

DESTINATION_ORDER QoS Parameter

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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](#)

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Permanent link:
https://omgwiki.org/ddsf/doku.php?id=ddsf:public:guidebook:06_append:02_quality_of_service:destination_order&rev=1601411298

Last update: **2020/09/29 16:28**

