


## Reference - AWS Managed Streaming Kafka Opla Energy

<p style="text-align: center;"><b>PROBLEM STATEMENT</b></p> <p>Opla Energy Ltd has currently running Kafka on their on-premise IT infrastructure. Client wants to move the application(s) workload to AWS to take advantage of cloud computing for on-demand scaling and access. Setup two environments (1) Development (2) Production using AWS.</p> <p style="text-align: center;"><b>SOLUTION HIGHLIGHTS</b></p> <p>Setup Kafka using AWS MSK service. Provide public endpoint for producer using Lambda function and API Gateway. MSK Consumer would within AWS network, and does not need public access. ScaleCapacity successfully implemented the solution as proposed. Also helped customer with their application connect to MSK consume endpoint.</p> <p style="text-align: center;"><b>WHY AWS</b></p> <p>Managed Kafka Service was a driving factor for the customer to avoid management of infrastructure, setup and management.</p> <p style="text-align: center;"><b>WHY ScaleCapacity, Inc</b></p> <p>ScaleCapacity's experience with various AWS various services to make the MSK producer end-point accessible was crucial for customer, along with understanding for their application usage of Kafka service.</p>	<p style="text-align: center;"><b>About Customer</b></p>  <p><b>Industry:</b> Headquartered in Calgary with operations centers in Nisku, Alberta and Odessa, Texas, Opla Energy is service-focused and caters to clients' needs with modern, automated intelligent Managed Pressure Drilling Technology to optimize efficiencies and reduce drilling costs.</p> <p><b>Challenges:</b> Continuous stream of data from MPD systems at multiple drilling locations require centralized, cost efficient way to collect and analyze data.</p>
<p style="text-align: center;"><b>About Partner</b></p> 	<p>ScaleCapacity, Inc is AWS Advanced Consulting Partner and experienced in providing AWS consulting services related to various client needs, which includes (but not limited to) setting up AWS environments, migrating to AWS, provide well-architected AWS solutions. ScaleCapacity, Inc has well defined processes to carry out client's strategy for delivering solutions on AWS cloud.</p>