



IBM Deep Computing Visualization version 1.4

With the announcement of IBM Deep Computing Visualization Version 1.4, IBM offers improved capabilities and resource handling for both Remote Visual Networking (RVN) and Scalable Visual Networking (SVN)

Improved Interactive Performance, Simplified Administration

Deep Computing Visualization solutions based on both the Linux and Windows operating systems already perform business-critical visualization and collaboration tasks for many organizations around the world.

With DCV 1.4, IBM has introduced completely new method of enabling DCV functionality for applications on Linux based machines. This new method hooks in at the OS layer and is enabled and disabled via simple shell-based commands. Once a desktop has been enabled for SVN or RVN (or both), applications can be started as normal and will automatically have the corresponding DCV functionality available. This significant step forward enhances application compatibility and ease of use.

In addition, DCV 1.4 includes a pluggable transport layer for SVN, enabling support for different network technologies and improved interactive performance. In addition to flavors of MPI (Message Passing Interface) transport, DCV 1.4 also offers an SDP (Sockets Direct Protocol) socket transport for InfiniBand® and other network architectures. The new solution removes extra MPI overhead, improves the user experience, and simplifies system administrator tasks (including licensing).

Scalable Visual Networking for Windows

Deep Computing Visualization for Linux supports both RVN and SVN. Last year, IBM introduced a 32-bit version of RVN for Windows XP environments. With DCV 1.4, IBM now provides native RVN for Windows XP 64-bit editions as well as SVN for both Windows XP 32-bit and 64-bit editions, the latter allowing Windows-based applications to be seen on extremely high-resolution cinematic or immersive displays.

Usability enhancements

DCV helps the globally integrated enterprise increase their collaborative capabilities at a desirable level of price to performance. With SVN, face-to-face users can immerse themselves in their data to obtain insight and decision support, while RVN enables team members to participate in the same sessions at remote locations. Additional savings and security are achieved through the consolidation of technical workflows/workloads into shareable resources for centralized, controlled access to applications and data.

DCV runs your existing applications unmodified to deliver both SVN and RVN capabilities. Visualizing scientific data can be as simple as pointing and clicking. Version 1.4 offers a single dashboard that can support multiple applications, has a platform native look and feel, and is keyboard accessible.

For more information: ibm.com/servers/deepcomputing/visualization/