

Durability

[Return to Glossary](#)

Responsible for maintaining historical data between services and providing historical data to late joining applications. Specifies if Samples should outlive their [Data Writers](#) for late joiners. The longer a sample lives the greater the overhead passed to the [data_distribution_service_dds](#) becomes as it moves from dropping samples, to keeping them in shared memory, to writing them to hard disk. Provided variants include:

Volatile

No need to keep Samples for late joining [data_reader](#).

Transient Local

Data [instance](#) availability for late joining data reader is tied to the DataWriter availability.

Transient

Data sample availability outlives the data writer.

Persistent

Data sample availability outlives system restarts.

Source: [OpenSplice Glossary](#)

From:

<https://www.omgwiki.org/dds/> - **DDS Foundation Wiki**

Permanent link:

https://www.omgwiki.org/ddsf/doku.php?id=dds:public:guidebook:06_append:glossary:d:durability&rev=1601325647

Last update: **2020/09/28 16:40**

