



WELCOME

App-Driven Analytics

Livestream 3



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Who Am I?

```
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```



3 Week Agenda

Livestream	Objective	Time
P rework	S etup D evelopment Environment	B efore M arch 15 th
1	B uild A pp D riven A nalytics Capabilities	M arch 15 th, 10:00 AM ET
2	S earch, V isualizations, & T riggers	M arch 22 th, 10:00 AM ET
3	Business Visualizations	March 29th, 10:00 AM ET



You can find everything in github

<https://github.com/jayrunkel/rocketLivestream>

- Instructions
- Video links (previous livestream recordings)
- Slides
- Code
- Data
- Configuration



Today's Agenda

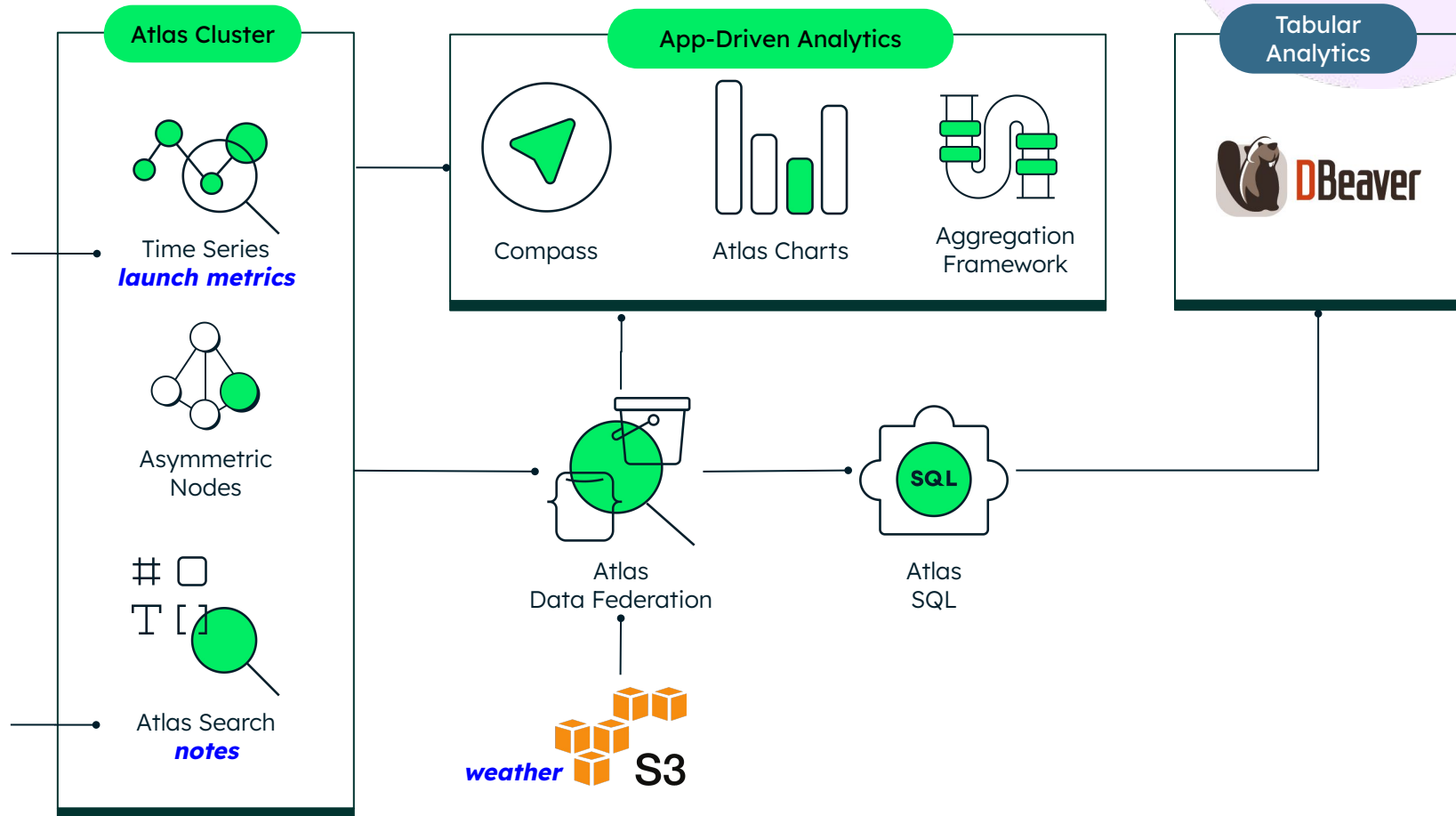
Livestream	Objective	Topics
3	Business Visualizations	Atlas Data Lake Atlas Data Federation Atlas SQL

