The Automation of Project Data

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PRESENTATION AGENDA

1	Brief	
2	Systems Architecture	
3	Cool FME Stuff	
4	Next Steps	
5	Conclusion	

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Brief Brief …
Do "Stuff" to support the project

Systems Architecture
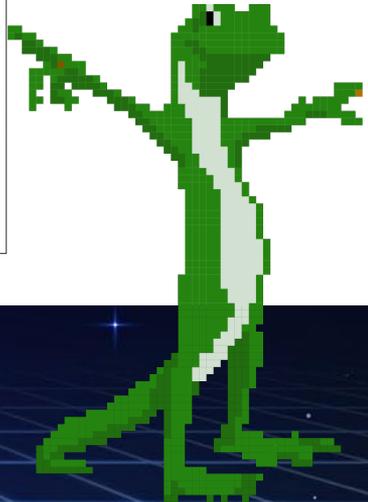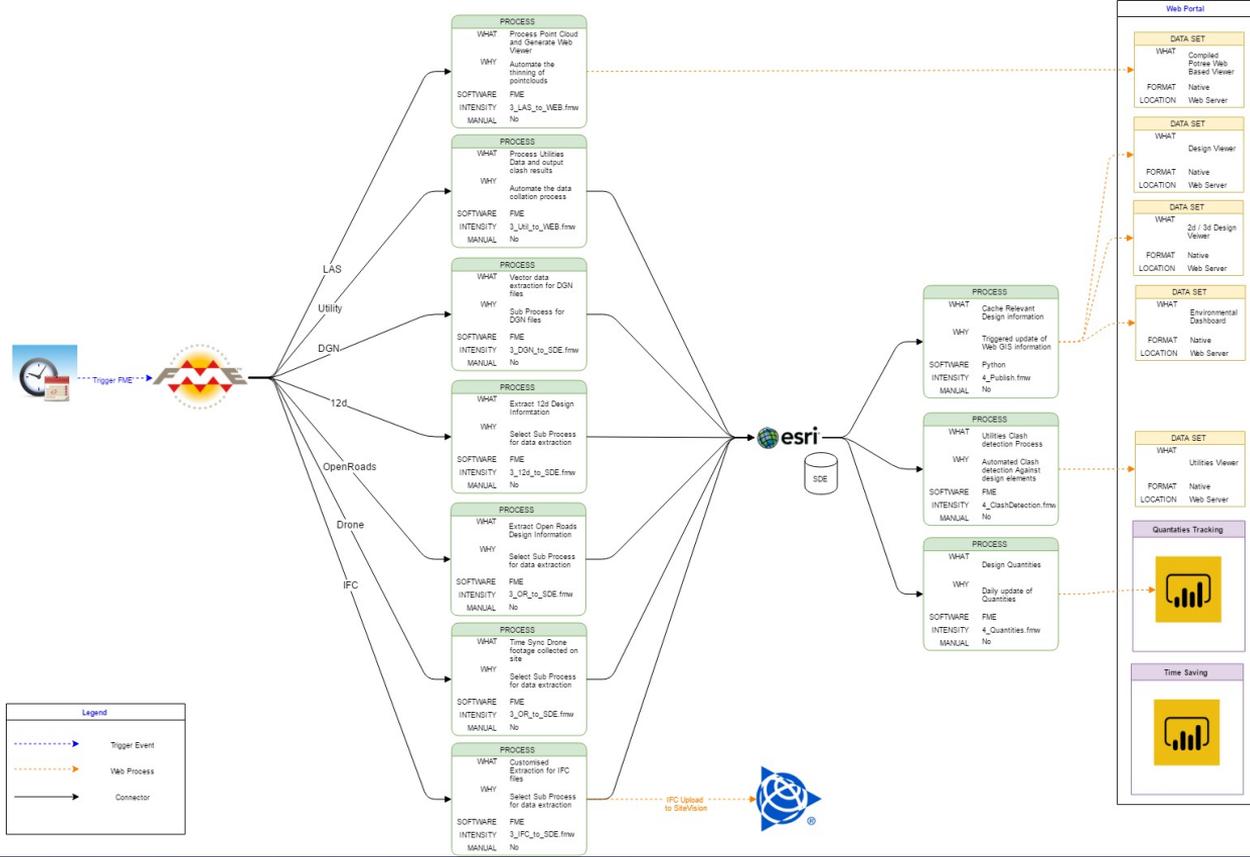
"Static" Systems Architecture
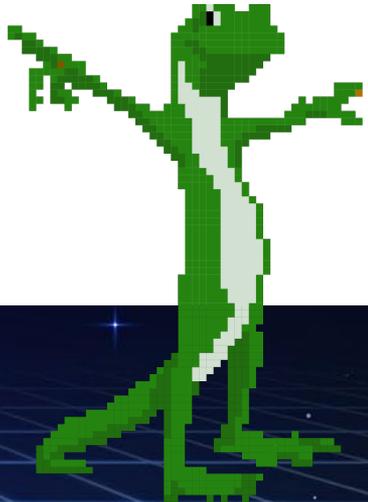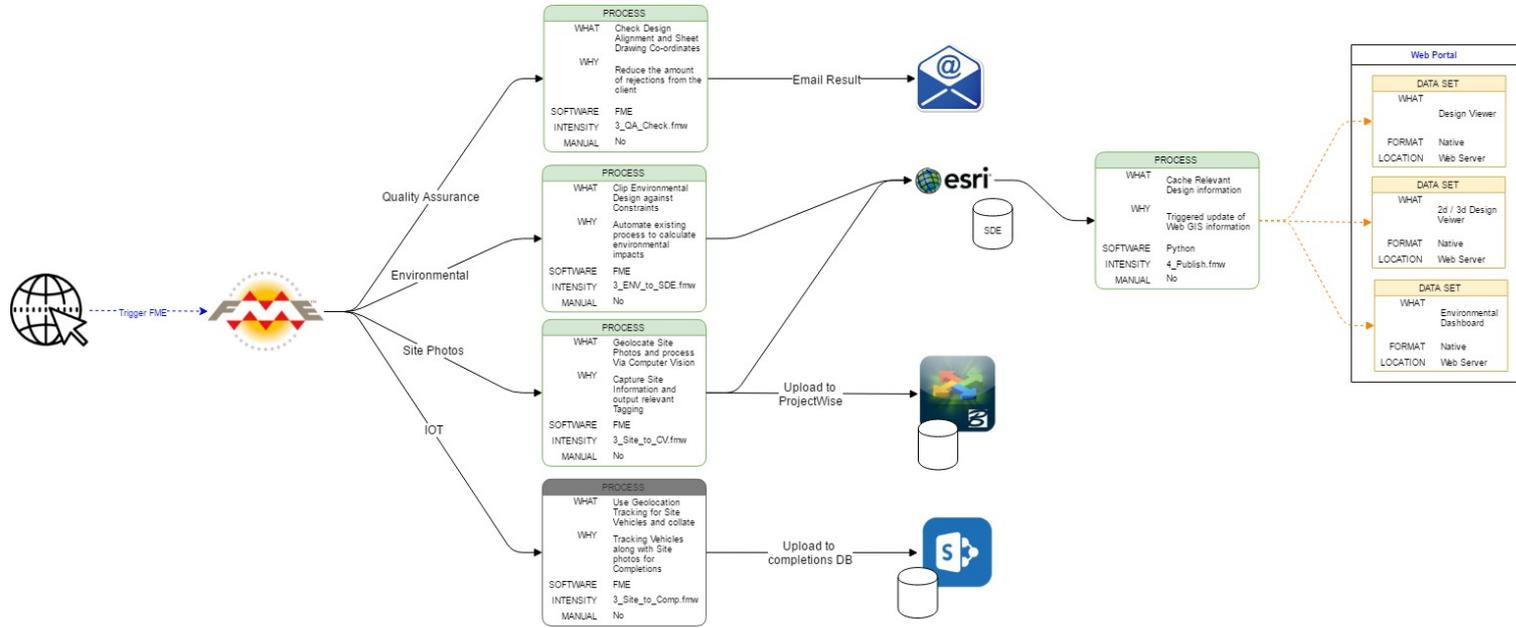
"Dynamic" Systems Architecture

