

Wysetek implements Radware ADC Solution for petroleum conglomerate



The consolidated and virtual solution provided advanced application acceleration capabilities and a competent load balancing solution for customer's data centre.

The customer is a leading Oil and Gas Company with a large network infrastructure that caters to their users spread across for easy access of their applications hosted on internet as well as serve their employee the ease to access their local network from anywhere. The Indian state-controlled oil and Gas Company headquartered in Mumbai operates couple of large refineries across India.

Business Need

The conglomerate has a nationwide network infrastructure including of all the regional offices spread across the nation with 10000+ employees, along with vast number of users. All the traffic at the company converges at their two datacenter located in Mumbai and NCR. Mumbai is the primary datacenter that hosts various servers, databases, security devices and all the applications used by the company along with many other network devices for their business and consumers.

For its unique daily users to offer the services smoothly, network security and continuous connectivity are vital for the company. With the increase in the number of users and the network devices in the infra there was a need to upgrade some parts of their network to continue providing uninterrupted services, says Amit Kumar Sharma, Technical Specialist (TSD), Network & Security, Wysetek Systems Technologists.

Challenges

The customer had deployed Radware's dedicated On Demand Switch platforms for load balancing. In order to serve all the user request and proper communication within the nationwide network the customer has already implemented Radware's Load balancing solution along with other network devices.

But as the company business and number of the users grew the customer wanted to scale up its infrastructure to provide better, more predictable application connectivity. It wanted to improve resiliency and scalability and also continue providing uninterrupted services.

Another key objective was to lower operational costs, which the customer wanted to achieve by consolidating multiple dedicated ADC devices into a virtualized ADC infrastructure as per various application need informs Amit.

Role of Wysetek

Wysetek Systems Technologists an ISO 9001:2015 Certified company leverages more than 2 decades of rich experience in providing Integrated Technology Solutions to SMEs and Large Corporations across India.

The customer delegated the project to Wysetek as a technology partner for Radware to implement Radware Alton, DefensePro along with other solutions. Since Radware On demand switch load balancing platform proved to be a huge success to the customer, it decided to update to a newer version of load balancing platform.

The Solution provided was Radware Alton ADC VX. Alton is Radware's next-generation application delivery controller (ADC). It provides advanced, end-to-end local and global load balancing capabilities for all Web, cloud and mobile-based applications. Alton load balancer provides application delivery capabilities, SSL performance that supports all of the latest encryption protocols, and advanced services to companies with ongoing application lifecycle management challenges that impact the performance of web.

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The Benefits

The customer selected Radware's ADC-VX Application Delivery Controller (ADC) over the previous Appdirector installed in the infra for its robust multi-tenancy capabilities. Alton-VX provides a complete network and management isolation between neighboring virtual ADC instances. Alton-VX enables to consolidate the customer's ADC hardware devices without compromising resiliency or performance predictability of their ADC services. The system's high scalability ensures that the needs of both existing and new customers and the employees can be met.

On the financial side, the customer reduced operational costs by consolidating existing ADC hardware devices into a single ADC device and saving costs of power, and hardware maintenance, says Amit.

While each virtual ADC instance allocates dedicated resources for its operation, the customer can guarantee predictable performance and service level agreement (SLA) to customers. Respective teams can easily reallocate resources and distribute them across virtual ADC instances, adjusting performance and functionality to meet changing application needs of customers.

ADC-VX increases resiliency while cutting costs as each virtual ADC instance allocates dedicated resources for its operation. The customer was able to consolidate its existing hardware and run multiple virtual ADC instances on the new dedicated ADC hardware.

Radware's virtual solution accommodates the customer's expanding business and keeps pace with a continuous growing industry. Unmatched reliability, flexibility and customer support provides a comprehensive solution for the customer now and in the future, says Amit Kumar Sharma at Wysetek Systems Technologists.

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Prime Benefits of Radware Alton ADC-VX to Customer

- Provide a complete network and management isolation between neighboring virtual ADC instances.
- Enables to consolidate their ADC hardware devices without compromising resiliency or performance predictability of their ADC services.
- The system's high scalability ensures that the needs of both existing and new customers and employees can be met.
- Reduced operational costs by consolidating existing ADC hardware devices into a single ADC device and saving costs of power, and hardware maintenance.
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