

FitMap – SizeStream User Measurement & AWS Infrastructure Summary

1. Introduction:

FitMap integrates SizeStream's 3D body scanning technology to provide accurate user body measurements

and fit recommendations. The system captures scan data, processes measurement information, and stores

the results in AWS-managed analytical infrastructure.

2. User Measurement Data:

- Raw scan data is collected via the SizeStream SDK.

- User measurements (70–120 metrics) are extracted.

- Metadata stored includes:

* Device, OS, app version

* Scan logs

* Session duration

* Capture counts

- Measurements are used for:

* Fit recommendations

* Body shape classification

* FitMap insights

3. AWS Architecture Overview:

- Redshift: central analytical database.

- S3: raw dumps, 3D models, logs.

- Glue: ETL and data catalog.

- Lambda: automation triggers.

- QuickSight: analytics dashboards.

- IAM: RBAC for secure access.

4. Summary:

The FitMap–SizeStream pipeline provides an end-to-end, scalable system for managing user body measurements, ensuring high data quality, efficient storage, and strong analytical capabilities.