SUN MICROSYSTEMS FEDERAL EBOOK

CLOUD COMPUTING

Supercomputing Power and Flexibility, without the Costs and IT Infrastructure Headaches You're Used To.

SEE WHAT CLOUD COMPUTING CAN DO FOR YOU

CHAPTER 1: CLOUD COMPUTING

The widespread availability of high-speed Internet connections along with high-performance datacenter development is increasing both awareness and usage of Cloud Computing.

More than just Software-as-a-Service, Cloud Computing allows you to truly leverage the Internet to access massively scalable technology-enabled services, without the escalating costs and traditional IT infrastructure management headaches that can slow you down and interfere with your organization's overall progress.

Cloud Computing lets you:

- Tap into supercomputing power from large groups of networked servers via the Web.
- Pay for space and storage on an as-needed basis.
- Build and host applications in a secure environment.
- Stop relying on desktop PCs for networking and complex data processing and analysis.
- Increase network availability and security while reducing total cost of ownership.

Plus, a Service Oriented Architecture (SOA) interface allows the exposure of loosely coupled services, making accessing and integrating with the cloud a seamless operation as an extension of your applications and IT infrastructure.

CHAPTER 2: THE SILVER LINING

Sun Microsystems is on the forefront of Cloud Computing technology, and has all of the pieces to provide a virtual turnkey solution unlike any other technology vendor.

In fact, we have been offering Cloud Computing through our Network.com on demand environment since 2002 to thousands of customers. And our Open Source products are the foundation of many of the largest commercial clouds providing service over the Internet today.

We've developed the Open Source products, technology and best practices to spread processing power across vast computer banks and virtualized datacenters, so you can cut costs and deliver the high-performance computing power you need to manage shifting demands and meet mission-critical objectives.

We all know that every cloud has a silver lining. With Cloud Computing infrastructure, platforms, software and networked data storage from Sun™, government agencies can easily:

- Share peak-load capacity across a large user-pool to optimize productivity and improve utilization of applications.
- Reduce or even eliminate technology infrastructure maintenance headaches.
- Scale to meet changing user demands and tackle new initiatives within minutes.
- Save money, time and resources with a pay-as-you-go approach to computing.

CHAPTER 3: DISA SUCCESS

In 2006, the Defense Information Systems Agency (DISA) released a number of contracts for capacity computing. Sun was awarded the contract to provide Solaris-based capacity on a managed basis for DISA and its DoD customers. In this initial step towards cloud computing, DISA has already seen tangible benefits through lowered costs, faster procurement times and improved system utilization through virtualization of resources. They have also been able to reduce floor space, power, cooling and management costs by outsourcing capabilities to Sun.

In the next phase of the project, DISA plans to deploy a "Rapid Automated Computing Environment" which will provide DoD customers with self service OS provisioning, credit card billing, pay-per-use rates and faster deployment times for test and development environments. DISA sees these efforts as their way to better support the warfighter with low-cost, rapid response decision making capabilities.

CHAPTER 4: A SMOOTH TRANSITION

The transition to Cloud Computing should be a smooth one. You do not need to replace your current infrastructure or legacy systems, or disrupt your agency's workflow.

Sun Microsystems Federal is here to help you optimize existing applications, data and services via an incremental process that not only improves the speed, power and productivity of your entire workforce, but also saves you money as you transition to Cloud Computing.

And, of course, our seasoned team of experts will be on hand to support you throughout the entire process.

CHAPTER 5: WHY SUN MICROSYSTEMS FEDERAL?

Sun Microsystems Federal Inc. (a wholly-owned subsidiary of Sun Microsystems, Inc.) identifies, captures and manages strategic opportunities, including securing government contracts that bring Sun's solutions to the U.S. Federal government.

Sun Microsystems Federal has the experience, insight and technical expertise you need to succeed. We can provide a Cloud IT service for you immediately through access to Network.com, so you don't have to wait to give Cloud Computing a try, Network.com is available 24x7 to meet many of your demanding IT service needs today.

If you are interested in utilizing Network.com with special government rates and services, please contact your Sun Federal sales representative today.

We also understand that many customers and system integrators would rather deploy and operate their own Cloud services for their customers. You can still leverage SunFed's extensive Cloud Computing experience operating our Cloud, along with the work we have done setting up large Commercial Clouds, to deploy an end-to-end cloud solution within your environment.

Contact us today to learn how your agency can leverage Cloud Computing to address today's objectives and overcome tomorrow's challenges.

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