

Data Reader

[Return to Glossary](#)

An [entity](#) attached to a [Subscriber](#), used to subscribe to a [Topic](#), providing type-safe operations to read/receive data. Each Data Reader can be associated to only one Topic and therefore exactly one data type. This Topic must be created before the Data Reader. A data reader can obtain its subscribed data via two approaches:

- [Listener](#)-based approach, provides an asynchronous mechanism to obtain data via call-backs in a separate thread that does not block the main application.
- WaitSet-based Approach – A synchronous approach, blocks the current thread until one or more conditions attached to the [WaitSet](#) are met, at which point a list of active_conditions are returned.

There are several ways samples can be read using a data reader, this includes reading with conditions and some buffer management, described in greater detail in your respective language reference guide.

Source: [OpenSplice Glossary](#)

From:
<https://omgwiki.org/ddsf/> - DDS Foundation Wiki

Permanent link:
https://omgwiki.org/ddsf/doku.php?id=ddsf:public:guidebook:06_append:glossary:d:data_reader&rev=1626292501

Last update: **2021/07/14 15:55**

