Interactive nodes

With the login nodes (Login with noMachine (!M), engineers can work directly on the cluster, eliminating the need to transfer data between the cluster and a local machine, which not only saves time but is also practical for large datasets. This streamlined process also utilizes powerful 3D rendering capabilities (the process of generating two-dimensional images or animations from three-dimensional models or scenes). In this way, login nodes configured as rack workstations enable the setup, submission, and post-processing of cases directly on the cluster. While the job is running, engineers can monitor convergence and stability of some cases and make parameter adjustments if necessary.

Short description

Similar to the connection to the login nodes, here, you are connected with the interactive nodes. The difference compared to the regular VSC login is that through NoMachine (!M), you gain access to a virtual Linux desktop, allowing you to open the graphical user interface (GUI) of any software installed on the VSC. If you log in to VSC4 via NoMachine (!M), you allocate 256 GB of RAM and 16 processes, whereas on VSC5, you receive 256 GB of RAM and 32 processes.

Examples

ANSYS Mechanical

COMSOL