Cool FME Stuff

In no particular order *(Cause I'm Lazy)*

Spreadsheet Register

12da Reader & Writer


```
string super {
   name      "ED AU"
   chainage  4.22387594
   breakline line
   colour    white
   style     "ELEC Conduit"

   attributes {
      text   "string_no"   "E11"
   }
}
time_created "12-Dec-2013 00:48:43"
time_updated "12-Dec-2013 00:48:43"
closed 0
data_3d {
   334203.47992546 6251571.33167078 8.1939948
   334202.53039581 6251570.22597293 8.21981766
   334201.83305807 6251568.85963255 8.25107855
   334201.33181565 6251566.45991569 8.20691828
}
```

IFC to SDE

IFC to Trimble   SiteVision
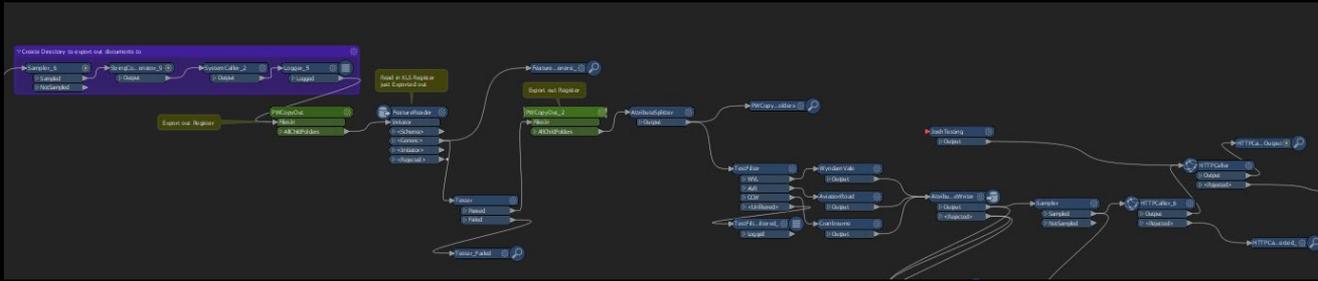
Environmental Clearance Dashboard

PoTree Builder

Stolen FME Tech!
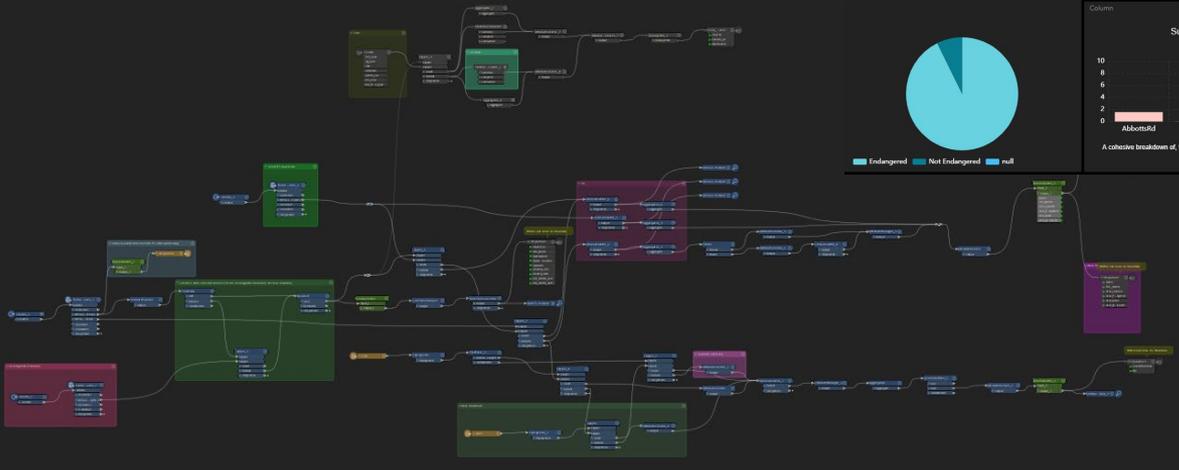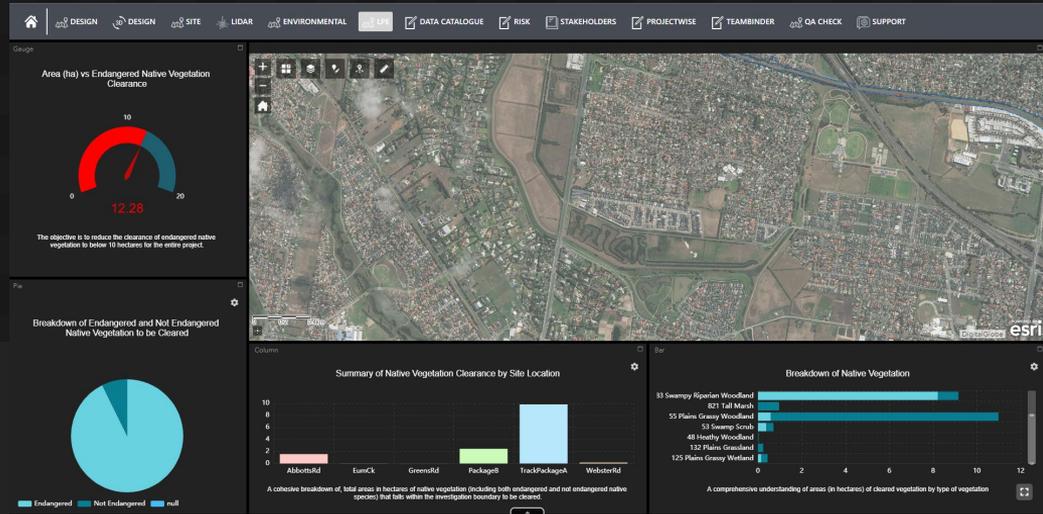
Drone Footage Processor

