



WELCOME

App-Drive Analytics

Livestream 2



Jay Runkel

Distinguished Solutions Architect
MongoDB

jay.runkel@mongodb.com
[@jayrunkel](https://twitter.com/jayrunkel)



Who Am I?

```
{  
  "name": "Jay Runkel",  
  "title": "Distinguished Solutions Architect",  
  "company": "MongoDB",  
  "tenure": 9.5,  
  "documentDatabaseExperience": 14,  
  "email": "jay.runkel@mongodb.com",  
  "twitter": "@jayrunkel",  
}
```



3 Week Agenda

Livestream	Objective	Time
P rework	S etup Development Environment	Before March 15th
4	B uild App Driven Analytics Capabilities	March 15th, 10:00 AM ET
2	Search, Visualizations, & Triggers	March 22th, 10:00 AM ET
3	In Depth Analytics	March 22th, 10:00 AM ET



You can find everything in github

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

- Instructions
- Video links
- Slides
- Code
- Data
- Configuration

Agenda

Livestream	Objective	Topics
Pework	Setup Development Environment	Install Compass Create Atlas Account Deploy Free Cluster Configure Security Test
1	Build App Driven Analytics	Atlas Developer Data Platform Overview Rocket Use Case Overview Load, Inspect & Query Data Analytics with Aggregation Framework Analytics with Charts
2	Search & Visualizations	Search, Charts, Triggers
3	In-Depth Analytics	Data Lake, Data Federation, Atlas SQL



Today's Agenda

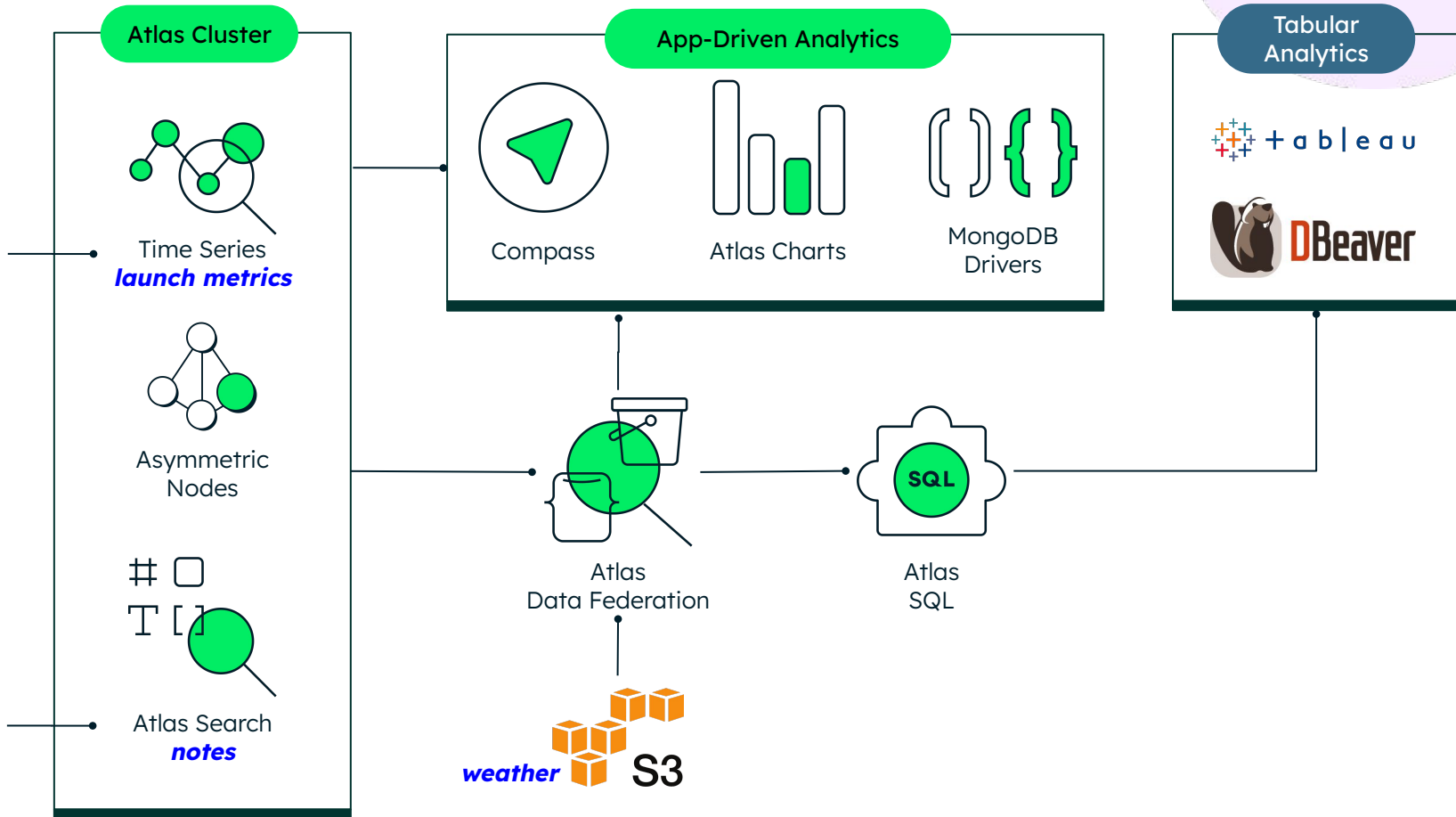
Livestream	Objective	Topics
2	Search, Visualizations, & Triggers	Embed Charts into React Application Configure Atlas Search Indexes Write Search Queries Write and Test Atlas Triggers

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





3 Week Agenda

Livestream	Objective	Time
Pework	Setup Development Environment	Before March 15th
1	Build App Driven Analytics Capabilities	March 15th, 10:00 AM ET
2	Search, Visualizations, & Triggers	March 22th, 10:00 AM ET
3	In Depth Analytics	March 22th, 10:00 AM ET

Thank you for
your time.