

MuleSoft Back Pressure and Scaling for Department Store Chain

ORGANIZATION

XTIVIA's client is a department store chain, with nearly 300 locations in 16 states offering apparel, shoes, accessories, cosmetics, home furnishings, and wedding registries.

CHALLENGE

Our client is a leading technology innovator in retail with mission critical systems which handle high volume and high velocity of data movement from on-premise to cloud with ultra-low latency. They implemented a MuleSoft API that was not able handle the high-volume event requirements, they kept experiencing an out of memory failure, since the solution was not scaling. Our client engaged XTIVIA to provide technical guidance and assist their resources with remediating the issue.

TECHNICAL SOLUTION

XTIVIA collaborated with the client to understand the existing environment, design, configuration, data processing, data usage, and patterns of different source and target systems to identify anomalies. XTIVIA gathered information on the API, its dependencies, and debugged the process to determine the root cause of the out of memory failure. Since the solution was not scaling to support the orders volume, XTIVIA implemented back pressure and solution for scaling. This solution will allow each instance to take the messages it can only handle and queue the remaining, this will prevent any out of memory issue and provide continuous processing.

BUSINESS RESULT

The solution enabled the client to streamline existing processes and identify opportunities for simplification.

KEYWORDS

MuleSoft Anypoint Platform, MuleSoft Runtime Manager, MuleSoft Anypoint Monitoring, MuleSoft On-premise

SOFTWARE

Mule Runtime, MuleSoft Anypoint Platform, MuleSoft Anypoint Monitoring

ABOUT XTIVIA

XTIVIA is a proven technology integration and innovation company known for delivering leading-edge technology solutions to our clients' specific requirements, regardless of project complexity. We bring next-level business operations to reality through Application Development, Business Intelligence, Data Warehousing, Database Support & Management, Enterprise Information Management, Digital Experience Solutions, and Enterprise Resource Planning. Our success stems from a demonstrated ability to deliver deep expertise via professional services, empowering clients to leverage their chosen technology successfully, competitively and profitably. XTIVIA has offices in Colorado, New York, New Jersey, Missouri, Texas, Virginia, and India. www.xtiv.com