

ISO/IEC 20802-2:2016-12 (E)

Information technology - Open data protocol (OData) v4.0 - Part 2: OData JSON Format

Contents	Page
1 Introduction	6
1.1 Terminology	6
1.2 Normative References	6
1.3 Typographical Conventions	7
2 JSON Format Design	8
3 Requesting the JSON Format	9
3.1 Controlling the Amount of Control Information in Responses	9
3.1.1 odata.metadata=minimal	9
3.1.2 odata.metadata=full	10
3.1.3 odata.metadata=none	10
3.2 Controlling the Representation of Numbers	10
4 Common Characteristics	11
4.1 Header Content-Type	11
4.2 Message Body	11
4.3 Relative URLs	11
4.4 Payload Ordering Constraints	12
4.5 Control Information	12
4.5.1 Annotation odata.context	13
4.5.2 Annotation odata.metadataEtag	13
4.5.3 Annotation odata.type	13
4.5.4 Annotation odata.count	14
4.5.5 Annotation odata.nextLink	14
4.5.6 Annotation odata.deltaLink	14
4.5.7 Annotation odata.id	14
4.5.8 Annotation odata.editLink and odata.readLink	15
4.5.9 Annotation odata.etag	15
4.5.10 Annotation odata.navigationLink and odata.associationLink	16
4.5.11 Annotation odata.media*	16
5 Service Document	17
6 Entity	19
7 Structural Property	20
7.1 Primitive Value	20
7.2 Complex Value	21
7.3 Collection of Primitive Values	21
7.4 Collection of Complex Values	21
8 Navigation Property	23
8.1 Navigation Link	23
8.2 Association Link	23
8.3 Expanded Navigation Property	23
8.4 Deep Insert	24
8.5 Bind Operation	24
9 Stream Property	25

10	Media Entity	26
11	Individual Property or Operation Response	27
12	Collection of Entities	28
13	Entity Reference	29
14	Delta Response	30
14.1	Added/Changed Entity	31
14.2	Deleted Entity	31
14.3	Added Link	31
14.4	Deleted Link	32
15	Bound Function	33
16	Bound Action	34
17	Action Invocation	35
18	Instance Annotations	36
18.1	Annotate a JSON Object	36
18.2	Annotate a JSON Array or Primitive	36
19	Error Response	37
20	Extensibility	38
21	Security Considerations	39
22	Conformance	40
Appendix A.	Acknowledgments	41
Appendix B.	Revision History	42