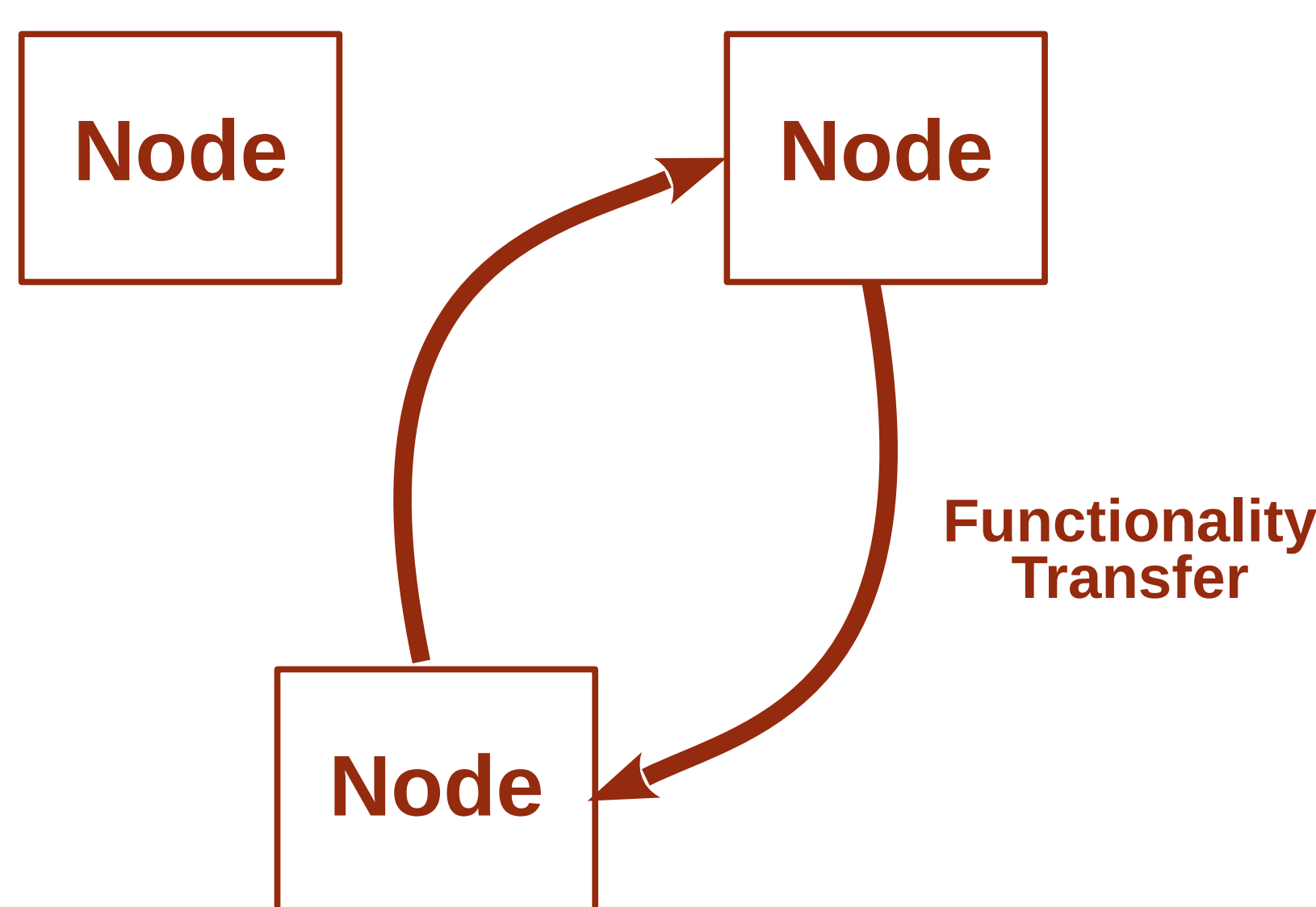
