

Midrange computing cluster architectures for data analysis in High Energy Physics

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High Energy Physics analysis is often performed on midrange computing clusters (10-50 machines) in relatively small physics groups (3-10 physicists). Such clusters are usually built from commodity equipment and are running under one of several Linux flavors. In an environment of limited resources, it is important to choose “right” cluster architecture to achieve maximum performance. We will describe several cluster architectures, show possible drawbacks and how to avoid them.

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