



Stardots

>> TRUE DEVELOPMENT BY LEARNING FROM DATA

How we develop and distribute applications in MATLAB

EXPO Stockholm Sweden 2018-05-23

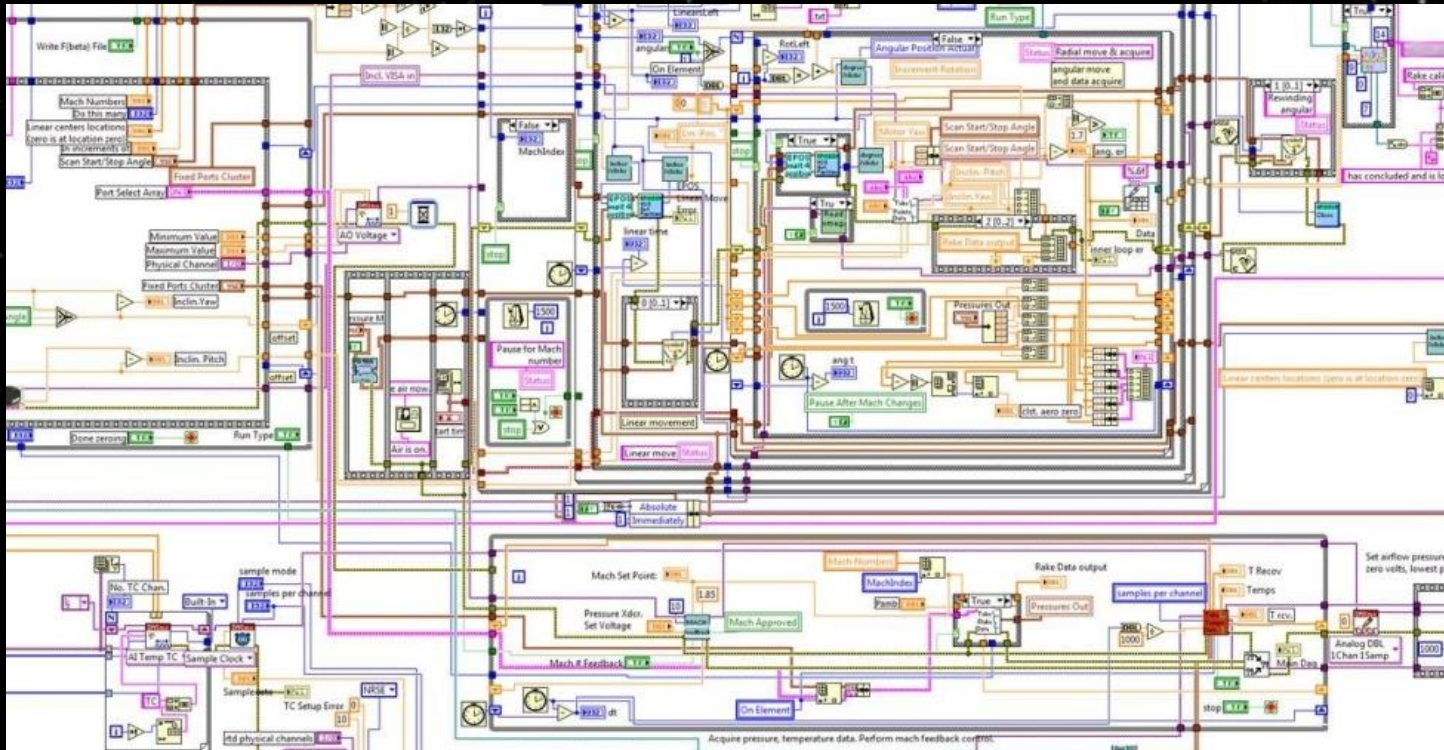
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Challenges

