

## **DMR API: Dynamic Management of Resources API**

DMR API assists users to adopt malleability in their applications using OmpSs-like syntax. In this regard, with OmpSs pragmas data dependencies are defined and applications can turn malleable. DMR API is based on the Message Passing Interface (MPI) programming model, the standard de facto for developing HPC distributed applications. DMR adjusts the process number of the jobs depending on the cluster status in terms of resource availability and quantity of pending jobs.

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

---

**Source URL (retrieved on 15 Mar 2025 - 05:56):** <https://www.bsc.es/es/research-and-development/software-and-apps/software-list/dmr-api-dynamic-management-resources-api>