

Related Topics for using JSON-LD

Shape Expressions (ShEx)

- ShEx [7] is used for validating graph patterns, similar to, but less complex than SHACL.
- JSON grammar is JSON-LD/RDF. Also has Compact Grammar.

```
{ "type": "Schema", "shapes": [{
  "id": "http://schema.example/PersonShape",
  "type": "Shape", "expression": {
    "type": "TripleConstraint",
    "predicate": "http://xmlns.com/foaf/0.1/
name"
  }
}, {
  "id": "http://schema.example/EmployeeShape",
  "type": "Shape", "expression": {
    "type": "EachOf", "shapeExprs": [
      "http://schema.example/PersonShape",
      { "type": "TripleConstraint",
        "predicate": "http://schema.example/
employeeNumber" }
    ]
  }
}]
}
```

```
ex:PersonShape {
  foaf:name .
}
```

```
ex:EmployeeShape {
  &ex:PersonShape ;
  ex:employeeNumber .
}
```

[7] <https://shexspec.github.io/spec>