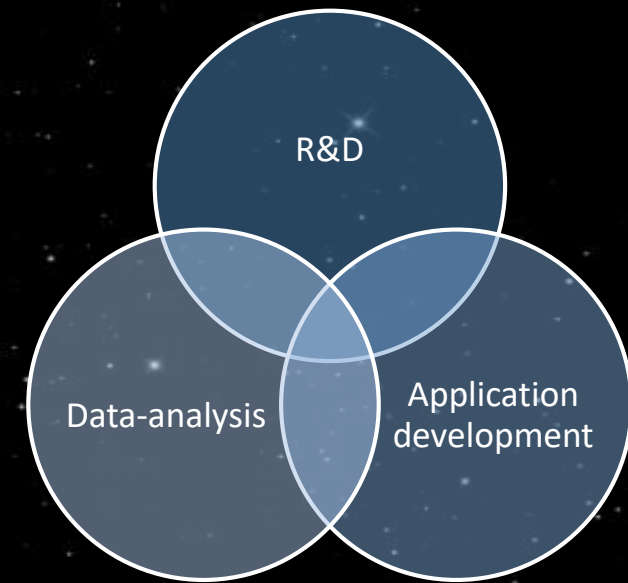
- Data-availability and analysis is core to understanding in R&D
- Difficulties in finding solutions
 - Time consumption (== \$)
 - Systematization (Clear and structured code)
 - Maintenance (Comments, updating)

Examples

- One Java program with 4000 lines of code in one function
- Very complex graphical programming



Solution



- Business idea: develop & distribute software application for R&D
- Examples: sensor acquisition, image analysis, AI, statistics
- Academia & Industry

Business areas

Products & Services

- Software applications
- Licensing

Consulting

- Tailor-made applications
- Drives project to Products & Services and Joint Ventures

