

CLT Tools: odtrace

✓ Easy to run on C1

✓ Can filter by thread priority

✓ Good level of detail

~~Difficulties~~ are

~~x~~ Explicit list (may not be exhaustive)

x Inlining can remove functions making
them untraceable (false negatives*)

x May require code behaviour changes
to suit tool

~~Requires~~ disabling SIP

~~x~~Can lock-up machine

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CLI Tools: dtrace

- ✓ Easy to run on CI
- ✓ Can filter by thread priority
- ✓ Good level of detail
- ✗ Difficult to learn
- ✗ Explicit list (may not be exhaustive)
- ✗ Inlining can remove functions making them untraceable (false negatives*)
- ✗ May require code behaviour changes to suit tool
- ✗ Requires disabling SIP
- ✗ Can lock-up machine

	GUI (System Trace)	cli (dtrace)			
Easy to use?	✅/⚠️	⚠️			
Clear?	❌	✅			
🧵 Filterable?	⚠️	⚠️			
CI?	❌	⚠️			
Portable?	❌	❌			
System calls?	✅	✅			
Malloc/free?	⚠️	✅			
Lock/unlock?	✅	✅			
3rd party code?	✅	✅			
Notes	Different tools for different tasks	Requires disabling SIP			