

FUNcube Data Warehouse



AMSAT-UK

Colloquium July 2011

Agenda

- Requirements
- Exemplars
- Design
- Test
- Implementation
- Integration
- Data analysis



FUNcube Data Warehouse
<http://api.funcube.org.uk>
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Requirements

- Web based
- Open source
- Have good accessibility
- Registration of ground stations
- Upload of real-time telemetry
- Upload of telemetry files
- Download of telemetry data
- Data analysis



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Exemplars



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Test

Test Driven Development

- Write the test first
 - It breaks
 - Fix it
 - Repeat!



Implementation

Java

- Enterprise stack
- Open source libraries
- Web services



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Integration

- Over the internet
- Multiple sources
- Multiple platforms



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Data Analysis

Real time
High Precision
WOD



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What we Covered

- Requirements
- Exemplars
- Design
- Test
- Implementation
- Integration
- Data analysis

Any questions...



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