Gmail

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Smoke testing of base utilities - GSoC '17

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https://wiki.freebsd.org/SummerOfCodeIdeas#Basic_smoke_test_of_all_base_utilities

When replacing major toolchain components, it's quite easy to subtlety break the startup code in layout or obscure-feature dependent ways. I'm looking absolute minimum validation of startup. If that's a real test great, but touching every non-contrib program would be a good start. This project idea was borne out of frustration with our extremely poor breadth of coverage while bringing up a new ABI out of tree.

On the automation front, I it to be possible to bin programs into ones that that have a --help or --version option (whose output we could verify), programs the might have a help or version option as -h, -v, or -?, and programs requiring manual intervention. Validating those binings is going to be a manual process.

Another approach the does actually test something would be to run utilities with every invalid short option and verify that they produce the expected results (usage, error, ???). That would at least encourage people to look at the test when adding options.

-- Brooks

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