

2.3.4.3.3 External Data

[return to Data Taxonomy](#)

External data is data that is neither [ledger data](#) nor [ancillary data](#) but is required within the [blockchain](#) or [smart contracts](#). External data is accessed using an [oracle](#). There are numerous formats for external data sources: data files, databases, [rich site summary \(RSS\)](#) feeds, RESTful interfaces, etc.

Standards

Technical Standards

- [OMG: Data Distribution Service \(DDS\)](#)
- [RFC8259 - The JavaScript Object Notation \(JSON\) Data Interchange Format](#)
- [W3C: HTML5 \(HTML5\)](#)
- [Linux Foundation: Open Messaging](#)
- [Linux Foundation: Open Middleware Agnostic Messaging API \(OpenMAMA\)](#)

de facto Standards

- None at this time

Tools

- None at this time

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Last update: **2022/02/03 13:33**

