Zebra Medical Vision

SoftLayer cloud technology powers a first-of-its-kind global medical imaging platform

Overview

The need
To launch a global medical imaging database supporting faster, more accurate diagnostics, Zebra Medical Vision needed powerful cloud hosting infrastructure.

The solution
The company provisioned a SoftLayer® hybrid cloud environment with bare metal servers, virtual servers and object storage hosted in the SoftLayer Toronto and Amsterdam data centers.

The benefit
High-performance SoftLayer technology provides the robust hosting platform Zebra Medical Vision requires to power its new solution and extend it to medical researchers worldwide.

Zebra Medical Vision formed in 2014 to help address the global medical community's acute need for accurate, automated diagnostic tools. Headquartered in Kibbutz Shefayim, Israel, the business offers one of the world's largest platforms for medical imaging diagnostics.

Envisioning a vast global imaging solution
With growing demand for medical imagery generating a proliferation of X-rays, computerized tomography (CT) scans and magnetic resonance imaging (MRI) images worldwide, Zebra Medical Vision identified an opportunity to improve medical research on a large scale. By building a global database of medical imaging files, the organization could provide researchers with a vast data set for creating diagnostic algorithms, ultimately allowing medical professionals to identify diseases earlier and more accurately.

To share the first-of-its-kind research platform with the global medical community, Zebra Medical Vision needed powerful hosting infrastructure. "We had to find a cloud provider capable of meeting the extreme demands of medical research," says cofounder Eyal Toledano.

The SoftLayer cloud platform offers the high-performance bare metal server capabilities and graphics processing unit (GPU) technology Zebra Medical Vision requires to power its innovative medical imaging platform. "We chose SoftLayer to provide the best service to health organizations globally," says Zebra Medical Vision cofounder Eyal Toledano.

Designing a high-powered SoftLayer platform

Evaluating Amazon Web Services (AWS), Google and SoftLayer cloud platforms, Zebra Medical Vision determined that SoftLayer infrastructure offered the powerful bare metal server capabilities and graphics processing unit (GPU) technology its workloads required. "SoftLayer's unmatched GPU power was a critical factor for us," says Toledano.

Signing on for the IBM Global Entrepreneur Program, Zebra Medical Vision teamed with IBM and SoftLayer resources to provision a hybrid cloud infrastructure with bare metal servers, virtual servers and object storage hosted in the SoftLayer Toronto and Amsterdam data centers.

Extending imaging diagnostics worldwide

High-performance SoftLayer technology provides the robust hosting platform Zebra Medical Vision requires to power its new solution and extend it to medical researchers worldwide. "We chose SoftLayer to provide the best service to health organizations globally," says Toledano. "We have an opportunity to do this right, so we're using the best possible cloud infrastructure."

Zebra Medical Vision greatly appreciates the support provided by IBM and SoftLayer resources in designing a cloud hosting environment to meet its performance needs and quickly launching its solution. "Working with IBM and SoftLayer was a great experience for me, one of the most positive IT service experiences I've had," says Toledano.

Solution components

Services
• SoftLayer®

For more information

To learn more about IBM Cloud computing solutions, please contact your IBM marketing representative or IBM Business Partner, or visit the following website:
ibm.com/cloud-computing

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