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?? Today's Life ?? - สังคมก้มหน้า





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s<u>v</u> wmware

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Gartner and IDC - Mobile Platform















Data Deluge Growth Drivers



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EMC Federation 2014 Our Strategy: Build A Differentiated Stack

Best Of Breed. Architected Horizontally, Not Vertically. Choice.







Many Industries Face Structural Change







Workloads Have Different Requirements





A Flash Portfolio for Every Use Case



New Workloads Need New Infrastructure

In-Memory Databases, High Performance / Realtime Analytics



Welcome World. 5th Storage Architecture.



- Flash "Top of Rack" Pool
- Ideal for Rack Scale Architectures
- NO need for SCSI.
 NO need for File Handles.
- Hyper-coupled PCIe and NVMe connectivity
- Directly called by libHDFS and Key Value Stores (...and direct memory mapping, and block / file primitives if you WANT)
- Buffering Flash Latency with Unique IP.





Enterprise Data ARCHITECTURE



Applications for Big Data Analytics

Smarter Healthcare



Homeland Security



Manufacturing



Multi-channel sales



Traffic Control

Trading Analytics



Telecom



Fraud and Risk



Log Analysis



Search Quality







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Big Data Case Studies

Agency Organization	Underpinning Technology	Big Data Metrics	Initial Big Data Entry Point	Public/User Benefits
Transportation Traffic Pattern Analysis	Streams analytic software, predictive analytics	Gigabits/sec	Streaming and Data Analytics	Improve traffic in metropolitan areas by decreasing congestion and reducing traffic accident injury rates
National Weather Service	HPC modeling, data from satellites, ships, aircraft and deployed sensors	Petabytes, Terabyes/sec, Semi- structured	Streaming Data & Analytics, Warehouse Optimization	Provide weather, water, and climate data, forecasts and warnings for the protection of life and property and enhancement of the national economy
Revenue Service	Multiple analytics applications, descriptive, exploratory, and predictive analysis	Petabytes	Streaming Data & Analytic, Warehouse Optimization, Distributed info Mgt	Provide taxpayers top quality service by helping them to understand and meet their tax responsibilities and enforce the law with integrity and fairness to all
Center for Medicare & Medical Services Medical Records Analytics	Columnar and NoSQL databases, Hadoop, EHR on the front end, with legacy structured database system	Petabytes, Terabyte/day	Streaming Data & Analytics, Warehouse Optimization, Distributed Info Mgt	Protect the health of all citizens and ensure compliant processing of insurance claims





The New Role Of IT: Cloud Broker





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RAPID ADOPTION OF PUBLIC CLOUD







RAPID ADOPTION OF PRIVATE CLOUD



TRUSTED CONTROLLED RELIABLE



Build Your Hybrid Cloud Strategy



The Journey to the Private Cloud



What is an Enterprise Hybrid Cloud (EHC)?

Existing Infrastructure + EMC Methodology= Hybrid Cloud



End User View - laas Services



End User View - Everything *aas



EMC Hybrid Cloud Enables Anything-As-A-Service

"Everything As a Service" Delivery



The EMC Hybrid Cloud Reference Architecture



Hybrid Clouds > More Than Technology

Align Workloads With Most Suitable Cloud Model And Empower Them For Mobile And Big Data Solutions



Package And Orchestrate Services For Agile IT Operations And Convenient Consumption

Build a Cost-Efficient, Agile Infrastructure to Enable Private and Hybrid Cloud



People& Process development for Cloud





Transforming IT for the cloud





RSA vmware

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