Joint Ventures

- Co-development with scientists and engineers
- Forms new companies

Infrastructure

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Stardots cloud



user



commercialization



download



databases



distribution



computing / AI

Client/Customer

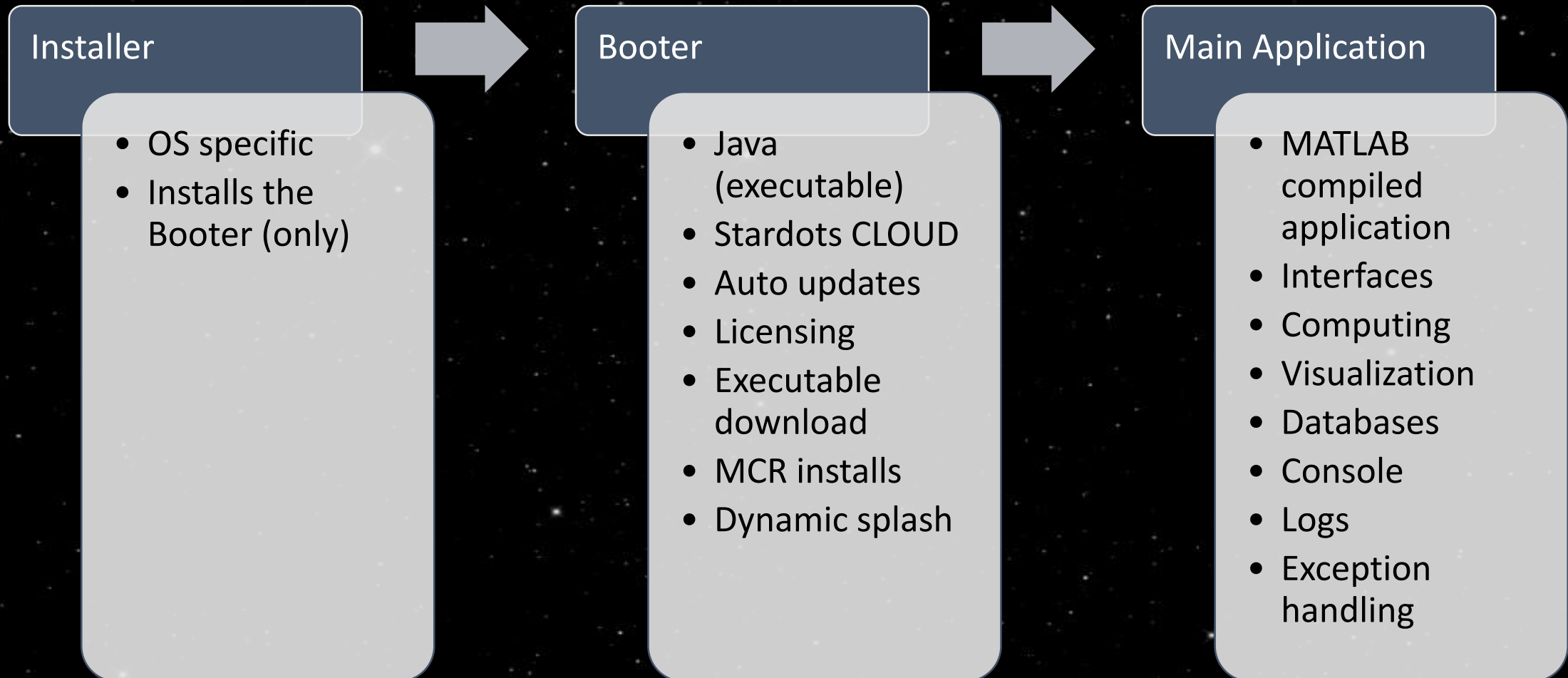


Desktop application



Data-driven insights

Applications framework

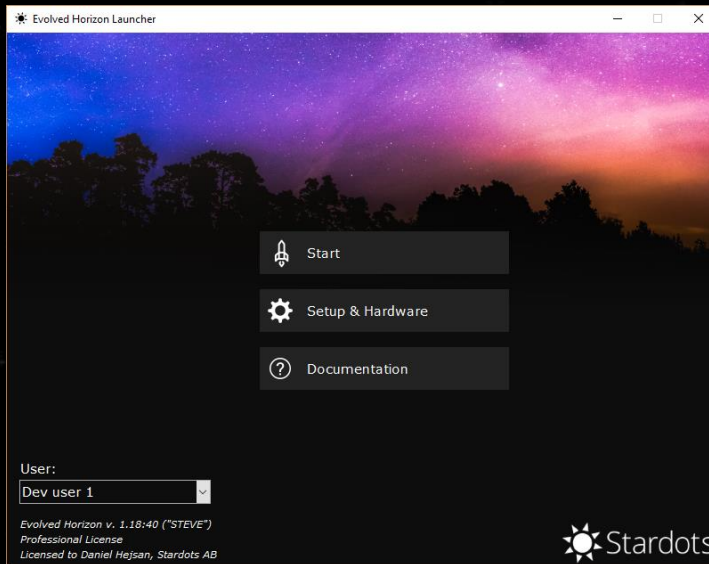




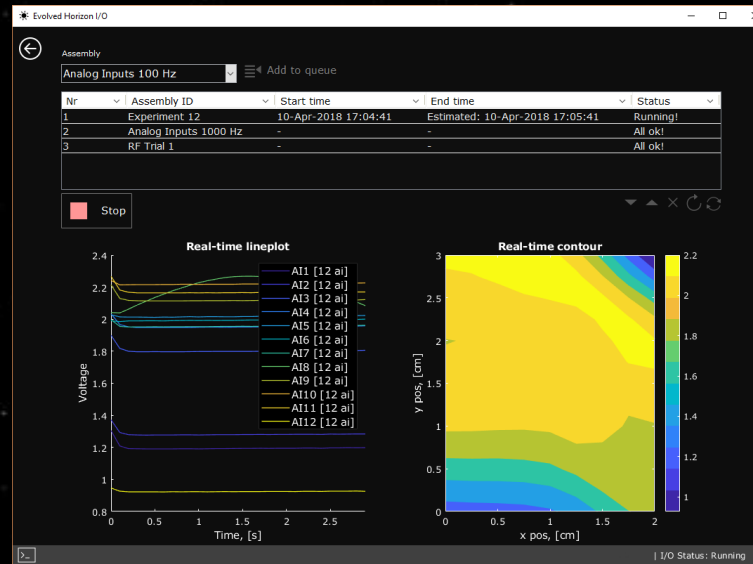
Why MATLAB?