Rocket Analytics Use Case

Our organization manages rocket launches

- Typical rocket launch lasts 8 hours
- Generates 1M metrics per second
- Need to understand what is happening in real-time during launch
- In-depth analytics post launch

Rocket Analytics Architecture in Atlas





Free 50 Atlas Credits

Livestream 3 uses some paid Atlas Features

- M10 cluster
- Atlas Data Lake
- Atlas Data Federation
- Atlas SQL

We have 100 x \$50 free Atlas codes available

The Atlas code is in rocketData collection.

Find the document where the sum of the sum of the **truth_pos_CON_ECEF_ECEF_M1** and **truth_vel_CON_ECEF_ECEF_MpS3** equals **-1387989.7605416959**

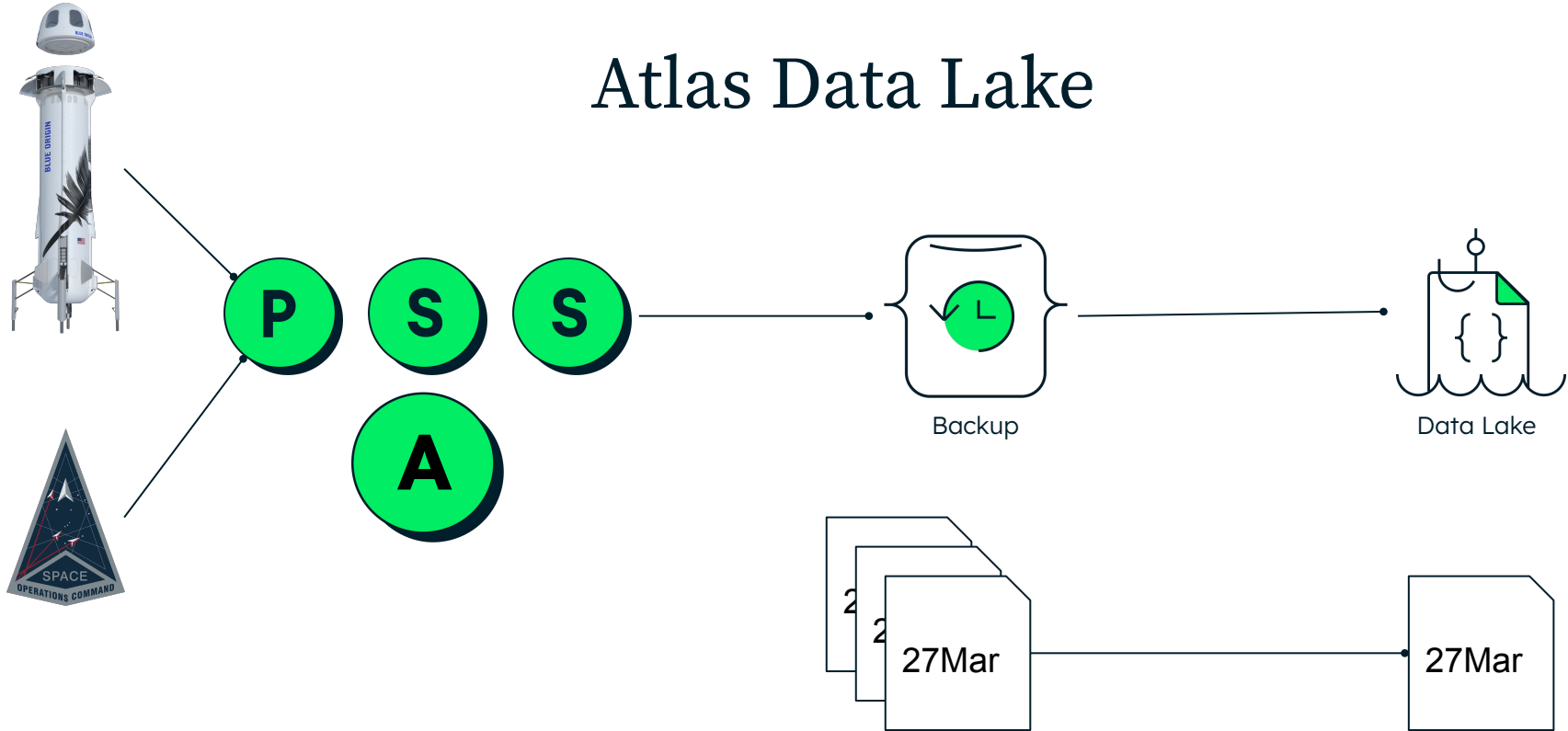
Hint: You may need to use the \$expr operator



Atlas Data Lake



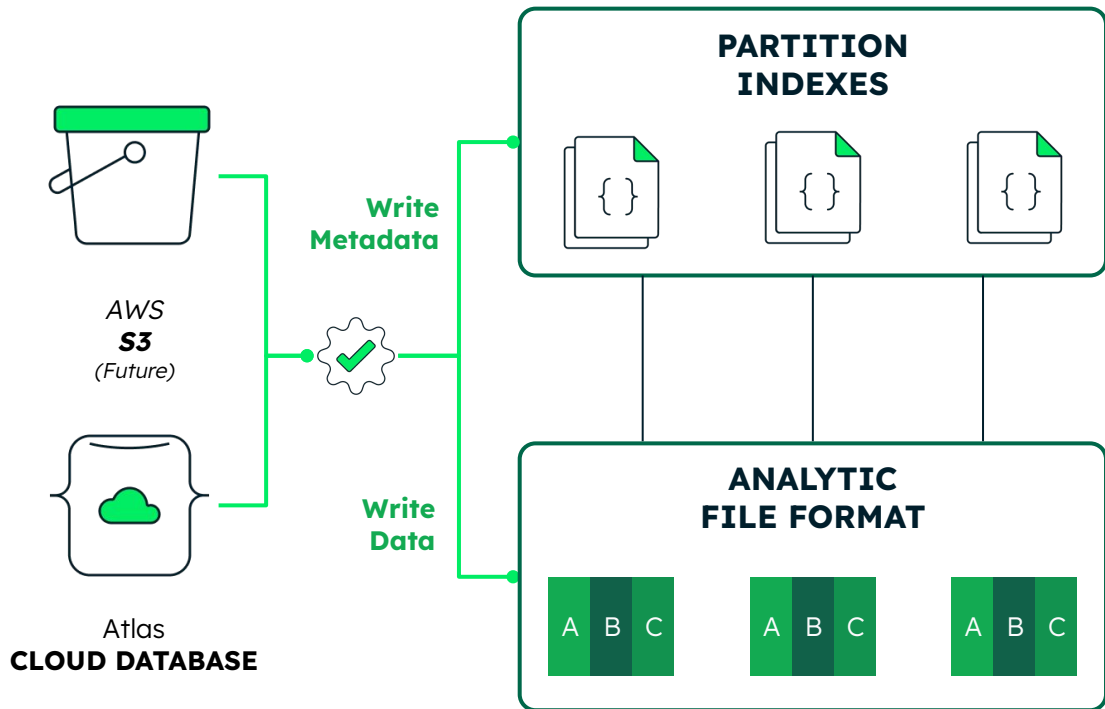
Atlas Data Lake