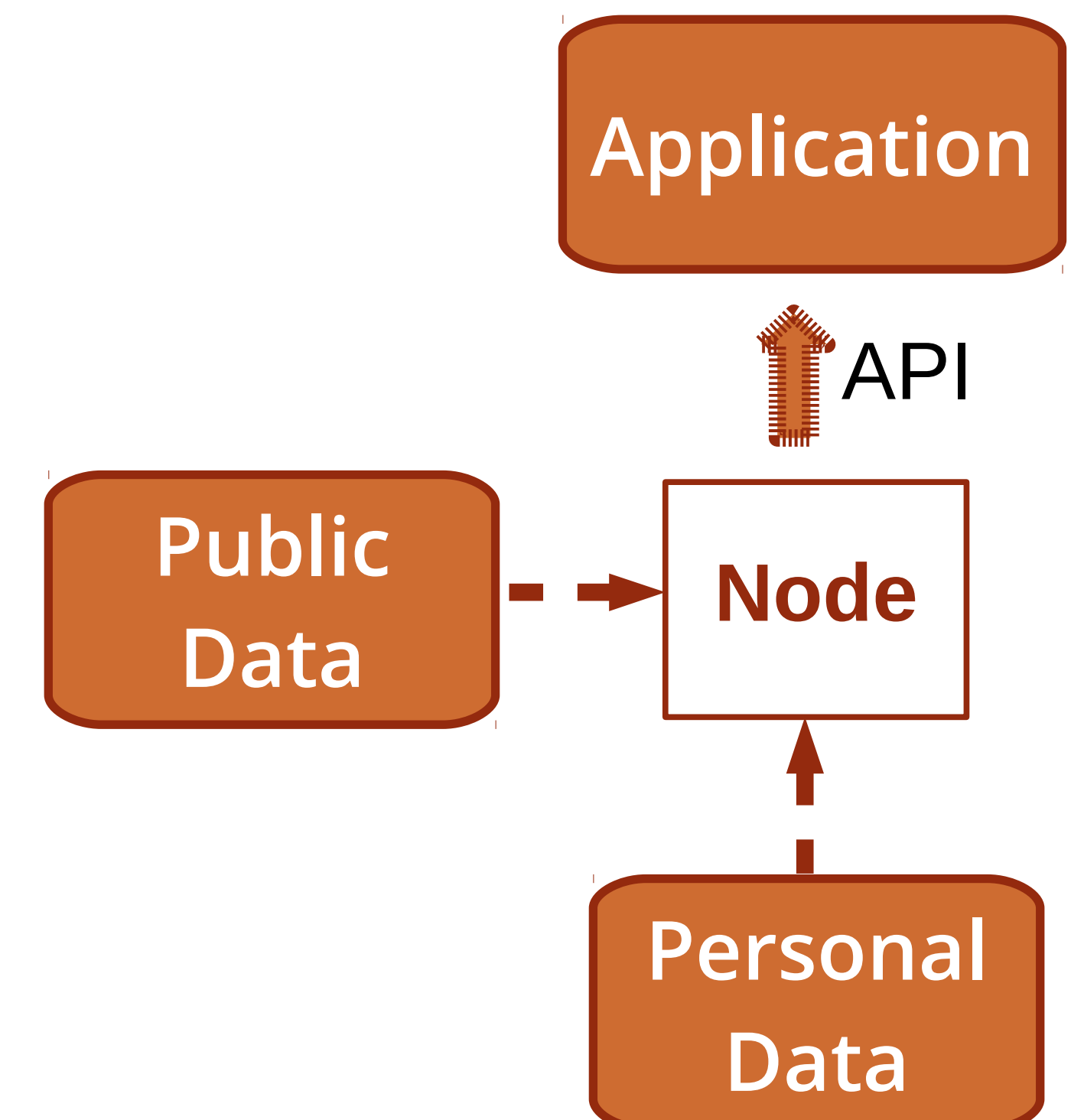


