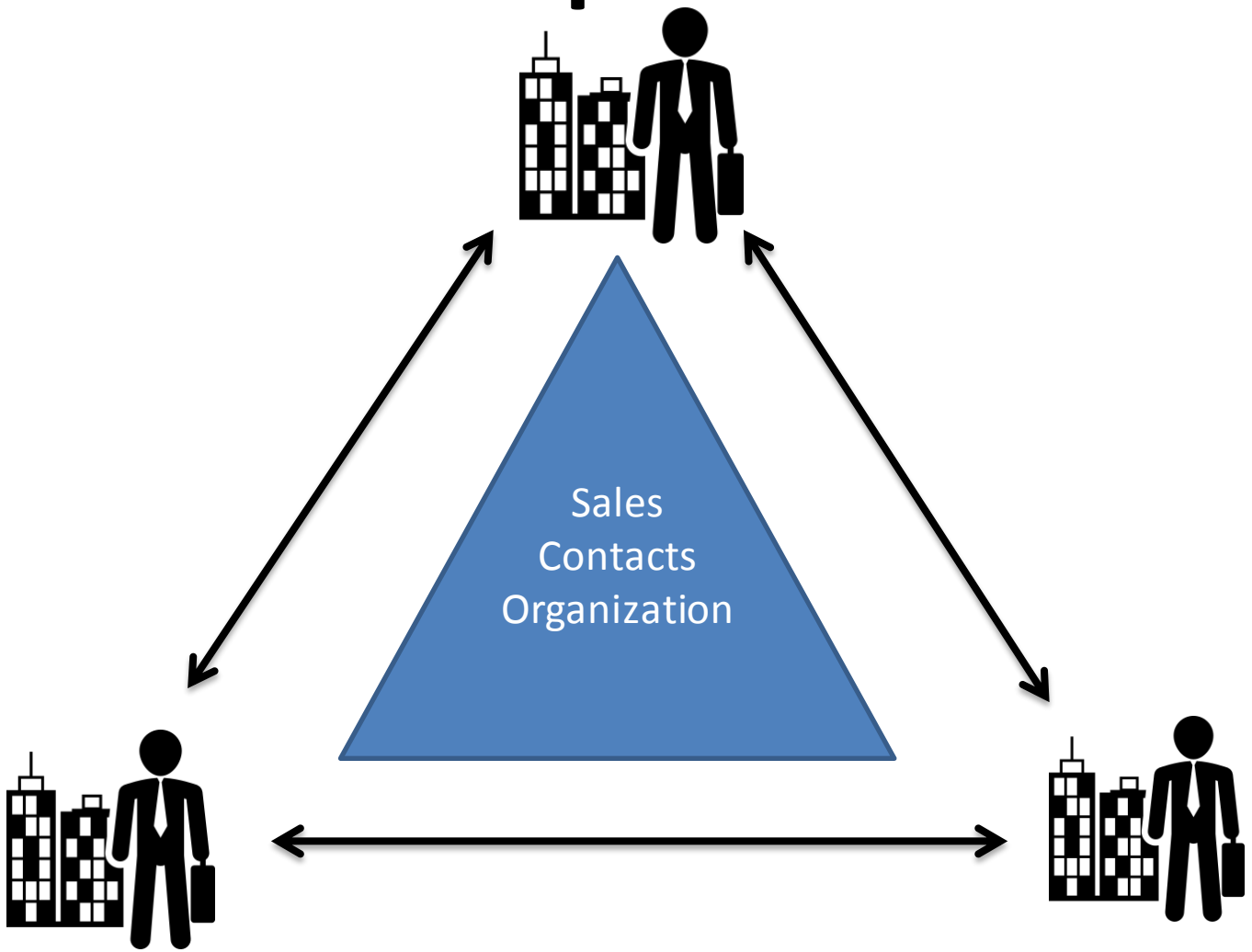
EIS
ENTERPRISE
INFORMATION SYSTEMS

universitätbonn

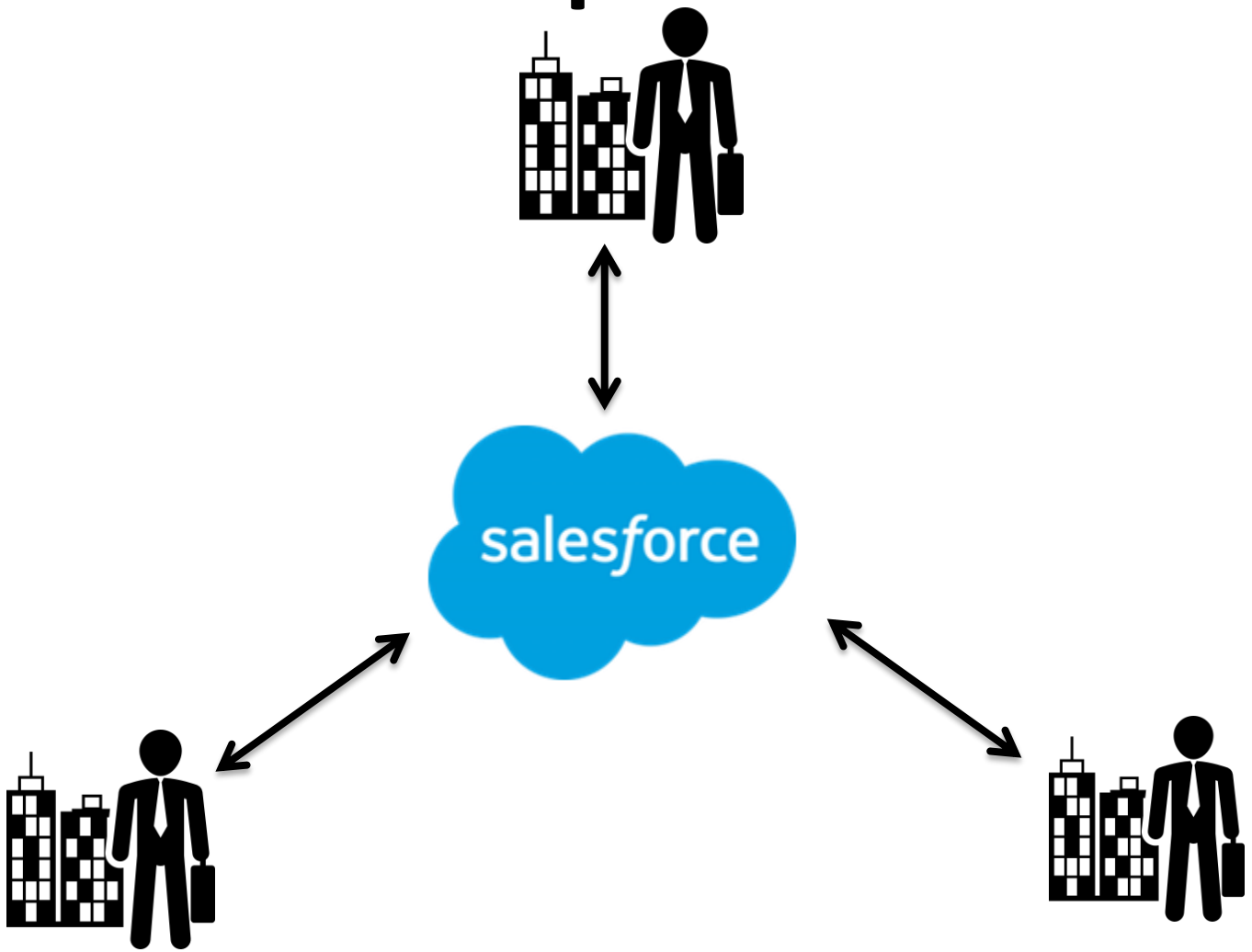
Semantic RDF-to-Salesforce extension

Requirements

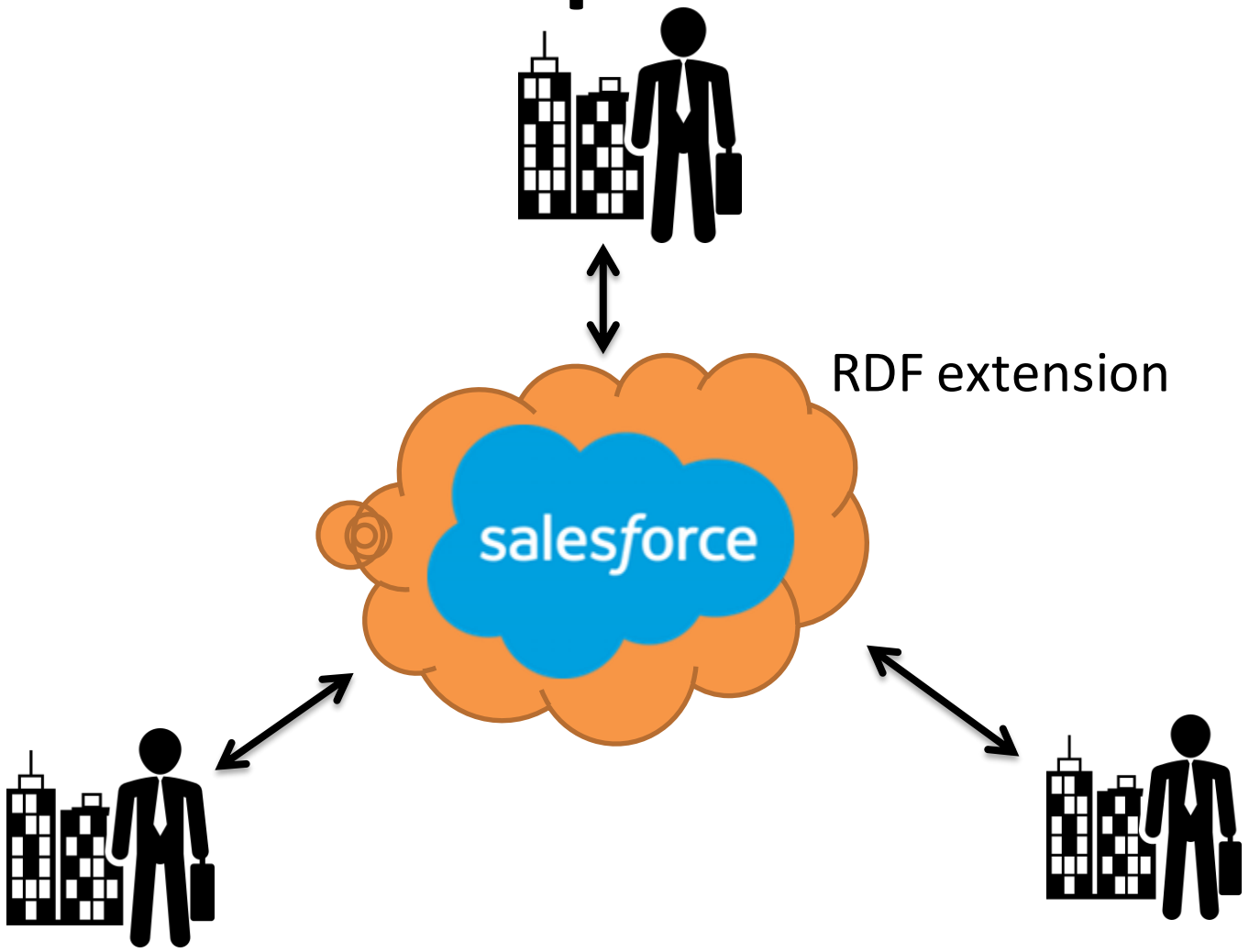
Perspective



Perspective



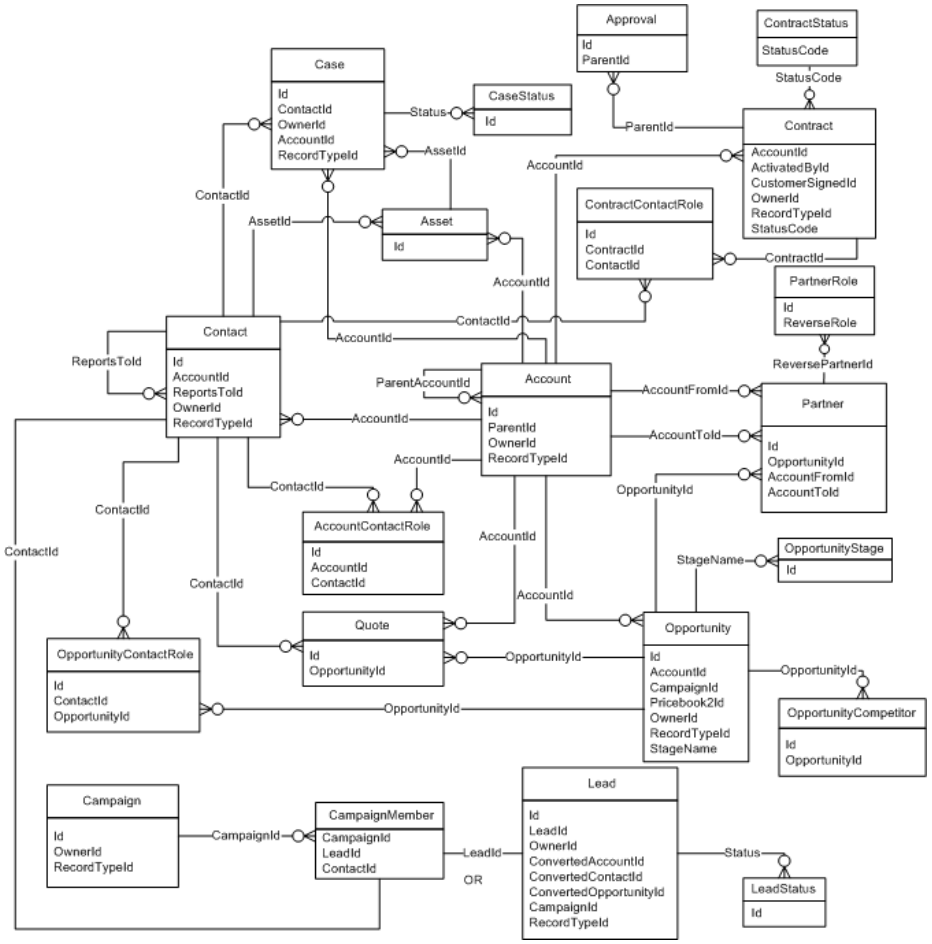
Perspective



Perspective

- Salesforce API is too big
  - 17 separated data models
  - 440 different objects
  - 68 calls
- Concentrate on core model: **Sales Objects**

Perspective



Data Model of Sales Objects in Salesforce API

Functional

- Export Sales Objects
- Import Sales Objects
- Transform Sales Objects to RDF
- Transform RDF to Sales Objects

Nonfunctional

- Performance
  - API limitations
  - Response time of requests < 5 sec
- Interoperability
  - provided as a web service
- Usability
  - similar to salesforce (terms and workflows)

Constraints

- Salesforce account
- Salesforce API constraints
- Salesforce data structure
- Library for processing RDF
- Java