

# 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>