

Massively Parallel Processing (MPP)

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Massively Parallel Processing (MPP) is the coordinated processing of a program by multiple processors that work on different parts of the program, with each processor using its own [operating system](#) and memory. Typically, MPP processors communicate using some messaging [interface](#). In some implementations, up to 200 or more processors can work on the same [application](#). An “interconnect” arrangement of data paths allows messages to be sent between processors. Typically, the setup for MPP is more complicated, requiring thought about how to partition a common database among processors and how to assign work among the processors. An MPP system is also known as a “loosely coupled” or “shared nothing” system.

An MPP system is considered better than a symmetrically parallel system (SMP) for applications that allow a number of databases to be searched in parallel. These include decision support system and data warehouse applications.¹⁾

Source: <https://whatis.techtarget.com/definition/MPP-massively-parallel-processing>

¹⁾

Rouse, Margret; [Definition of massively parallel processing](#), WhatIs.com, Accessed 8 December 2020, <https://whatis.techtarget.com/definition/MPP-massively-parallel-processing>

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