



ezHPC

Technology

ezHPC is a tool that allows users affiliated with the [Department of Defense High Performance Computing Modernization Program \(HPCMP\)](#) easy access to high performance computing (HPC) resources at all HPCMP [Major Shared Resource Centers \(MSRC\)](#). To access the high performance computers, ezHPC uses a graphical user interface (GUI) accessible from any standard Web browser. The client performs all its interactions with the HPC systems via a secure application programming interface called the User Interface Toolkit (UIT).

Problem

This technology enables users to access HPC resources from a computer anywhere using an easy-to-navigate GUI. ezHPC eliminates having to use a command-line interface, reducing the learning curve for novice and intermediate users.

Expected Cost To Implement

The user needs only Internet access and a standard Web browser. The software is available as a free download.

Benefits/Savings

ezHPC is easy to learn and offers fast and secure access to the resources of the HPCMP from anywhere using a standard Web browser. Once the users are authenticated against the HPC Kerberos system, they can perform job entry, file management, script generation, and data storage.

According to Jennifer Tate, Research General Engineer with the ERDC Coastal and Hydraulics Laboratory (CHL), “I like being able to easily access the machines from home to check on jobs or make a submittal...that is a definite enhancement to my work since I don’t have to make a trip to work at night or on the weekend just to keep things running. To me this is the biggest plus.”

Keith Martin, a Research Physicist also with CHL, appreciates the file management feature: “The file management tool is my favorite feature. It really cuts down on those msfgets and msfputs. It’s nice to get what I need done in just a few clicks. It’s really a step forward.”

Status

Version 2.0 was released in January 2008.

ERDC POC(s)

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Distribution Sources

Available at <https://ezhpc.hpc.mil/>

Available Documentation

Go to <https://ezhpc.hpc.mil/> and click on **help**.

Available Training

The schedule for training is posted at <https://ezhpc.hpc.mil/>.

Available Support

Please contact solutionHPC_support@erdc.hpc.mil.