REGEX Layer Filtering

Stolen FME Tech!
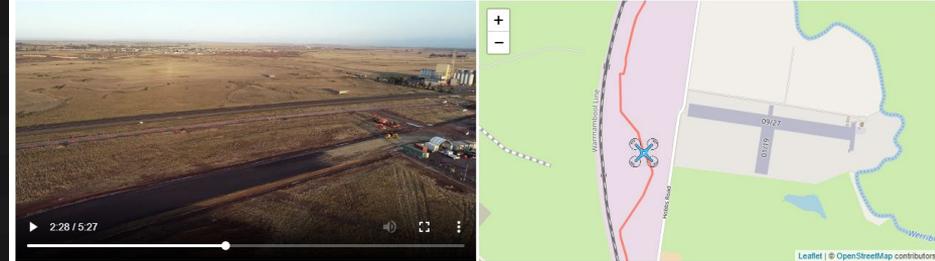
Metadata Updater
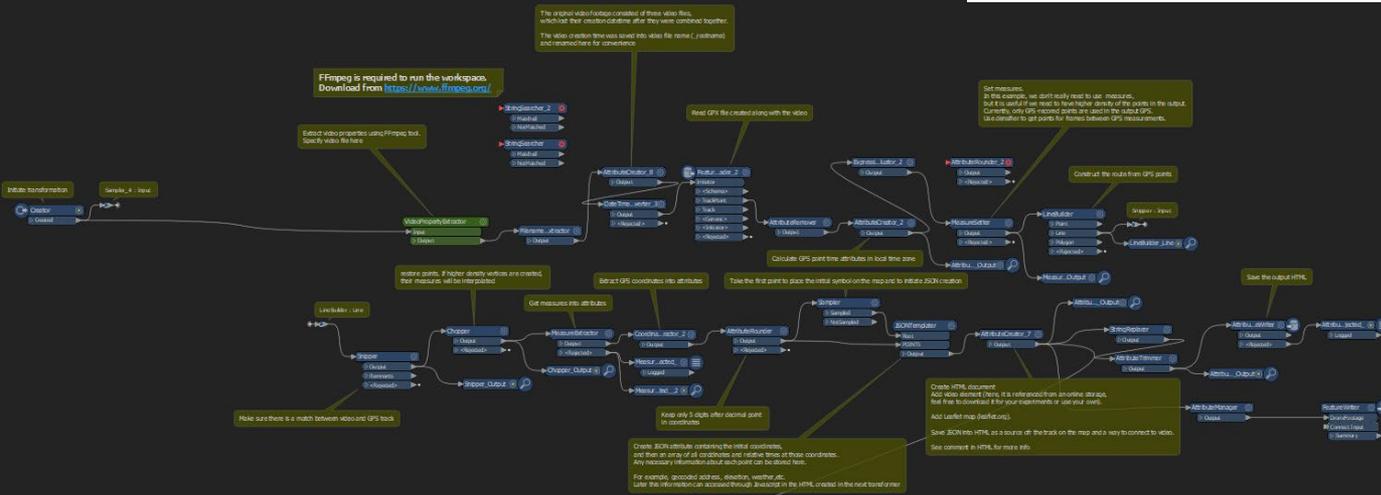
DE Metrics
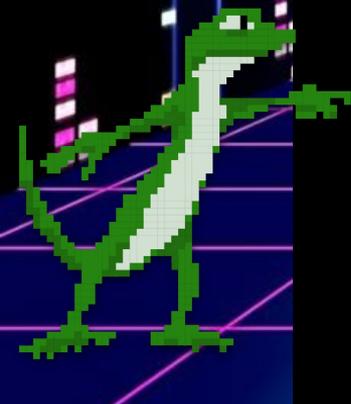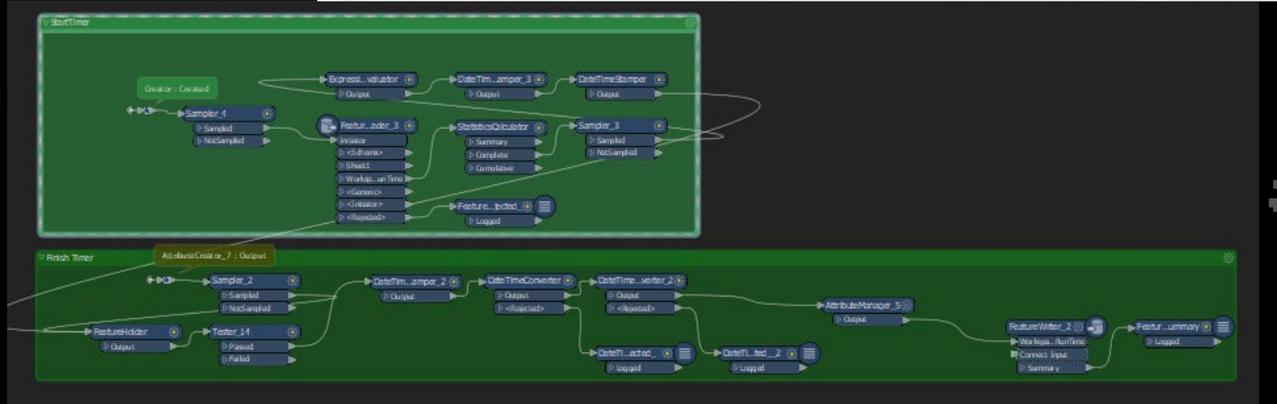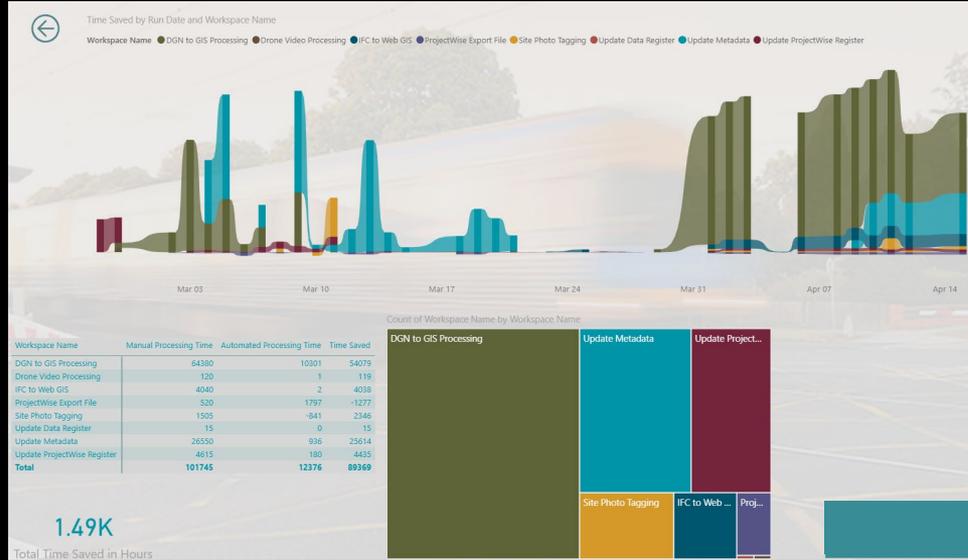
Next Steps

- Integration with IOT, for Site Analysis;

  - Automated As-Constructed,

  - Generation of As-Built BIM,
- Further Design Analysis;

  - Design model progression analysis,
- FME Trigger integration with MS Flow;
- Develop more integrations for other design packages;

