

SmartDataCenter Use Cases

Joyent's SmartDataCenter cloud infrastructure platform is optimized to run large public clouds, power operator application management and development, provide powerful machine-to-machine cloud infrastructure, and enable private and hybrid clouds.

Read more about each of these use cases below.

Service Provider Public Clouds



A natural and profitable extension to your existing service portfolio

Forrester estimates that the size of the global service provider cloud infrastructure and services market will be over one trillion dollars in 2015.

Opportunity

- Extend existing lines of business
- Augment revenues
- Retain customers and deepen customer relationships
- Leverage existing infrastructure

Challenge

- Losing customers to IaaS providers
- Wide breadth of customer requirements, from low to high workloads
- Enabling varying levels of scale
- Ensuring data resiliency and security

SmartDataCenter Advantage

- Faster time to market
- Most profit potential
- Most reliable and resilient cloud infrastructure platform
- Proven by thousands of customers on Joyent Cloud
- Carrier-grade quality of service

Operator Application Clouds



Hosting, delivering, and monetizing mobile and web apps and services

With the introduction of lighter weight, cloud based mobile and web application development and delivery frameworks, operators can foster application innovation.

Opportunity

- Regain revenue lost to Over the Top (OTT) providers
- Attract top developer talent with quality infrastructure and revenue potential
- Bring outside innovation into the organization

Challenge

- Attracting the brightest developers
- Providing a proven and cost effective platform for distributing, monetizing, and managing communication-oriented applications
- Providing infrastructure and runtime
- Building cloud platforms with web service interfaces

SmartDataCenter Advantage

- The most modern cloud infrastructure platform
- Contains all elements to build and provide a PaaS for developers
- Includes Node.js, the preferred technology for next generation web, mobile and M2M apps

Machine-to-Machine Scale Clouds



Support any number of mobile, sensor, and compute device

Service providers are in the best position to seize a piece of the rapidly growing M2M business.

Opportunity

- Participate in fastest-growing computing segment
- Extend existing lines of business
- Align more closely with enterprises and their customers
- Augment revenues from traditional businesses

Challenge

- Requires know-how in emerging segments
- Requires cross-border collaboration and global reach
- Requires high availability, high scalability cloud infrastructure
- Timing the opportunity and pacing the effort

SmartDataCenter Advantage

- The most powerful compute and scale necessary to support data intensive real-time (DIRTY) apps
- Global network of service providers using SmartDataCenter
- Start small and grow as quickly as your business requires

Private Clouds for New Enterprise Applications



Develop and run new applications faster

CIOs can now move mission-critical projects into the cloud.

Opportunity

- Demonstrate leadership and innovation within the enterprise
- Be seen as a business enabler rather than a resource rationer
- Cut IT costs with efficient provisioning processes
- More rapidly innovate with tools designed for web application development

Challenge

- Employees and customers demand multi-device-friendly enterprise apps
- In-house developers demand quick, unencumbered access to resources
- Need more rapid development cycles to meet changing needs

SmartDataCenter Advantage

- Optimized for apps running on any device or OS
- Easy internal provisioning of infrastructure
- Contains all elements to build and provide a PaaS for developers