IT@Intel Executive Insights

Intel Information Technology
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Intel IT's Cloud Computing Strategy

Cloud computing is changing the way we inside Intel IT manage our Data Centers

Like many of our enterprise IT peers, Cloud Computing is a key area of innovation for Intel and one of Intel IT's top 3 objectives this year. Cloud Computing is changing the way we inside Intel IT look at our architecture: from the client technology our employees will use to access business services and data to the data center infrastructure necessary to support those services. We are adopting cloud computing as part of our data center strategy to provide cost-effective, highly agile back-end services that boost both employee and business productivity.

These resources provide insight into the work that Intel IT is doing in this area. We've broken it into four areas for consideration.

Cloud Strategy, Architecture, and Roadmap Implementing our cloud strategy was a big challenge, not the least of which was standardizing terminology. Learn how we began our Office and Enterprise cloud journey in 2009 and overcame various challenges along the way.	**Virtualization as the Foundation for Cloud** In 2010, Intel IT more than tripled our rate of virtualization in our Office and Enterprise environment from 12% to 42% and is on track to achieve our goal of 75%
Using Cloud to Drive Agility Learn how Intel IT reduced the time to provision new infrastructure services to 3 hours from 90 days by implementing an On Demand Self Service portal as part of our enterprise private cloud.	**Cloud Impact to the Client** Learn why Intel IT found that the mobile business PC (a secure, managed, high performance laptop) provides the best user experience across a range of application and flexible service delivery models.

IT Annual Performance Report

Discover the key Intel IT initiatives and strategies that delivered business value to Intel in 2010, as well as important IT focus areas for 2011. Key topics include IT consumerization, cloud computing, enterprise security, and delivering business value.

http://www.intel.com/en_US/Assets/PDF/general/Intel_IT_2011APR_English_standard.pdf

Cloud Strategy, Architecture, and Roadmap

Developing an Enterprise Cloud Computing Strategy

Intel IT developed a cloud strategy based on growing the cloud from the inside out. We implemented SaaS and IaaS usage models so that our internal environment delivers the benefits of cloud and positions us to use the public cloud selectively. Read the paper: "Developing an Enterprise Cloud Computing Strategy"

An Enterprise Private Cloud Architecture and Implementation Roadmap

Our enterprise private cloud is designed to deliver critical business benefits such as reduced provisioning times, higher resource utilization, high availability, and improved capacity management. Read the paper: "An Enterprise Private Cloud Architecture and Implementation Roadmap"

Accelerated Virtualization as the Foundation for the Cloud

Implementing Expanding Virtualized Environment

Intel IT is accelerating the deployment of virtualization which will serve as the foundation for our cloud infrastructure. Virtualization has delivered significant benefits including faster recovery, automated deployment, and cost savings. Read the paper: "Implementing and Expanding a Virtualized Environment"

Virtualizing Mission Critical Applications

To achieve our goal of virtualizing 75% of our Office and Enterprise environment, Intel IT will have to extend virtualization to mission critical applications which is very challenging due to rigorous performance and availability requirements. Learn how Intel IT is overcoming these challenges: Virtualizing Mission-Critical Applications

Using the Cloud to Drive Agility

Implementing On-Demand Services Inside the Intel IT Private Cloud

On-demand self-service is a critical attribute of our cloud environment. By instituting entitlement, quotas, transparent measured service, and data-driven business logic, Intel IT enabled a true consumer focused self-service portal. Read the paper: Implementing On-Demand Services Inside the Intel IT Private Cloud

Inside Intel IT: Cloud Computing

Intel's cloud computing initiative was driven by four key business benefits: agility, availability, efficiency, and security. Learn how Intel IT achieved these benefits by listening to the podcast: Cloud Computing Inside Intel IT

Cloud Impact to the Client

Cloud Computing: How Client Devices Affect the User Experience

Intel IT tested a variety of client devices to assess their performance in accessing a range of cloud-based applications and found that mobile business PCs provided the best user experience and enabled significant productivity gains. Read the paper: Cloud Computing: How the Client Devices affects the User Experience

Better Together: Rich Client PCs and Cloud Computing

Intel IT found that the ability to perform local computing on the client offers the best user experience and the flexibility to run different types of applications. Only rich clients support the full range of service delivery models. Read the paper: "Better Together: Rich Client PCs and Cloud Computing"

For more straight talk on current topics from Intel's IT leaders, visit www.intel.com/it.

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