Intel IT: Moving to a Client-Aware Cloud

We envision a private cloud that can determine device attributes and user preferences and deliver accordingly.

Intel IT is actively working to create a client-aware cloud environment where application delivery is based on the client device and the data being accessed. The client-aware cloud will take advantage of information such as device type, connectivity or processor type to make real time decisions about how best to present the information. These resources provide insight into the work that Intel IT is doing in this area.

We've broken it into four areas for consideration.

### Embracing Cloud Computing Intel IT has created an enterprise cloud environment that has increased business agility and efficiency. While our primary focus is on the development of a private cloud, we are also using some public cloud services.	### Creating a Secure Cloud Enterprise security needs to protect and enable Intel's business, plus support usage models like client-aware cloud. We embarked on a radical 5-year redesign of our enterprise security architecture to support this vision.
### The Client Endpoint Matters Intel IT found that client performance significantly affects user experience with cloud-based applications. We continue to select mobile business PCs to support the business needs of today, while also positioning us to securely support emerging IT usage models.	### A New Model of Client-Aware Computing Client-aware technologies can boost employee productivity and offer benefits to IT. We are investigating these technologies and plan to integrate them into our private cloud infrastructure.

Turn the page for more.

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

Embracing Cloud Computing

Developing the Cloud from the Inside Out

Intel IT developed a cloud strategy based first on growing cloud computing internally, and taking advantage of software as a service and infrastructure as a service to build a cloud-computing environment. Read Developing an Enterprise Cloud Computing Strategy to learn more about our strategy and the roadmap we are following.

Developing the Cloud for the Enterprise

Intel IT has defined a path for building and implementing a private cloud for the enterprise. Watch the video Intel IT Cloud Computing Roadmap and learn how the private cloud can increase efficiency and agility, and offer high availability without additional cost.

Creating a Secure Cloud

Protecting Data in the Cloud

With a variety of devices accessing data from the cloud, how can you ensure the model is secure? Listen to Malcolm Harkins, Intel's Chief Information Security Officer in this video and learn how Intel IT is planning to securely support this new model.

Dynamic Architecture Adjusts to Risks

Our enterprise security architecture is designed to meet a broad range of evolving requirements, including new usage models such as client-aware cloud. We realized that we needed a more flexible and dynamic architecture to enable faster adoption of new devices, use models and capabilities, plus provide security across an increasingly complex environment. Read how we are Rethinking Information Security to Improve Business Agility.

The Client Endpoint Matters

Why Mobile Business PCs are Better for Cloud Computing

The Intel IT environment contains a mixture of conventional and cloud computing services, delivered primarily to mobile business PCs. After testing other models, read why we feel they are Better Together: Rich Client PCs and Cloud Computing

A Study on How Client Devices Affect the User Experience in the Cloud

Intel IT compared user experience with different client devices. Read the results of How Client Devices Affect the User Experience.

A New Model of Client Computing

Moving Towards an Intelligent, Client-aware Cloud

We are exploring client-aware technologies that take advantage of end-point device capabilities. Delivering services with a one-size-fits-all approach will not result in an optimal end user experience. We envision a private cloud that can determine device attributes and user preferences and deliver content accordingly. Read how we are Applying Client-aware Technologies for Desktop Virtualization and Cloud Services.

The Future of Enterprise Computing

By taking advantage of a combination of technologies and trends, such as ubiquitous Internet connectivity, virtualization, and cloud computing - we have an opportunity to meet changing employee requirements and refine the way we provide services. Read how we are Planning for the Future of Enterprise Computing with the Compute Continuum

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