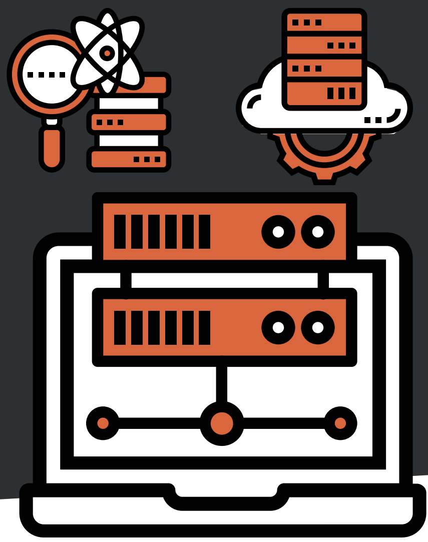
Data Transformation

servian_

# Go Serverless with AWS



## Our Serverless Data Lake framework is easy to deploy, streamlines scalability & reduces costs.

Creating a framework to warehouse your ever-growing expanse of information can be difficult, time-consuming and costly.

Thankfully Servian has invested a great deal of time developing a scalable, repeatable and cost-effective solution that leverages AWS serverless technologies.

## How servian can help you:

Using AWS S3, Lambda, Athena and Glue data catalogue, Servian has developed a framework to ingest, warehouse and store all of your historical information in a structured data lake.

A structured and governed data lake opens the potential to store all of your historical data and make it available for data marts, advanced analytics or AI.

We can deploy our data lake frameworks into a new AWS account within a day. Our consultants will spend time integrating and ingesting your source information and making it available for reporting or analytics.

This integration includes a transformation serverless framework which performs automated transformations using AWS native components.

## What will you gain?

- **Governed data catalogue of all your information assets**
- **Cost optimised warehousing**
- **Access to the data kate from chosen cloud warehouse**
- **Audit trail of how your data have changed over time**
- **Simplify orchestration of ETL**

In 6 weeks, Servian will deploy a pilot data lake, ingest information from up to 3 different source systems and present that data to a data mart of your choice (Redshift or Snowflake).

From there, data will be modelled and transformed for reporting in your preferred BI tool. Alternatively, information can be modelled and made available to Sagemaker, or any other AI/ML service in the AWS cloud.

## To get started, we will need:

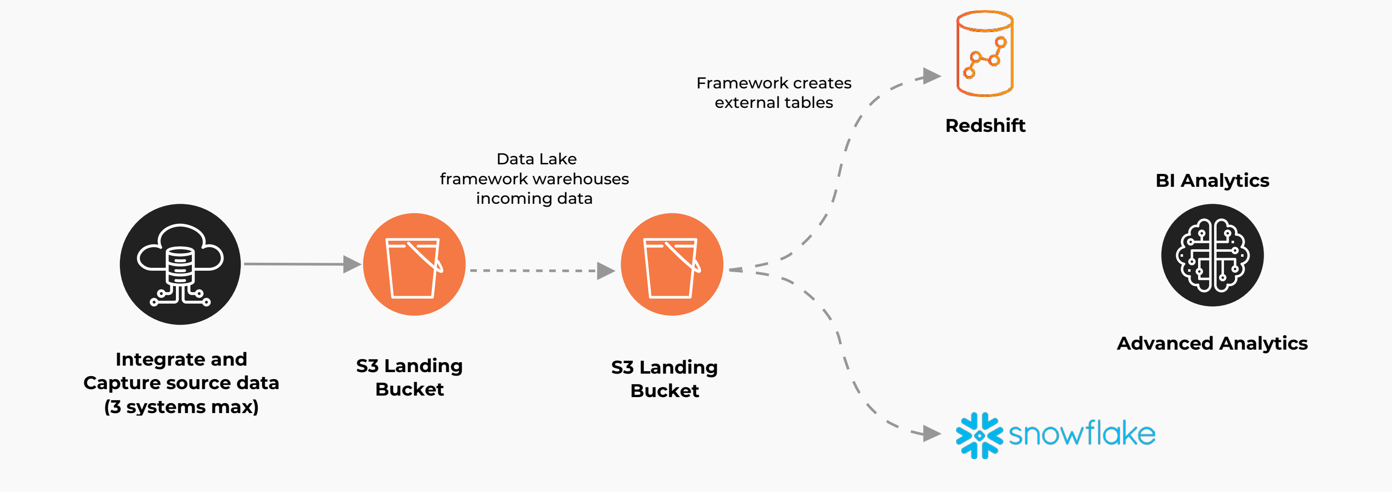
1. Access to your data sources, a list of tables most meaningful to your use case
2. Access to a Data Custodian who will define the metadata to describe and govern your incoming information.
3. Access to the AWS environment
4. Help with data modelling
5. Overview and understanding of your desired
6. reporting requirements

## What's included:

- **Deployment of the data lake into a non-prod environment**
- **Ingest tables from a source system**
- **Demonstrate how data is warehoused within the data lake and ready for reporting**
- **Integrate data lake into the data warehouse**

https://www.servian.com/svn-aws-frameworks-contact-us/

## Work Breakdown




| Item | Description | Days |
|---|---|---|
| **Stream 1** | | |
| **Install** | Gain access to a new AWS account and install data lake framework | 1 |
| **Data Mart** | Integrate framework with a data mart (Redshift or Snowflake) | 2 |
| **Source systems** | Ingest information from 3 source systems | 15 |
| **Metadata** | Work with SME to define metadata | 5 |
| **Knowledge transfer** | Train SMEs in Data Lake framework | 3 |
| **Prototype Data Model** | Review analytical requirements and design a data model (max 30 entities) | 5 |
| **Populate Model** | Transform data to suit new model | 10 |
| **Analytics** | Build an analytical dashboard or use case to analyse the newly captured data (timeboxed 3 weeks) | 15 |
| **Total** | **56 days @ $1750** | **$98,000** |