JSON-LD – Key Features

- Add `@context` to JSON to associate terms (properties) with IRIs which define them.

    - Describe the expected types for string values of properties

        - IRI, Dates, Numbers, …

        - Treat collections as lists or sets.

- Encourage the use of well-known identifiers for entities, and provide typing (`@id` and `@type`).

- (much more, see <u>JSON-LD 1.0</u> for a complete feature set).

JSON-LD 1.1

- It's been over three years since JSON-LD 1.0 was published, and feature requests have been mounting:

  - 36 issues addressed since 1.0 (15 still open)

  - Use objects to index into collections, rather than only array form

    - Previously restricted to `@index` and `@language`. Now available on `@id` and `@type`.

    - Can include `@set` with other container types (e.g.: `"@container": ["@set", "@language"]`).

  - Framing, never complete in 1.0. Now provides ability to match on `@id`, inclusive or exclusive `@type`, property values, and specifics of a value object. Supports framing of datasets, not just graphs.

  - Contexts scoped to terms: property values or entities using a given type term can overlay terms-specific contexts.

  - Ignore some elements of JSON structure.

  - Abstract from JSON-itself, allowing for <u>YAML</u>, <u>CBOR</u> and other LD representations.