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OnRamp's Private Cloud Solutions Counter Concerns for Businesses Storing Data in the Cloud

AUSTIN, TX – Data center operations company, OnRamp Access, responds to recent power outages plaguing several well-known businesses with [private cloud](#) solutions backed by a 100% uptime guarantee. On June 30th, 2012, Amazon's Elastic Compute Cloud (EC2) data center in Northern Virginia encountered a systems failure following a severe thunderstorm which wiped out its power and rendered its computer servers inoperable for an extended period of time. Those affected were internet giants such as Netflix, Instagram, and Pinterest who experienced the outage during peak user periods. This disruption, however, was not the first for EC2. Just two weeks prior, the data center encountered an outage that left servers unresponsive for over six and a half hours.

Amazon's recent issues bring to light many of the major concerns for storing critical data in a shared, public cloud environment. Of top priority for most businesses is the need to maintain systems with full functionality, 24/7/365. OnRamp's state-of-the-art data center facility is designed with this explicit need in mind. Operating at an n+1 level of redundancy, meaning it boasts a minimum of one reserve for each critical component of its data center's infrastructure, OnRamp is able to service equipment or troubleshoot issues without causing disruptions to its systems. The company applies redundancy to its power infrastructure as well, enabling it to withstand electrical shortages and power fluctuations. Electricity is delivered to OnRamp's facility via two independent entry points on an enhanced closed loop feed from Austin Energy's own mission critical substation. With two points of entry, if one route were to be compromised, power can be re-routed to ensure OnRamp's systems and data center customers remain up and running.

Aside from the threat natural disasters cause, other concerns exist for users of shared cloud environments. "Businesses who decide to store their critical data 'in the cloud' assume the inherent risks associated with allowing information to physically reside on servers and supporting infrastructure that is shared with others," as noted by OnRamp's Founder, Chad Kissinger. Hyperjacking, the most common threat, refers to the ability of a hacker to use access gained in one virtual environment to attack another virtual environment located on the same physical hardware. This is achieved by defeating the security of the hypervisor that manages the two virtual environments. With OnRamp's fully customizable private cloud solutions, customers can avoid these concerns altogether.

Safer and more secure than public clouds, OnRamp's private cloud solutions provide the economic benefits of virtualization, the internal control over the customer's own dedicated equipment and the private environment with which to run it. Using the company's 18 years of experience in building and deploying Internet applications for hundreds of companies, OnRamp creates a customized private cloud solution for each project, using dedicated hardware and software with which the client retains physical control. As a Citrix, VMware and HyperV solution provider, OnRamp can create a customized private cloud solution best suited for its client's needs.

About OnRamp

OnRamp was founded in 1994 in Austin, Texas. As one of Texas' first Internet operations companies, OnRamp's history is rooted in providing reliable and secure connectivity that enables distributed computing. Today, OnRamp is a data center operations company that delivers [colocation](#), [managed hosting](#), cloud and [disaster recovery](#) services backed by [Full7Layer Support](#).

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