersBookings


Choose among our Holidays

Vienna / Wien

Dive into the capital of the Habsburg empire




With a population of almost 2 million, Vienna is the second largest German-speaking city and breathes history in every


 [Get a Brochure](#)

London

Explore one of the world's most famous cities




Being a tourist magnet, this city needs no further introduction.


 [Get a Brochure](#)

Detroit

Top 10 of the cosmopolitan cities of the world




This US city is mainly known for the automobile industry. It hosts the GM's headquarters.


 [Get a Brochure](#)

Reykjavik

The northernmost capital of the world and entry to Iceland




Iceland is a small island between Europe and America. It is best known for its nature and landscape which look almost alien.


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Copenhagen / København

Europe's most livable city




Copenhagen is the capital of Denmark and is located on Seeland which is one of the three main Danish islands.


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Shanghai / 上海市

East meets West



Although not being the capital of China, Shanghai is a good choice for a China voyage. It can be reached very easily.

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Comments

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