MemorySSA in 5 minutes

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What is MemorySSA?

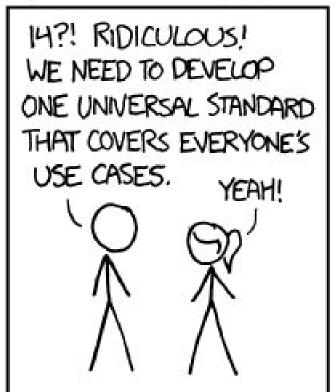
How is MemorySSA formed?

- MemoryUse
- MemoryDef
- MemoryPhi

So it's kind of like a Memory Dependence Analysis?

HOW STANDARDS PROLIFERATE: (SEE: A/C CHARGERS, CHARACTER ENCODINGS, INSTANT MESSAGING, ETC.)

SITUATION: THERE ARE 14 COMPETING STANDARDS.



S∞N:

SITUATION: THERE ARE 15 COMPETING STANDARDS.

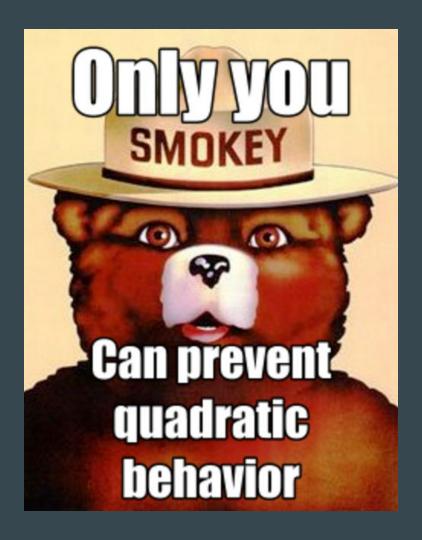
What makes MSSA better?

We have users!

- GVNHoist
- EarlyCSE
- Others in the works

More info

http://llvm.org/docs/MemorySSA.html



Thank you!