(intel)

Reaching for the sky

Selectel, Russia's largest provider of data center services, speeds up its cloud hosting with Intel® Solid-State Drives

Selectel

> "Intel was able to offer us a faster read/write speed and a longer working lifetime at the most cost-effective price point compared to competitors. We've had perfect uptime using Intel SSDs."
>
> Vyacheslav Akhmetov
> Executive Director
> Selectel

Company

Selectel is the leading provider of data center services in Russia. It hosts the largest social network in Russia, Vkontakte*, as well as offering public cloud hosting services to other customers. Selectel has thousands of customers worldwide and serves them using its own data centers located in Moscow, St. Petersburg and the Leningrad region.

Challenge

To compete internationally, Selectel wanted to deliver a level of performance competitors could not match. In its public cloud offering, Selectel was using hard disk drives, but these couldn't give it the market segment-leading performance it needed. Selectel wanted to improve the cost of performance (measured in input/output operations per second, or IOPS) and its power consumption.

Solution

Intel® Solid-State Drives (Intel® SSDs) offer a reliable alternative to traditional hard drives, with breakthrough storage performance. Following an initial pilot program, the 180GB Intel SSD 520 Series is used as an affordable alternative to hard disk drives in Selectel's cloud infrastructure. The 240GB Intel SSD 525 Series is used in client installations, including for video caching on the VKontakte social network. Selectel is now piloting use of the Intel SSD 910 Series as a high-end caching option for the cloud, with deployment expected to follow this year.

Benefits

"Using Intel SSDs has enabled us to optimize our storage architecture," said Vyacheslav Akhmetov, executive director at Selectel. "One of our biggest challenges is to make optimal use of our space, and the Intel SSDs have enabled us to lower our power consumption and rack density."

He adds: "We use Intel SSDs for almost all our services that have a high workload. We have a lot of IOPS in our environment and all of them are different. Thanks to Intel, we can now offer low-latency services to our end customers."

Find the solution that's right for your organization. Contact your Intel representative, visit Intel's Business Success Stories for IT Managers (**www.intel.co.uk/Itcasestudies**) or explore the Intel.co.uk IT Center (**http://www.intel.co.uk/itcenter**).

(intel)