Durability

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 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 readers.

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

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