Enriched Extraction

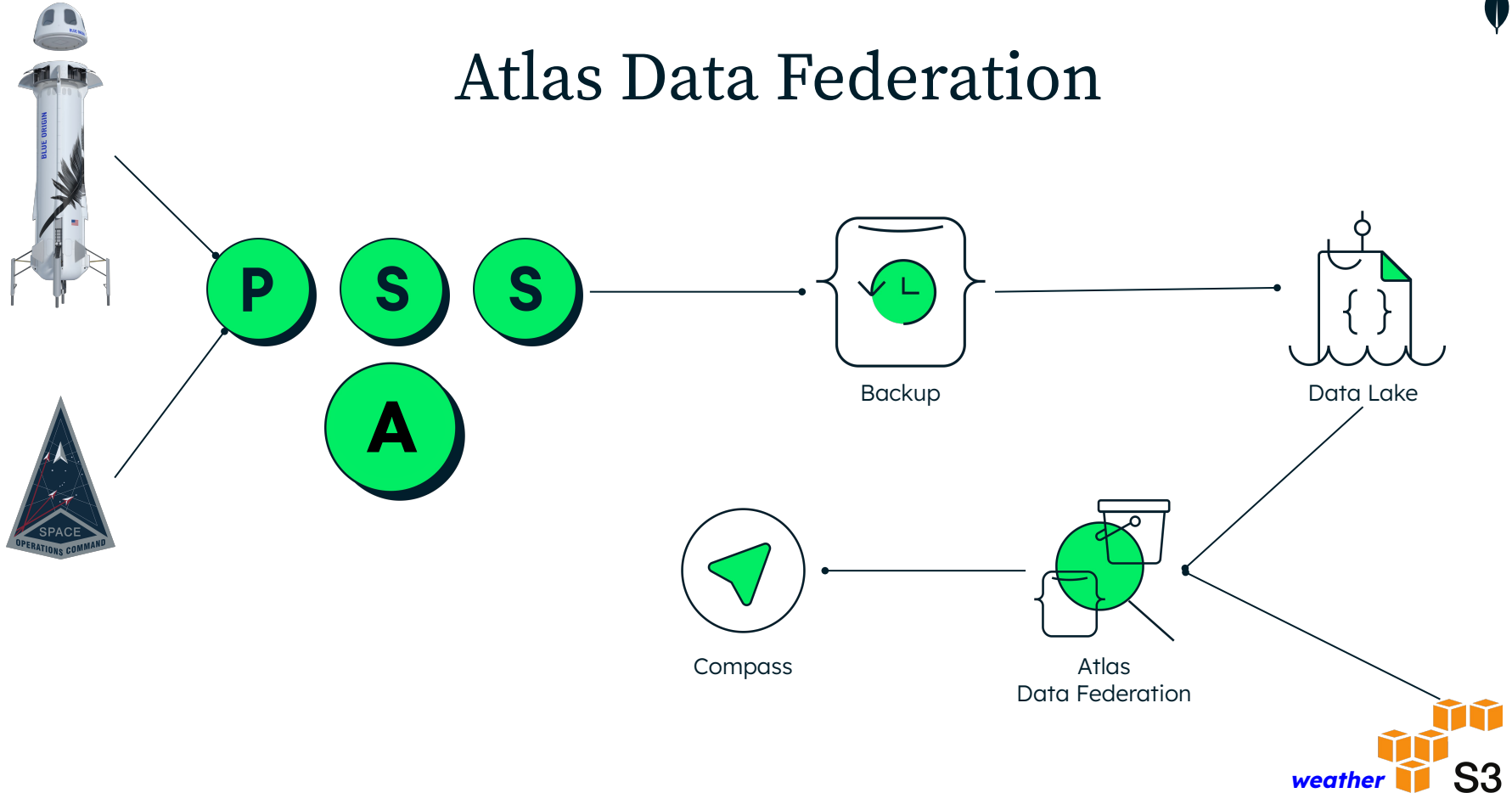
Data is copied from Atlas Clusters or customer owned S3 buckets

- Customers choose the schedule for data to be copied out
- Initially you will be able to omit fields and in the future Field Redaction and Type Transformation will be supported



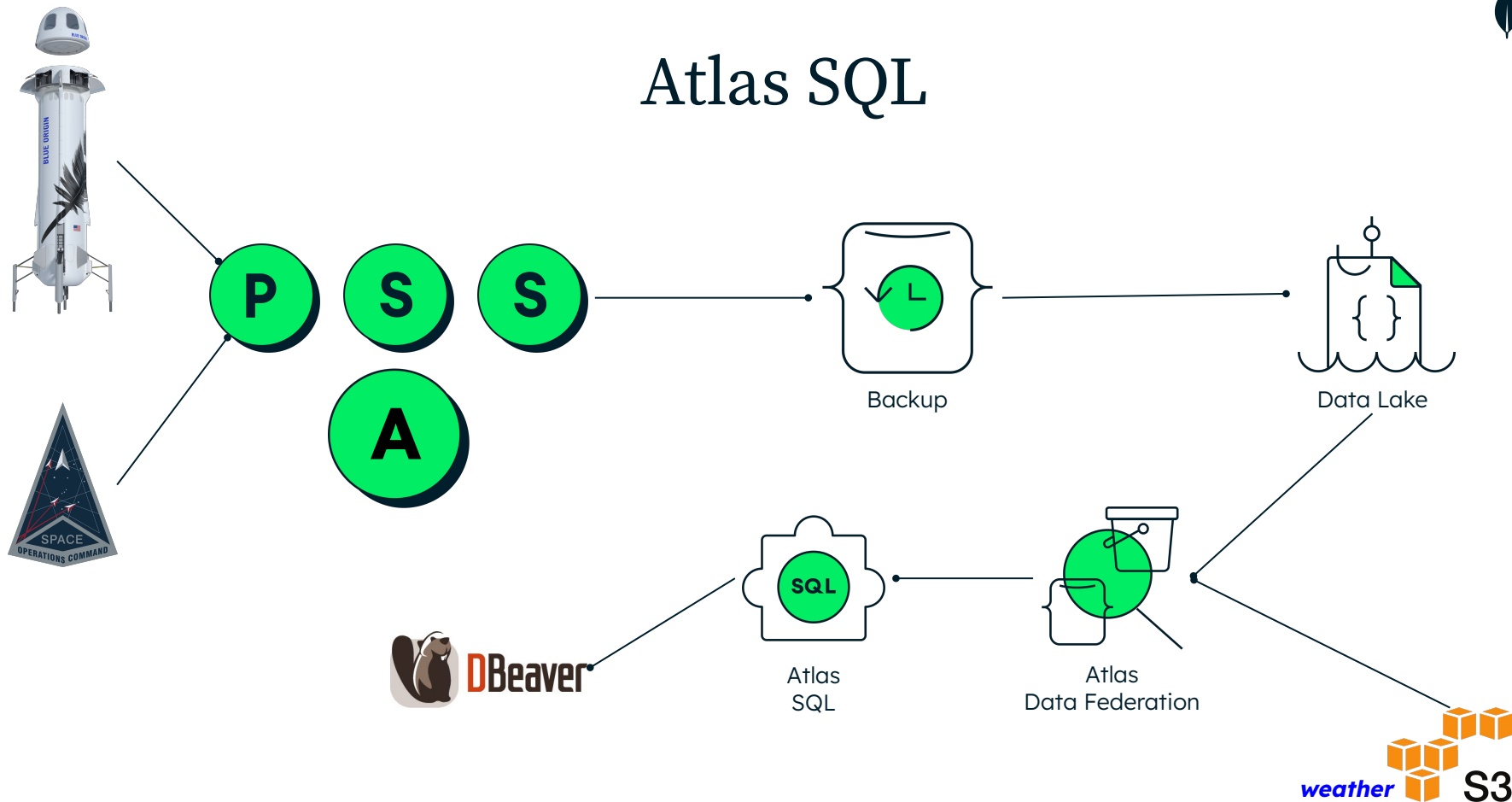


Atlas Data Federation





Atlas SQL



Thank you for
your time.