Cloud2cloud migration

CHALLENGE

User (privately held software companies in the United States with over 1,000 employees worldwide, total value of over $ 500M) was used until 2011 hired their own servers and VMware and Microsoft licenses to drive the production environment consisting of 350 virtual machines with more than 40TB of data, and a team of 6 people who are 24/7 maintenance on the system. After several years of using the specified environment and a few turns of critical parts system, it was decided that the company does not want to worry about hardware issues, software Licensing (VMware, Microsoft) or support from service providers and has started a project migration from their cloud environment to the new which is based on VMware vCloud Director platform.

APPROACH

Since the user is one of the largest Amazon AWS user (via the Virtual 4000 machine with over 250TB of disk space) , discussed the transition in Amazon AWS , but because lack of support for operating systems that have been used so far in the VMware environment from by Amazon AWS environment , abandoned by switching to Amazon AWS and we moved in finding a provider of cloud services based on VMware vCloud Director platform. The reason for this is support for over 300 different operating system environment that is based on VMware platform support . The project has been developed and successfully carried out in 4 months with use several different approaches to migration of virtual machines from the 10-day online to complete online migration , depending on the requirements of the production environment . it is important noted that this was one of the first cloud2cloud migration projects ever conducted in such a great extent. Worked on the project 10 engineers (India, Belarus , Ukraine , Croatia ,USA) under the coordination of Fractal Dimension 's. During the performance of the project , it was necessary many problems approached in a creative way and are well resolved as soon as possible .

RESULT

During the initial preparation of the project, it is extremely important to be familiar with all the risks that new environment carries and make an assessment and make decisions related to the same. many business processes related to IT should modify (contact external support, backup environments, antivirus, etc.), no backward last year , the system has worked continuously and with only one outage that was corrected within within 8 hours and there was no loss of data. In addition to the technical part of the system, the administration of the system is reduced from six people who were in charge of 24/7 on call and monitor the state of the system at three engineers who work in a reactive mode.

Of course , there is no more need for a license (VMware , Microsoft) , user generated Great Savings in this field . With regard to the environment have unused , a leased resources, the user is found that can prepare another essential business environment (Virtual Development Infrastructure) in vCloud Director

software, and started the same and used for development purposes and testing of software products developed by the company Global2000 .

CONCLUSION

With the experience gained in the above project, the user realized that very good team has knowhow can be used for other projects, he decided, at the suggestion of execution team, start to migrate all environments from collocation datacenters in the cloud environment (Amazon AWS and vCloud Director) to achieve annual savings of over 70% compared to prices they had previously paid for collocation data centers, and which continued in 2012 and the 2013th.