# A personal agent-based approach for API evolution

An approach to expose APIs that adapt to data in control of the user.

One node (personal agent) can expose **Hypermedia APIs** dynamically generated from:

- Personal and public data
- Rules and Queries
- Functionality descriptors and metadata

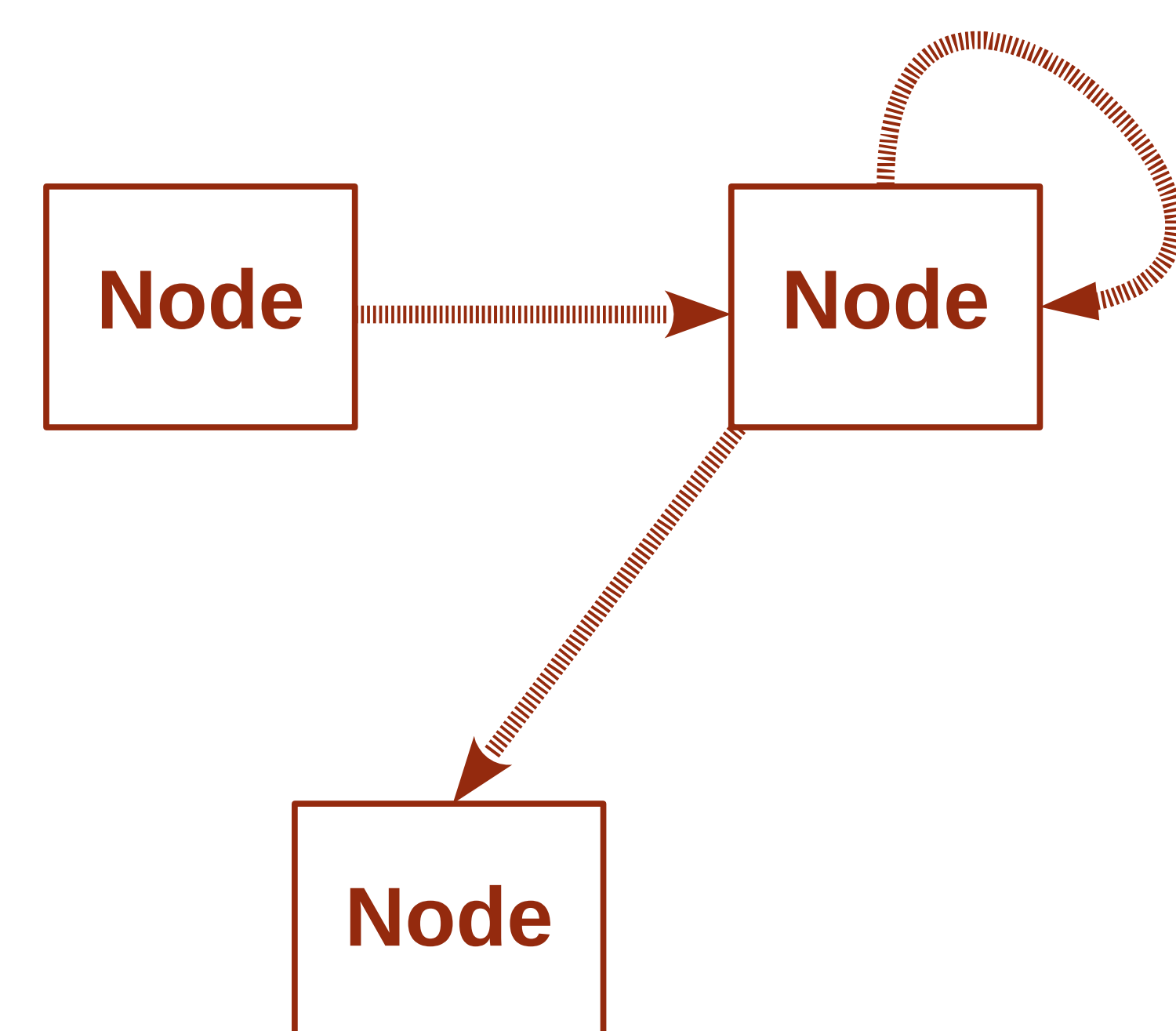


Multiple nodes can:

- **Expose** and **collect** functionality from others
- Evolve their APIs **incrementally**

While APIs evolve, nodes generate Web **API evolution trails** used to:

- Discover of new functionality
- Do mapping between the personal data



## Expectation

- Nodes can **tailor** their APIs, adapting them to the data of a user
- The effort of building APIs is **distributed** among peers
- API evolution trails are useful for **bootstrapping** API functionality