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Partie 2: Format OData JSON

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Specification URIs

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http://docs.oasis-open.org/odata/odata-json-format/v4.0/errata02/os/odata-json-format-v4.0-errata02-os-complete.html
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- *OData JSON Format Version 4.0 Errata 02*. Edited by Ralf Handl, Michael Pizzo, and Martin Zurmuehl. 30 October 2014. OASIS Approved Errata. http://docs.oasis-open.org/odata/odata-json-format/v4.0/errata02/os/odata-json-format-v4.0-errata02-os.html.
- Change-marked (redlined) version. *OData JSON Format Version 4.0 Plus Errata 02 (redlined)*. Edited by Ralf Handl, Michael Pizzo, Martin Zurmuehl, and Mark Biamonte. 30 October 2014. OASIS Standard incorporating Approved Errata 02. http://docs.oasis-

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open.org/odata/odata-json-format/v4.0/errata02/os/odata-json-format-v4.0-errata02-os-redlined.html.

Related work:

This specification is related to:

- *OData Version 4.0.* OASIS Standard. Multi-part Work Product that includes:
  - *OData Version 4.0 Part 1: Protocol*. http://docs.oasis-open.org/odata/odata/v4.0/os/part1-protocol/odata-v4.0-os-part1-protocol.html.
  - *OData Version 4.0 Part 2: URL Conventions*. http://docs.oasis-open.org/odata/odata/v4.0/os/part2-url-conventions/odata-v4.0-os-part2-url-conventions.html.
  - *OData Version 4.0 Part 3: Common Schema Definition Language (CSDL)*. http://docs.oasis-open.org/odata/odata/v4.0/os/part3-csdl/odata-v4.0-os-part3-csdl.html.
  - ABNF components: http://docs.oasis-open.org/odata/odata/v4.0/os/abnf/
  - Vocabulary components: http://docs.oasis-open.org/odata/odata/v4.0/os/vocabularies/
  - XML schemas: http://docs.oasis-open.org/odata/odata/v4.0/os/schemas/
  - OData Metadata Service Entity Model: http://docs.oasis-open.org/odata/odata/v4.0/os/models/MetadataService.edmx.
- *OData Atom Format Version 4.0*. Edited by Martin Zurmuehl, Michael Pizzo, and Ralf Handl. Latest version: http://docs.oasis-open.org/odata/odata-atom-format/v4.0/odata-atom-format-v4.0.html.

Abstract:

The Open Data Protocol (OData) for representing and interacting with structured content is comprised of a set of specifications. The core specification for the protocol is in OData Version 4.0 Part 1: Protocol; this document extends the former by defining representations for OData requests and responses using a JSON format.

Status:

This document was last revised or approved by the OASIS Open Data Protocol (OData) TC on the above date. The level of approval is also listed above. Check the “Latest version” location noted above for possible later revisions of this document. Any other numbered Versions and other technical work produced by the Technical Committee (TC) are listed at https://www.oasis-open.org/committees/tc_home.php?wg_abbrev=odata#technical.

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1 Introduction

The OData protocol is comprised of a set of specifications for representing and interacting with structured content. The core specification for the protocol is in **[OData-Protocol]**; this document is an extension of the core protocol. This document defines representations for the OData requests and responses using the JavaScript Object Notation (JSON), see **[RFC7159]**.

An OData JSON payload may represent:

- a single primitive value
- a collection of primitive values
- a single complex type value
- a collection of complex type values
- a single entity or entity reference
- a collection of entities or entity references
- a collection of changes
- a service document describing the top-level resources exposed by the service
- an error.

1.1 Terminology

The key words “MUST”, “MUST NOT”, “REQUIRED”, “SHALL”, “SHALL NOT”, “SHOULD”, “SHOULD NOT”, “RECOMMENDED”, “MAY”, and “OPTIONAL” in this document are to be interpreted as described in **[RFC2119]**.

1.2 Normative References

[GeoJSON] Howard Butler, Martin Daly, Alan Doyle, Sean Gillies, Tim Schaub and Stefan Drees, "The GeoJSON Format" draft-butler-geojson-02, 15 March 2014. http://tools.ietf.org/html/draft-butler-geojson-02.

[I-JSON] Bray, T., Ed., "The I-JSON Message Format" draft-bray-i-json-01, 06 January 2014. http://tools.ietf.org/html/draft-bray-i-json-01

[OData-ABNF] *OData ABNF Construction Rules Version 4.0*.
See link in “Related work” section on cover page.

[OData-CSDL] OData Version 4.0 Part 3: Common Schema Definition Language (CSDL).
See link in “Related work” section on cover page.

[OData-Protocol] *OData Version 4.0 Part 1: Protocol*.
See link in “Related work” section on cover page.

[OData-URL] *OData Version 4.0 Part 2: URL Conventions*.
See link in "Related work" section on cover page.

[OData-VocCap] *OData Capabilities Vocabulary.*
See link in "Related work" section on cover page.

[RFC2119] Bradner, S., “Key words for use in RFCs to Indicate Requirement Levels”, BCP 14, RFC 2119, March 1997. http://www.ietf.org/rfc/rfc2119.txt.

[RFC3986] Berners-Lee, T., Fielding, R., and L. Masinter, “Uniform Resource Identifier (URI): Generic Syntax”, IETF RFC3986, January 2005. http://www.ietf.org/rfc/rfc3986.txt.

[RFC3987] Duerst, M. and, M. Suignard, “Internationalized Resource Identifiers (IRIs)”, RFC 3987, January 2005. http://www.ietf.org/rfc/rfc3987.txt.

[RFC7159] Bray, T., Ed., “The JavaScript Object Notation (JSON) Data Interchange Format”, RFC 7159, March 2014. http://tools.ietf.org/html/rfc7159.

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[RFC5646] Phillips, A., Ed., and M. Davis, Ed., “Tags for Identifying Languages”, BCP 47, RFC 5646, September 2009. http://tools.ietf.org/html/rfc5646.

[ECMAScript] *ECMAScript Language Specification Edition 5,1*. June 2011. Standard ECMA-262. http://www.ecma-international.org/publications/standards/Ecma-262.htm.

1.3 Typographical Conventions

Keywords defined by this specification use this `monospaced` font.

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Example 1: text describing an example uses this paragraph style

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