

Twin Realization Identifier

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Discussion

A Twin Realization Identifier distinguishes one [Twin Realization](#) from other Twin Realizations associated with the same or different [Twin Identities](#).

A Twin Realization Identifier identifies a particular realization rather than the logical twin represented by that realization.

The [Twin Identifier](#) identifies the Twin Identity. The Twin Realization Identifier identifies an individual realization associated with that Twin Identity.

The Twin Realization Identifier remains independent of implementation-specific identifiers such as container identifiers, process identifiers, host names, network addresses, DDS entity identifiers, or other resource identifiers.

Definition

an identifier assigned to an individual [Twin Realization](#)

Source

- [\[DTE1\] U.S. Patent Application US20220237111A1](#), virtual and physical Twin Node concepts
- [\[DTE2\] Non-Traditional BAA Submission, F17, Twin Nodes Selection](#)
- DIDO-TE normalization of the Twin Identity and Twin Realization concepts

Note

A Twin Realization Identifier identifies one realization and does not replace the [Twin Identifier](#) associated with the logical twin.

Multiple Twin Realizations associated with the same Twin Identity have distinct Twin Realization Identifiers while referencing the same Twin Identifier.

A change to an implementation-specific resource identifier does not, by itself, require a change to the Twin Realization Identifier.

Example

A Twin Identity with Twin Identifier T-4711 has two Twin Realizations:

- Virtual realization TR-101
- Real-world realization TR-102

Both realizations reference T-4711, while TR-101 and TR-102 distinguish the individual realizations.

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Last update: **2026/08/20 11:21**

