


Client	: Maharashtra Public Service Commission	
Industry	: Government	
Website	: www.mpsc.gov.in	
Contact Person	: Mr. Sunil Avatade (IT Head)	
Application Name	: eNlight- Innovative & Intelligent Cloud Solution	

Profile

Maharashtra Public Service Commission (MPSC) is a Constitutional Body established Under Article 315 of Constitution of India which provides a smooth and efficient functioning of the Government of Maharashtra (GoM) by providing suitable candidates for various Government posts and offer advice to them on various service matters like formulation of Recruitment Rules (RR), advice on promotions, transfers and disciplinary actions, etc.

Some of the responsibilities entrusted upon the organization are:

- To conduct examinations for appointments to the service of Government of Maharashtra and its allied organizations.
- To hold departmental examinations for certain Government Departments for employees of their Departments and advice Government regarding other matters pertaining to the examinations.

Challenges

Maharashtra Public Service Commission needed a solution that could cater to sudden spikes in website traffic and huge database needs without the huge hardware investment.

Solution

ESDS' in-house developed auto scalable and intelligent cloud solution eNlight helped in solving all their issues.

Business Challenge

Maharashtra Public Service Commission website is the most sought after site among IAS aspirants. It contains all the information required to clear the examinations. The website is continuously updated for important announcements about latest updates right from new syllabus to question papers and examination dates to results. Hence it is almost updated on a daily basis with the most recent information available. Its Alexa global rank is 115,686 and Indian Rank is 11,389. There is a huge amount of traffic on the website during form submissions and result announcements.

The database comprises of lakhs of records due to which during peak traffic, the enormous requests received could not be catered to, causing the database to hang. The primary reason for this was limited server resources. They wanted a solution that would provide them with the flexibility and scalability to cater to the huge demand whenever required.

As it is a government website, the hardware upgrade was a time consuming task due to the long procedure involved.

Their website users faced extended delay to download any information from the website.

The computing resources of the server were insufficient to cater to the ever increasing database. Thus their website was continuously facing downtime and performance issues.

Also, the huge periodic spike in website traffic had become a primary cause of concern due to which MPSC was not able to finalize on the hardware specifications to cater to their increased demand in the long run.

The cost of hardware that will not be utilized always to the optimum was also a cause of concern.

Solution

ESDS understood that the need of Maharashtra Public Service Commission was to ensure sufficient server resources during expected or unexpected spikes in traffic. ESDS realized their primary concern was smooth functioning of the website to ensure critical information availability to aspirants. ESDS proposed MPSC their Auto scalable Cloud Platform eNlight to cater to all these issues. eNlight ensured high resource availability when required which resulted in smooth functioning of their website even during peak traffic. Salient characteristics of the solution offered are as follows:

Intelligent Auto scalable platform: eNlight catered smoothly to their sudden huge resource requirements. eNlight's intelligent virtual platform scaled up or scaled down resources dynamically resulting in smooth functioning of the website. Users could now access and download information on the website instantly.

No hardware upgrades required: As eNlight is a virtual platform that allocates/ deallocates resources automatically as per the demand of the hour, resource allocation was no longer a matter of concern for MPSC.

Optimum resource usage: eNlight provisions resources as per demand. During non peak hours, resources are de-allocated to ensure that necessary resources are only allocated when required.

Fast database processing: eNlight ensured smooth processing of lakhs of records as sufficient resources availability ensured that the database didn't hang and no bottlenecks were observed.

Solution Benefits

Zero downtime: The repeated problem of downtime during peak hours has been resolved permanently.

Smooth database access: The database didn't hang and lakhs of records were processed seamlessly.

High resource availability: Fast information access and downloads from website.

Huge Capex not involved: eNlight is a cloud platform hence enormous hardware set-up cost is not required.