



Lenovo server Configurations for Ansys Workloads

CFD/Explicit FEA Architecture Building Blocks

	Intel Performance #1	Intel Performance #2	Intel Price-Perf #1	Intel Price-Perf #2
ThinkSystem Server (Form Factor)	SD530 (2U4N)	SR630 (1U)	SD530 (2U4N)	SR630 (1U)
Processors	2x Intel 6248R CPUs (24c, 3.0GHz)		2x Intel 6226R CPUs (16c, 2.9GHz)	
Memory	192GB Total RAM 12x 16GB TruDDR4 2933Hz (2Rx8 1.2v) RDIMMs			

Implicit FEA Architecture Building Blocks

	Intel Performance	Intel Price-Perf
ThinkSystem Server (Form Factor)	SR630 (1U)	SR630 (1U)
Processors	2x Intel 6246R CPUs (16c, 3.4GHz)	2x Intel 6226R CPUs (16c, 2.9GHz)
Memory	768GB Total RAM 24x 32GB TruDDR4 2933MHz (2Rx4 1.2v) RDIMMs	768GB Total RAM 24x 32GB TruDDR4 2933MHz (2Rx4 1.2v) RDIMMs
Internal Storage	2.5" Intel S4610 1.92TB SATA SSD	
Upgraded Internal Storage Option	2.5" U.2 Intel P4610 1.6TB NVMe PCIe 3.0	

Other Building Blocks

	GPU Node	Pre/Post-Processing Node	Head/Login Node
ThinkSystem Server (Form Factor)	SR650 (2U)	SR630 (1U)	SR630 (1U)
Processors	2x Intel 6226R CPUs (16c, 2.9GHz)		
Memory	192GB Total RAM 12x 16GB TruDDR4 2933Hz (2Rx8 1.2v) RDIMMs	768GB Total RAM 24x 32GB TruDDR4 2933MHz (2Rx4 1.2v) RDIMMs	192GB Total RAM 12x 16GB TruDDR4 2933Hz (2Rx8 1.2v) RDIMMs
GPU	2x NVIDIA Tesla V100 32GB GPUs	1x NVIDIA Quadro P2000 GPU Upgrade: 1x NVIDIA Quadro RTX 4000 8GB GPU	N/A
Internal Storage	N/A	2.5" Intel S4610 1.92TB SATA SSD	N/A