

# OMG: DDS For Extremely Resource Constrained Environments (DDS-XRCE)

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Table 1: Data sheet for DDS For Extremely Resource Constrained Environments (DDS-XRCE)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| Title               | DDS For Extremely Resource Constrained Environments                                               |
| Acronym             | DDS-XRCE                                                                                          |
| Version             | 1.0                                                                                               |
| OMG Document Number | formal/20-02-01                                                                                   |
| Release Date        | February 2020                                                                                     |
| About Specification | <a href="https://www.omg.org/spec/DDS-XRCE/">https://www.omg.org/spec/DDS-XRCE/</a>               |
| Document            | <a href="https://www.omg.org/spec/DDS-XRCE/1.0/PDF">https://www.omg.org/spec/DDS-XRCE/1.0/PDF</a> |

**Note:** The following is an excerpt from the actual document. It is provided here as a convenience and is not authoritative. Refer to the original document as the authoritative reference.

## Scope

*This specification defines a XRCE Protocol between a resource constrained, low-powered device (client) and an Agent (the server). The XRCE Protocol enables the device to communicate with a data\_distribution\_service\_dds network and publish and subscribe to topics in a DDS domain via an intermediate service (the XRCE Agent). The specification’s purpose and scope are to ensure that applications based on different vendors’ implementations of the XRCE Protocol and XRCE Agent are compatible and interoperable.*

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