

Gain Greater Value from Your IT Investments with MVConceptUSA and Dell EMC

VALUE PROPOSITION

With the expertise, services and solutions from MVConceptUSA and Dell EMC, your organization can:

- **Improve performance for business-critical applications**
- **Validate your technology strategy**
- **Gain an ideal hardware foundation for your software applications**
- **Test and optimize solutions in a lab environment**
- **Deploy new technologies with confidence**
- **Avoid the costs of overprovisioning hardware as well as software licenses**

PARTNER OVERVIEW

MVConceptUSA is a technology consulting company that provides state-of-the-art optimizations for computer software and hardware solutions.

The company was founded in 2007, concentrating on computer-aided design (CAD) and product lifecycle management (PLM) optimizations. Through this endeavor, it became clear that hardware insufficiencies and reciprocal downtime were overshadowing performance. In 2010, by branching out into new areas of software optimizations, MVConceptUSA dedicated its resources to providing optimizations for every specific need.

Today, MVConceptUSA is known for its unparalleled expertise and turnkey solutions that help organizations gain greater return from their technology investments.

SOLUTION OVERVIEW

MVConceptUSA has two laboratories: one for R&D for hardware manufacturers (such as Intel®, AMD® and NVIDIA®) and software developers using real customer datasets, and one for evaluating developed products with customer datasets. Drawing on the resources of these in-house labs, MVConceptUSA replicates and optimizes specific environments, including new technologies, to allow for a seamless integration when implementing solutions onsite.

With a focus on boosting productivity, MVConceptUSA provides a wide range of technologically advanced and customized services. Specific offerings include:

- **Remote connection and virtualization:** enable work in sync on multi-site projects with concurrent engineering
- **Hardware evaluation and optimization:** help to define the right architecture for the customer's software stack
- **Software behavior studies:** help to define how the software interacts with the hardware
- **Audits:** create baselines for the customer and quantify areas for improvement
- **Performance improvements:** realize the deployment of new performance gains based on audits
- **Optimized solutions:** deliver the combination of everything describe above

(hardware plus software)

In this work, MVConceptUSA works closely with Dell EMC to evaluate technical strategies and to optimize servers, storage and networking configurations to deliver the highest performance for the customer's software applications.

Together, MVConceptUSA and Dell EMC work to select the best technologies and products for the specific application and to ensure that systems are sized correctly in terms of CPU, memory, I/O bandwidth and more. In this process, engineers evaluate the interaction of hardware and software, test hardware-software configurations and identify potential hardware savings.

For a comprehensive solution, MVConceptUSA and Dell EMC can assist organizations with knowledge transfer, staff training, deployment services and ongoing technical support.

CUSTOMER REFERENCE

One of Germany's largest automotive manufacturers approached MVConceptUSA for help with a particularly time-consuming engineering workload that ran on a daily basis. As an [Intel case study](#) explains, the manufacturer was running ANSYS simulation software on systems, and the simulations required hours to complete.

MVConceptUSA helped this customer achieve a 20x increase in workload performance. With processor and software optimizations, combined with upgrades to the Intel® SSD 750 Series, MVConceptUSA slashed workload completion time to just 12½ minutes, down from 4 hours and 10 minutes. That result far exceeded the customer's expectations.

CONTACT US

To learn more about how MVConceptUSA and Dell EMC can help you gain greater performance and value from your IT systems, contact MVConceptUSA or your Dell EMC representative, or visit mvconceptusa.com.