Another System Definition Facility version 3.1

A traverse across the build

A monster hunt story

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Conclusion: respect acquired and lessons learned

The setting: ASDF

build system

- components
- operations

- action graph
- plan

• in-memory

Defining components

Modules

ASDF: summary

- component = system | module | file \$...
- a component *depends-on* other components
- operation = load-op | compile-op | ...
- operations propagate along the component DAG
- action = operation x component
- an action *depends-on* other actions
- action DAG ≠ component DAG
- plan = topologically sorted list of actions

Also in the extended article...

CL is Now an Acceptable Scripting Language

Why it rocks / sucks compared with C build tools

Innovations in ASDF 1 2 2.26 3 3.1

The Problem with Pathnames

Lessons in Software Design including Pitfalls

http://github.com/fare/asdf3-2013

Use it!

http://common-lisp.net/project/asdf/

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Any Questions?