The Essential Intelligent Client

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Forces Shaping Business Computing

- Federation
- Virtualization
- Anytime/Anywhere Access/Sync
- Security, Compliance/Management
- Sustainability / Green IT
- Automation
- Cloud Computing
- BI / Visualization
- Connect / Collaborate
- Financial / Do more with Less

User-centric Client-Aware Computing

Consumerization "N - Devices"
Cloud 2015: More users, more smart connections, more data, more storage, more traffic ...

1. IDC “The Internet Reaches Late Adolescence” Dec 2009, extrapolation by Intel for 2015
2. ECG “Worldwide Device Estimates Year 2020 - Intel One Smart Network Work” forecast
3. IDC
Cloud & the Compute Continuum

Federated
Share data securely across public and private clouds

Automated
IT can focus more on innovation and less on management

Client Aware
Optimizing services based on device capability to deliver the Best User Experience
Cloud 2015 Vision

FEDERATED
Share data securely across public and private clouds

AUTOMATED
IT can focus more on innovation and less on management

CLIENT AWARE
Optimizing services based on device capability

Open & Interoperable Solutions Essential
Intelligent Infrastructure Evolution

Yesterday
- Basic Client

Today
- Managed Client

Inflection
- Virtual Clients

Future
- Client Aware Service Delivery
  - Public
  - Private
  - Personal Cloud

Intel + Ecosystem Solutions
Business Usage Assessment

Today & Tomorrow

Emerging Usage Models

Simple Text and Web-based Applications

Rich Media Applications

Mobile Internet and Workplace Flexibility

Communication

Collaboration and Video (including Training)

Visual & Role Oriented Computing

Task
Office
Mobile
Home Access
Contract

Mobile Internet and Workplace Flexibility

Communication

Collaboration and Video (including Training)

Visual & Role Oriented Computing

Emerging Usage Models
Intel® Core™ vPro™ Processors

- Intelligent Performance: Intelligent performance to run applications locally with Intel® Turbo Boost and Intel® Hyper-threading
- Security: Protect information assets and encryption management with Intel® Trusted Execution Technology, Anti-Theft Technology, and AES-NI
- Manageability: Remote troubleshooting and maintenance to dramatically lower manageability costs with Intel® Active Management Technology
- Virtualization: More secure and robust virtualization with built-in features such as Intel® Virtualization Technology and Intel® Trusted Execution Technology

Hosted VDI
Streamed VHD
Local VM
Hosted Shared
On Demand Apps
Intel-based Device Ecosystem
Intel® Core™ vPro™ + Intel® Xeon®

End to End Solutions for Intelligent Desktop Virtualization (IDV)

AES-NI Encryption Acceleration

Trusted Execution Technology (TxT) Virtualization Technology (VT-x)

Active Management (AMT) Node Manager

Hardware-Based Platform Enhancements for Energy Efficient Performance, Security, and Manageability
Intelligent Desktop Virtualization

Control and Flexibility

IT → User

Three Key Tenets

1. Manage centrally, execute locally
2. Deliver layered images intelligently
3. Use device-native management
IDV = No Compromises!

Control & Flexibility