



# Collect, store, govern, and analyze data at scale with the help of Source Allies and AWS



## Get insights faster with a broad set of analytic tools

Data and data sources are growing rapidly both in volume and diversity. This data also needs to be securely accessed and analyzed by any number of applications and people. The size, complexity, and varied sources of data means that customers need solutions that can help them analyze data at the scale and flexibility they need.

## Data Analytics at Petabyte Scale

When analyzing data on a petabyte scale, data analytics and data science expertise is at the forefront of our efforts. Alignment between experts involved in production of data and interpretation of data has been key to a keeping a steady data pipeline flow.

Teams are purposefully brought together with embedded analytics skillsets as well as event-driven architecture understanding. With a sense of responsibility for making their raw data analyzable, we can answer tomorrow's questions without redesign.

Source Allies' thought leadership in event-driven architectures & data analytics strategy guides our work in building petabyte scale data streaming pipelines. Our teammates leverage AWS certified big data & ML specialty certification knowledge & deep expertise with Kinesis, Elasticsearch, AWS Glue, DynamoDB, EMR, Redshift & Kafka to build maintainable and extensible data pipelines.

## Benefits of Data and Analytics solutions on AWS



### Faster insights

Gain a broad set of analytic tools at a lower cost to help you get business insights faster.



### Secure

Keep your data safe by leveraging tools that meet the requirements of the most security-sensitive organizations.



### Flexible and scalable

Collect, store, categorize, and analyze your data at scale, with services that meet your unique needs.



### Events

Source Allies' expertise with event-sourcing architectures can help you stop chasing the next bottleneck.



## Use cases

- Data lakes: Migrate massive volumes of unrelated data to a data lake on AWS, where it can swiftly and simply be leveraged for critical business insights.
- Modern data warehousing: Unlock insights by migrating, collecting, transforming, and visualizing your data on Amazon Redshift.
- Real-time analytics: Turn streaming data into actionable insights to accelerate decision making using APN Partner services built on Amazon Kinesis.
- Event-sourcing: Using the same stream processing that's been battle-tested at scale by thousands of companies, to put event sourcing into practice: Amazon Managed Streaming for Apache Kafka.

## Another Way Source Allies is Always Finding Better Solutions for Our Customers

Event sourcing seems abstract until you see a concrete example applied to a relatable business process. To aid teams in their understanding, we've created a series of blog articles with code samples to illustrate. Event sourcing can greatly simplify the implementation of data pipelines (or even standard business processes) as well as make it easier to modify and extend over time. It just involves a change in mindset from storing the state of an entity to storing the transitions an entity undergoes.

Our Event Sourcing Blogs + Code Below

## Resources

<https://www.youtube.com/watch?v=BSeP1H0U04E>



### AWS Analytics Data Flow Video

Learn about the Big Data and Machine Learning services offered by AWS



### Event Sourcing

<http://bit.ly/sai-event-source-blog>  
<http://bit.ly/sai-node-ref>  
<http://bit.ly/sai-change-events>