  - MS Project,

  - Tuflow,
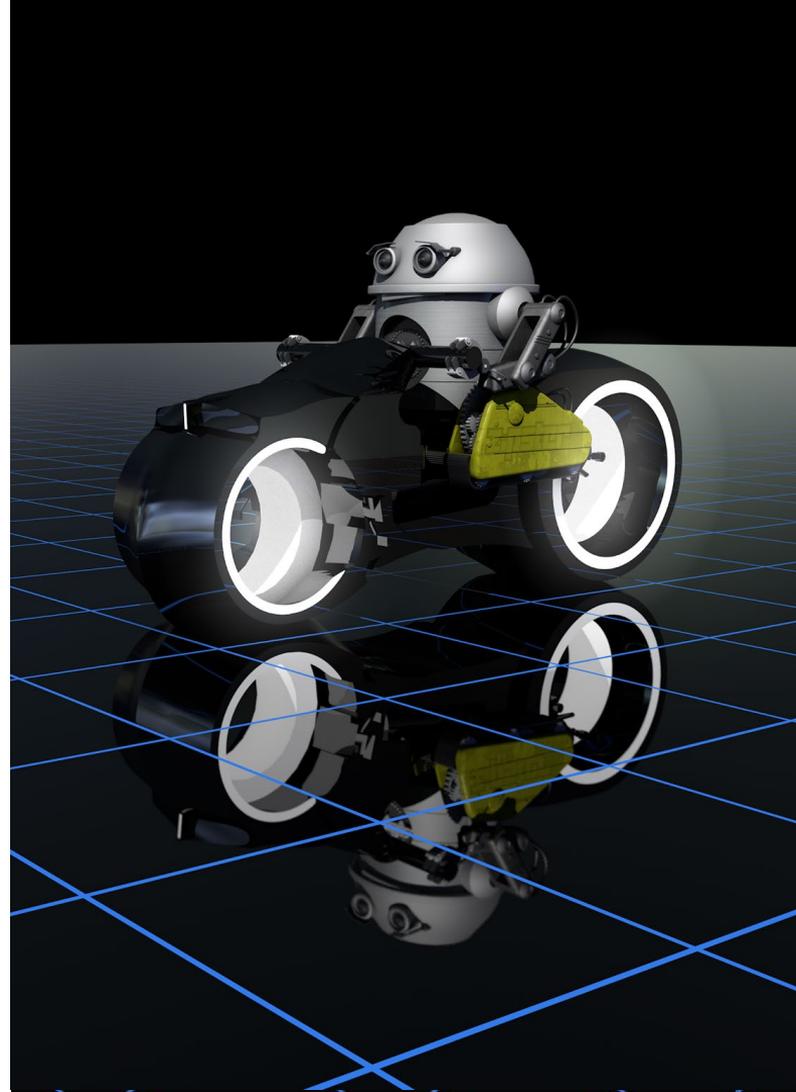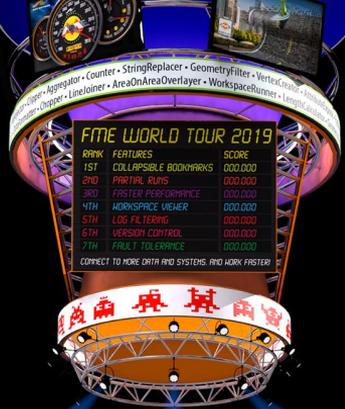
Conclusions

- FME is like a "Lazy Gender neutral persons" automation script,
- Check FME Hub for awesome templates regularly,
- Trying to automate further, Identify workflows and map them prior to building FME (for once)
- Not have been possible without FME, 2 people supporting 4 projects and 500 staff,
- Version Control is critical,
- Remote working is rubbish,

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RANK	FEATURES	SCORE
1ST	COLLAPSIBLE BOOKMARKS	000.000
2ND	PARTIAL RUNS	000.000
3RD	FASTER PERFORMANCE	000.000
4TH	WORKSPACE VIEWER	000.000
5TH	LOG FILTERING	000.000
6TH	VERSION CONTROL	000.000
7TH	FAULT TOLERANCE	000.000

CONNECT TO MORE DATA AND SYSTEMS. AND WORK FASTER!

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Heaps more cool stuff, but too
much to cram in!

THANK YOU!

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