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EGN Services Architecture

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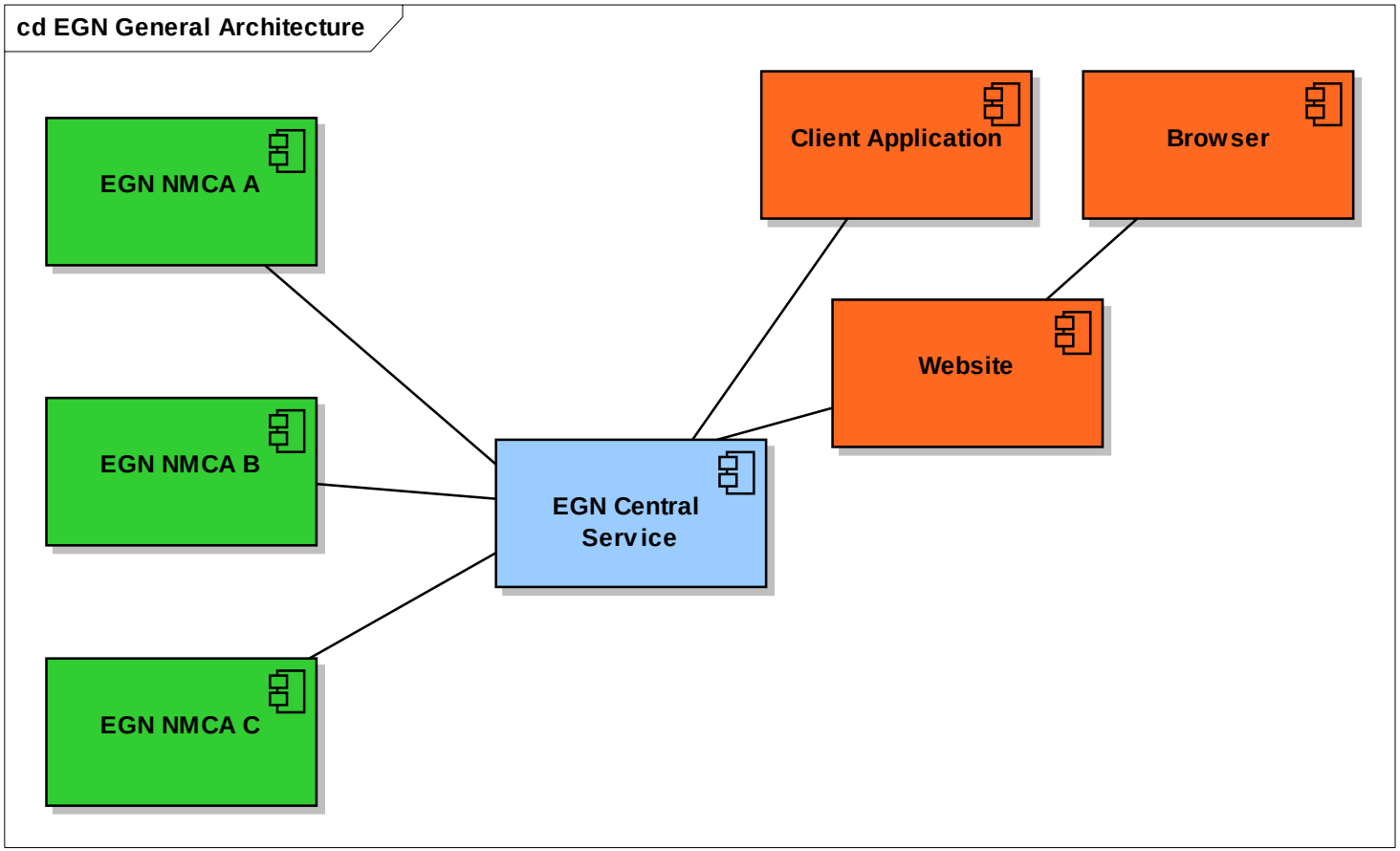
EGN General Architecture



