

# Cluster Tools

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While many of us have been using clusters for quite a few years, how many have had the time and opportunity to review the existing, evolving, and constantly emerging tools aimed at simplifying cluster use and administration tasks? This tutorial is designed to do that for you by condensing that material into the form of a review of the various tools that we at ORNL have found to be useful in dealing with our HPC clusters. In addition to tools used at ORNL, coverage will include material resulting from our internal review of a variety of cluster-oriented tools. The scope of material will include the entire range from the initial cluster build through use and maintenance operations. The target audience includes (1) those just starting out and looking for information on choices for cluster tools, (2) those already using clusters who are looking for better ways to do things, and (3) those looking for a briefing on what tools are available—perhaps before beginning their own tool-building effort.