

DESTINATION_ORDER QoS Parameter

[return to the Quality of Service \(QoS\) Parameters](#)

The DESTINATION_ORDER policy controls how each [subscriber](#) resolves the final value of a data [instance](#) that is written by multiple DataWriter objects (which may be associated with different [Publisher](#) objects) running on different nodes. The setting BY_RECEPTION_TIMESTAMP indicates that, assuming the [OWNERSHIP](#) policy allows it, the latest received value for the instance should be the one whose value is kept. This is the default value.

The setting BY_SOURCE_TIMESTAMP indicates that, assuming the OWNERSHIP policy allows it, a timestamp placed at the source should be used. This is the only setting that, in the case of concurrent same-[strength](#) DataWriter objects updating the same instance, ensures all subscribers will end up with the same final value for the instance. The mechanism to set the source timestamp is [middleware](#) dependent.

The value offered is considered compatible with the value requested if and only if the inequality `offered kind >= requested kind` evaluates to TRUE. For the purposes of this inequality, the values of DESTINATION_ORDER kind are considered ordered such that `BY_RECEPTION_TIMESTAMP < BY_SOURCE_TIMESTAMP`.

Source: [DDS 1.4 Spec](#)

From:

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

Permanent link:

https://www.omgwiki.org/ddsf/doku.php?id=ddsf:public:guidebook:06_append:02_quality_of_service:destination_order&rev=1626291029

Last update: 2021/07/14 15:30

