

Performance Measurement

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Discussion

A Performance Measurement is the process used to obtain a value for a [Performance Measure](#). It occurs under identified conditions and an identified [Workload](#) so that its result can be interpreted and reproduced.

The process may use direct observation, counting, instrumentation, calculation, or a model consistent with the applicable measurement method.

Definition

process of obtaining a value for a performance measure

Source

- DIDO Solutions derived definition
- [JCGM 200:2012, International vocabulary of metrology, 2.1 Measurement](#), process of obtaining quantity values attributable to a quantity
- [ISO/IEC 14756:1999, Information technology — Measurement and rating of performance of computer-based software systems](#), measurement and rating of system performance

Note

- Performance Measurement denotes the process, not the value produced by the process
- The value and relevant interpretive information constitute a [Performance Measurement Result](#)
- Measurement conditions may include Configuration, resource allocation, Node state, communication conditions, environmental conditions, external dependencies, and time basis

Example

Observing elapsed time for each request in a specified [Workload](#) is a Performance Measurement of [Latency](#).

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