Overview:
Leading North America manufacturer of biomedical laboratory instruments is challenged to redesign their eCommerce website for Life Sciences using a Cloud-based architecture model and improve the site’s user experience, business functions and technical requirements.

Solution:
Zensar recommended a cloud-based solution and hosting that included:
- Provide information on key areas such as High Availability / Scalability (Using Multi-AZ and Auto-scaling) by using right server sizing and identifying correct Cloud services
- Provide information on capacity planning in case of crossing defined threshold (Ex: Load / DB Size / Apps Size / CPU usage)
- Work during the implementation phase for creating multiple environments and continuous deployment (Using DevOps and IT Automation – AWS CloudFormation / OpsWorks services)
- Perform guidelines, best practices and patterns for optimizing towards cost reduction and doing performance tuning
- Provide a basis for the BCI – IT Authority to maintain artefacts showing an application-centric view of migration progress, strategic platform usage and liberation of existing infrastructure
- Use of Cloud services specifically to provide end-to-end solutions particularly in the areas implementing Caching (ElastiCache), Searching (ElastiSearch) and Monitoring (CloudWatch) Services

Zensar helped execute:
- Architecting and provisioning of cloud based infrastructure that is highly available and efficiently scalable

Key Benefits
- Faster Time-to-market
- 40% Cost reduction towards infrastructure
- 30% Reduction in software licenses and infrastructure costs