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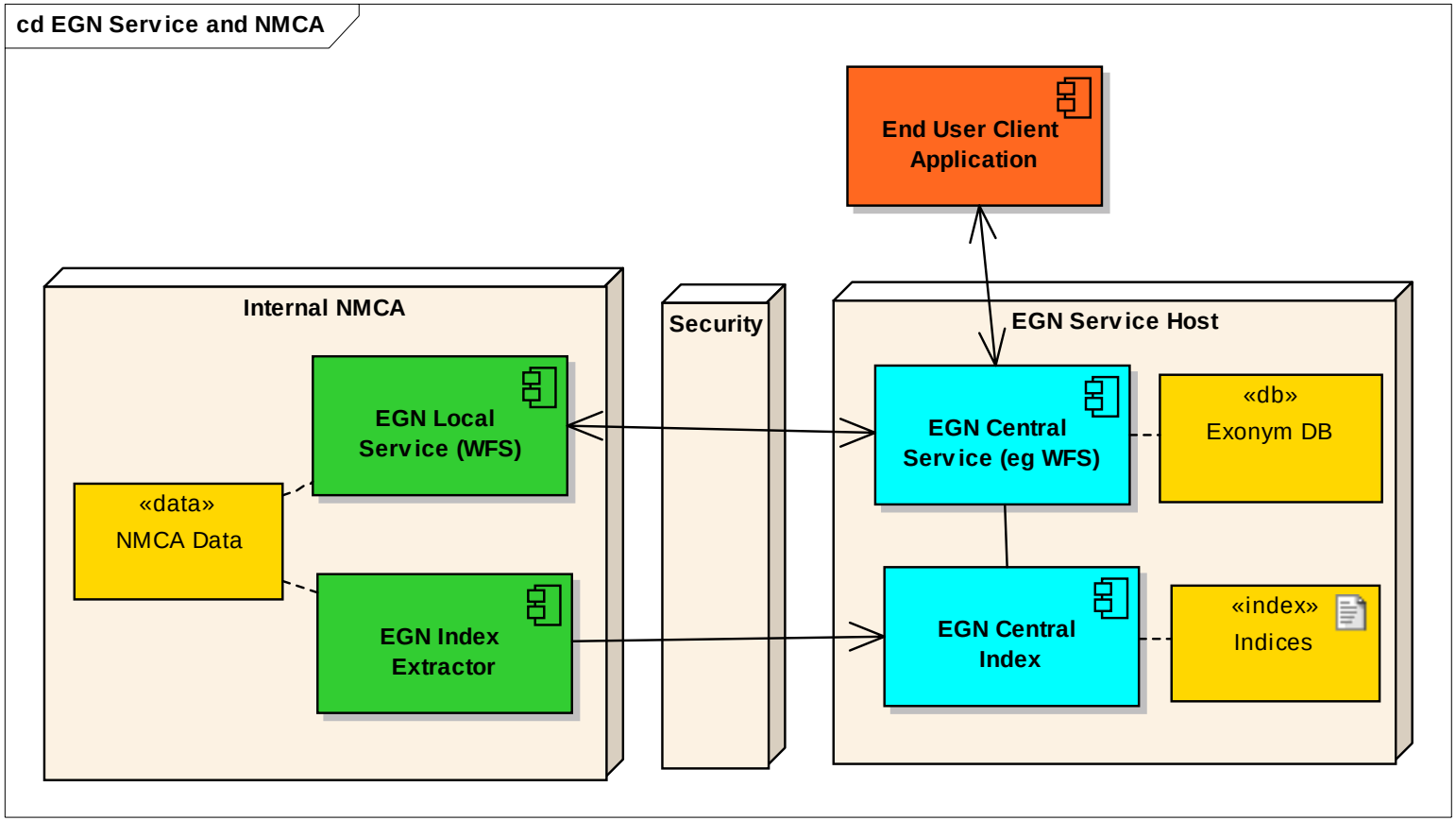
EGN Service and NMCA Internal Architecture



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Elements in EGN Central Service

- EGN Service (WFS)
  - Interface for end user applications
- Exonym database
  - Maps exonyms to corresponding endonyms
- Central index
  - Extra search functionality (fuzzy, sounds as, ..)
  - More reliable system
  - Faster results
  - No unnecessary traffic and queries

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Elements in NMCA Service

- EGN Local Service (WFS)
  - Services requests from central EGN service
  - Data remains at location of NMCA
- EGN Index extractor
  - Feeds central index

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EGN NMCA Data provider software

Options

1. EGN consortium develops and provides conversion and service software for NMCA
2. NMCA develops and provides service software, using interface specifications as defined by EGN
   - EGN will provide interface compliance tests
   - Interface specifications will probably follow INSPIRE recommendations and use GML 3.2

