Makerbot

Industry

▶ 3d Printing

Solutions

Managed DNS

Providing an infrastructure to change the world

MakerBot, a 3D printing company, serves millions of people worldwide through its website Thingiverse. The MakerBot DevOps team manages the Thingiverse site, a place where users go to find all kinds of 3D printing models from a new guitar pic, to a puzzle, or even a prosthetic. Thingiverse is the place to go. The Thingiverse community consists of about 3 million users all over the globe from Asia to Europe to South America in addition to a large North American user base.

As the Thingiverse community grows, so too do infrastructures and the need for more sophisticated solutions to scale and meet end user needs. Not to mention regulations around, security, GDPR, and data protection.

Let's just do it! MakerBot makes the move

The MakerBot engineers decided to implement some automation and leverage a multi-cloud environment, to ensure overall availability and enhance end user experience.The solutions they implemented needed to scale quickly, provide flexibility, and increase speeds. The team moved quickly, and deployed a new CDN. Once deploying a new CDN to meet end user requirements, the time for automation of DNS came shortly after. In stepped NS1 Managed DNS. The MakerBot team went from considering an NS1 proof of concept to quickly deciding "let's just do it!"

MakerBot considers its NS1 investment to be a force multiplier. It's saved both money and time, while putting the team in a position to be proactive and innovative rather than reactive. MakerBot reports many positive business outcomes including: more business reliability and security, improved efficiency, and the ability to truly modernize the MakerBot infrastructure.

NS1.
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MakerBot®

Results

Business Reliability & Security

MakerBot is able to shift traffic automatically using the NS1 filter chain technology, ensuring site reliability and GDPR compliance regulations for customers in Europe.

Improved Efficiency

With NS1, the MakerBot devops team spends more time innovating than putting out fires. Most recently, MakerBot migrated databases to a different cloud. MakerBot shifted compute resources and chunks of site traffic for this migration using NS1 filter chains and APIs.

Modernized Infrastructure

MakerBot's ultimate goal was to deploy a multi-cloud environment and simply and easily manage it.

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About NS1

NS1 optimizes delivery of the world's most critical internet and enterprise applications. Only NS1's platform is built on a modern API-first architecture that acts on real-time data and grows more powerful in complex environments, transforming DNS, DHCP, and IP Address Management (IPAM) into an intelligent, efficient, and automated system. NS1's technology drives dramatic gains in IT efficiency and application performance, reliability, and security for the largest global enterprises, including Salesforce, LinkedIn, Dropbox, Nielsen, Pitney Bowes, Squarespace, Pandora and The Guardian.

NS1.