

# base2Services and Sardius Media speed up live video streaming on AWS



**“** You guys are amazing! The best decision we ever made for our DevOps was getting base2Services. We at Sardius appreciate the time and cost that you have saved us.

**Ari Burt, Co-Founder and Vice President of Global Sales, Sardius Media**



## See the impressive results

- › Sardius is able to focus on its core business, their video automation product and attracting new clients, while streaming an average of 2 petabytes of video content a month.
- › Page load times for their customers have dropped from 8 seconds to half a second – a massive reduction of 95%.
- › Availability of their customer's website even during major events increased dramatically. Sardius now saves 77% of the time taken to scale from zero to 250,000 concurrent users.
- › Video Player load costs have been slashed by a massive 99.2% enabling Sardius to deliver exceptional value to their customers.



**2 petabytes**  
Of video content streamed on average per month



**95%**  
Reduction in page load times for their customers



**99.2%**  
Reduction in video player load costs

## A bit about Sardius Media

Sardius Media is a development and consulting firm that comes alongside organizations to implement customized online video solutions. Sardius Media's expertise mainly resides in three categories: Live Automation, Consulting/Professional Services and Live Events Streaming. Sardius Media is committed to offering customized services through its cutting-edge technology in order to serve its clients' needs efficiently.

## What Sardius Media needed

One of Sardius Media's main services is to provide custom web development for their clients' websites. As their organization grew, they saw an increased need to better allocate their internal resources in this area. Rather than looking after the infrastructure for their clients, they wanted to focus on delivering their core products.

They needed the capability to rapidly deploy and scale websites for the hosting of video content, and to maintain and support them on an ongoing basis. For example, one of the challenges was that their major client's website and store, which receives up to 2.6 million views per month, experienced slow page loads and frequent outages during major events, costing the client revenue. In order to resolve this, they wanted to migrate their customers' websites to AWS and implement a best practice DevOps approach that was repeatable across their existing and new clients. Sardius was looking for a partner that they could work closely with to help them apply DevOps principles and maintain a system that operates 24/7.



The Cloud Services People



```
langList.classList.add('...');
...
var li = document.createElement('li');
langList.classList.add('sp-title', 'sp-title-language');
...
var keys = Object.keys(this.options_languages);
...
for (var i = 0; i < keys.length; i++){
  var key = keys[i];
  var val = this.options_languages[key];
  ...
  li.classList.add('sp-language-' + key);
  li.classList.add('lang_' + key);
  li.innerHTML = key;
  ...
  li.classList.add('eye-select');
  li.setAttribute('aria-checked', 'true');
}
...
function(){
  var langCode = this.className.substr(1, this.className.length - 1);
  langCode = langCode;
  onLangChange(langCode.replace("lang_", ""));
}
langList.appendChild(li);
...
options_languages.forEach(function(listItem) {
  if(this.options_language == key){
    li.classList.add('eye-select');
    li.setAttribute('aria-checked', 'true');
  }
  ...
  li.classList.add('sp-title-' + listItem.title);
  li.innerHTML = listItem.title;
  ...
  onLangChange(listItem.title);
}
langList.appendChild(listItem);
...
document.createElement('li');
...
li.innerHTML = "hello world";
li.appendChild(li);
```

## What base2Services delivered

*base2 provided Sarius with our DevOps as a Service. As part of this offering base2 worked as the extension to Sarius' development team, not only by helping them with the initial migration of their two biggest customers from Rackspace to AWS, but more importantly by providing ongoing expertise to optimize their cloud infrastructure, continuous integration, continuous deployment, and 24/7 support to maintain the solution on an ongoing basis.*

The DevOps as a Service process started with the initial migration and implementation of DevOps processes for only one client. base2 delivered an autoscalable environment, infrastructure deployment automation, and implemented CI/CD processes for the application and the infrastructure code using open source tools. We also provided architectural advice and guidance on deployment of large scale website infrastructure on AWS. Once that was achieved base2 provided 24/7 support for that solution.

As part of ongoing enhancements we then focused on migrating the second client whose website needed to support streaming of huge data volumes - in the order of petabytes - while needing to minimize costs. base2 replicated the solution with some adjustments for specific requirements, but also introduced containerization of the build and application deployment using ECS to improve deployment time and increase infrastructure utilization. Contrary to traditional consulting, our DevOps as a Service approach means that this was not a separate project but merely part of providing ongoing expertise. This solution automatically rolled into 24/7 support.

base2's solution enables Sarius to replicate the solution and processes across any given number of clients and therefore enables them to expand their client base. Sarius also benefited from ongoing architectural advice and guidance to build out their own video automation solution allowing them to focus on their core business.



## About base2Services

base2Services is a globally recognized leader in Cloud Delivery, Operations and Management, specializing in DevOps, Amazon Web Services (AWS) and cloud-native computing. Since 2005, base2Services has delivered successful cloud deployments to countless customers across a wide variety of industries. Our expertise in cloud technology and implementation allow us to provide our clients' businesses with premium services at the highest standards.

As an AWS Advanced Consulting Partner with certified DevOps and SaaS competency, our team members are skilled in the implementation, management, operations, maintenance and support of leading cloud systems with a focus on providing our clients with security, automation, scalability and recovery features. Our extensive knowledge and experience with cloud applications and their development make deployments an easy and affordable process for our clients. Our methodology, demonstrated results and commitment to data security have made us a trusted partner for our numerous international customers.

base2Services is ISO/IEC 27001:2013 certified for its information security management system (ISMS) for cloud development and operations, and is CPS 234 compliant.



## The Cloud Services People

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