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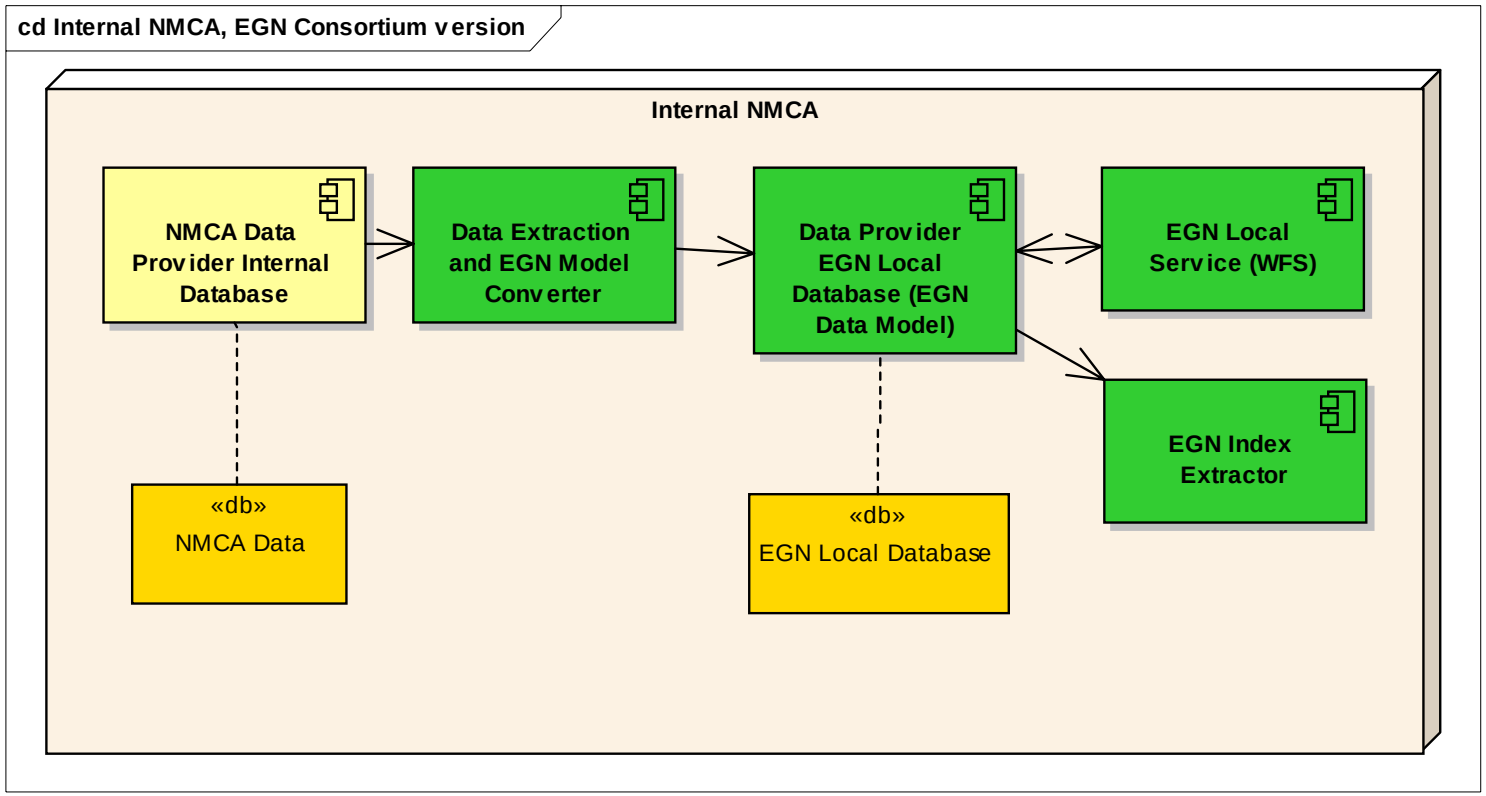
NMCA Service, EGN Consortium version



EGN software vs NMCA software

- EGN software
  - NMCA should allow installation of EGN software on their systems and somehow provide the software with the NMCA data
  - NMCA should probably supply some support to EGN for the development of the Data Extraction and EGN model converter
  - NMCA should wait for the availability of resources from EGN to develop NMCA-specific software
- NMCA software
  - Software development requires NMCA resources
  - NMCA Software should be fully compliant to the external interface specifications as specified by EGN. These specifications may change during the initial implementation and testing fases.

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Questions and Discussion

- Which of the NMCA's consider developing the EGN local service by themselves?
- Which of the NMCA's want EGN to provide the software?
- Which of the NMCA's prefer to postpone connecting to EGN for a while?
- ……