



MAY 4, 2009

## Today's NMCI Projects Enhance Navy's IT Capabilities for Tomorrow

There's no time like the present to deliver on the future.

A few weeks ago, our NMCI team introduced a new "NGEN Now" profiles program to highlight the incredible work each of you is doing on NMCI every day. While the Department of the Navy prepares for their next phase of Naval networking through the NGEN program, the enhancements we are making to NMCI today deliver much of what the Navy is looking to achieve in the coming years. We are delivering the added interoperability, mobility, performance and security our clients' missions require, as well as the flexibility and functionality that is NMCI.

Delivering NGEN requirements "Now" is the next level of our demonstrated commitment to the needs of our Sailors and Marines and all those who support them.

Directly contributing to this effort is Jeff Smith. Jeff's efforts around virtualization have led to significant cost savings on NMCI as well as immense environmental benefits.

Jeff, thank you for a job well done - you make the team proud.

**Kevin Durkin**  
Vice President of Navy Programs





## JEFF SMITH IS NGEN NOW

Server Manager  
EDS, Norfolk

Mention the word virtualization and Jeff Smith, a six-year veteran of EDS, lights up. Having supported NMCI in a variety of capacities, Smith knows first-hand the benefits that reducing the physical equipment and space required to keep NMCI operating will have for both the military and individual end-users.

The move to a virtualized environment for NMCI is one of the largest priorities for Smith's team. And one that he says excites the team with the possibilities it presents.

The undertaking is arguably unmatched in scale. With a network second in size only to the Internet, NMCI is the case study in virtualization that many in the industry are watching. Smith continues to hear from former colleagues who have left over the years to work for some of the major technology brands, but are continuing to watch the progress of NMCI for key lessons.

Smith jokes that what he learns on the NMCI account in one year is equivalent to seven years anywhere else. But Smith and his team are up for the challenge. Thus far, the program has consolidated 2,000 servers down to 300. When complete, it will achieve a 9:1 consolidation of servers supporting the network, which will lead to a 65% drop in overall energy consumption and a cost savings of nearly \$1.6 million a year. Virtualization in NMCI has already taken the equivalent of 2,550 cars off the road and prevented 6,800 tons of carbon emissions.

Just as strong as the environmental benefits is the flexibility that a virtualized environment presents in maintaining day-to-day continuity. By bringing more stability and higher availability to the applications which with end users are most concerned, virtualization will enhance how well the platform operates.

"Our typical NMCI user is most concerned with being able to log on, fire up email and surf the web as soon as they sit down at a computer station," Smith said. "Virtualization allows us to manage demand quickly on any server and route an overload of traffic to another server. The user never even knows a change has been made, and we keep the network operating smoothly."

Smith says one of the reasons he has stayed on the NMCI account for so long is the incredible scale and challenge the work continues to present. "I like being a part of the success of NMCI," Smith said. "It is incredible to work on a project of this scale. To have been there from the first scale servers to the virtualization transition we're undertaking now, you just sit back and say 'wow--we formed this!'"

Smith and his wife Michelle live in Newport News, Va. with their daughters Lindsey, Alexis and Sydney. A fully dedicated convert to virtualization, he recently transitioned his family's home network. And with a house of teen and pre-teen daughters, Smith is experienced with some of the most demanding end users out there. He coaches his daughters' soccer team and hunts in his spare time.

