

TOOLS FOR SCALABLE PARALLEL PROGRAM ANALYSIS - VAMPIR NG AND DEWIZ

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Abstract Large scale high-performance computing systems pose a tough obstacle for todays program analysis tools. Their demands in computational performance and memory capacity for processing program analysis data exceed the capabilities of standard workstations and traditional analysis tools. The sophisticated approaches of Vampir NG (VNG) and the Debugging Wizard DeWiz intend to provide novel ideas for scalable parallel program analysis. While VNG exploits the power of cluster architectures for near real-time performance analysis, DeWiz utilizes distributed computing infrastructures for distinct analysis activities. A comparison of these two complimentary approaches delivers some promising ideas for future solutions in the area of parallel and distributed program analysis.