- Stardots main application language
- Field-tested analytics
- Superior visualizations
- Strong programming language
- Speed of development
- Cross platform
- MATLAB compiler + MATLAB Runtime

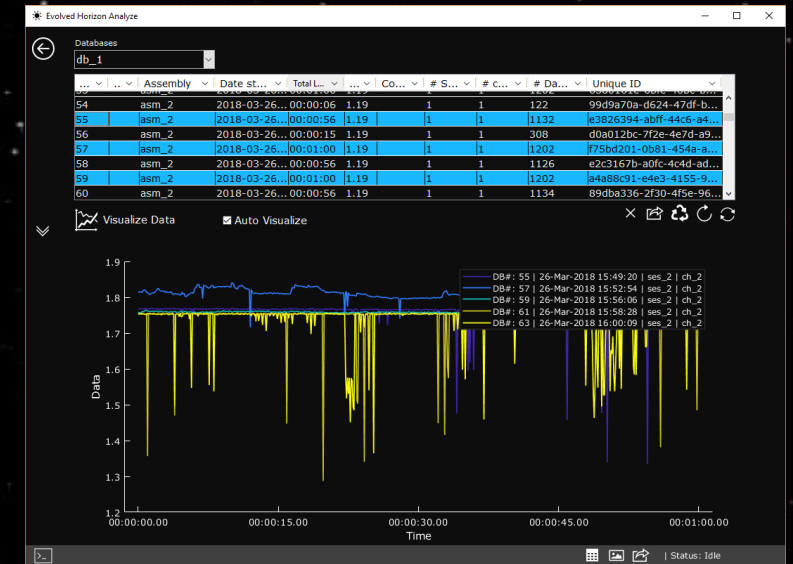
MATLAB application



Intuitive ui controls



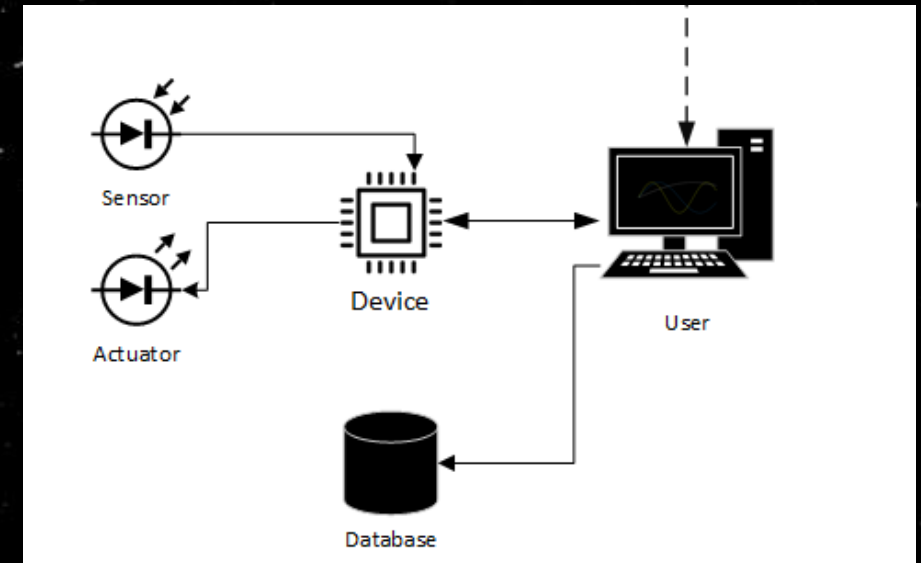
Real-time visualizations



Advanced analytics
 Big Data databases

Evolved Horizon™

- Sensor and actuator acquire, storage and analysis
- Flexible, Robust and Powerful
- Arduino
- Analytics & export
- Patent pending approach (PCT)



Closing remarks

- Large interest and need from R&D
- Harness the power & speed in MATLAB
- We are open for new projects and ideas