SCALASCA WORKFLOW

SCALASCA PERFORMANCE TOOL

• Automatically detects inefficient program behavior and highlights opportunities for performance improvement
• Classifies, ranks, and localizes performance problems in a hierarchical fashion
• Initial performance assessment based on runtime summaries
• Detailed wait-state analysis based on event traces
• Improved scalability through a replay-based parallel trace analysis algorithm
• Demonstrated its applicability on IBM Blue Gene/L and Cray XT 3/4 with up to 20,000 processes
• SCALASCA is a collaborative research project between Forschungszentrum Jülich and the University of Tennessee

RESULT PRESENTATION

EXAMPLE PATTERN

Late Sender/ Messages in Wrong Order

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http://www.scalasca.org/