Ammonite: Succinct Scala Shell Scripting

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Intro, Slides And Code

- Slides: https://github.com/medale/prez-ammonite-scala-shell/blob/master/presentation/AmmoniteShell.pdf
- Code Examples: https://github.com/medale/prez-ammonite-scala-shell/code

Shell Scripting

Bash Syntax

Bash vs. Scala

Bash vs. Ammonite

Scala Shell vs. Ammonite Shell

Installing Ammonite

- Prerequisite: Java 8 JDK, e.g. Azul Zulu Community Java 8
- Download 1.7.4 (2.12 or 2.13) binary from
  https://github.com/lihaoyi/Ammonite/releases
- Add as amm to your path
  - 1.6.7. last 2.11 version (if you are running older version of Spark...)
  - Can install multiple versions locally

```
cd ~/bin
ln -s amm212 amm
ls -l
amm -> amm212
amm211
amm212
```

Other ways of installing Ammonite

- From ammonite.io via curl

```
sudo sh -c '(echo "#!/usr/bin/env sh" && curl -L \
↪  https://github.com/lihaoyi/Ammonite/releases/download/1.7.4/2.13-1.7.4) >
↪  \
/usr/local/bin/amm && chmod +x /usr/local/bin/amm' && amm
```

- On Mac: `brew install ammonite-repl`
- Windows:

  `https://github.com/lihaoyi/Ammonite/issues/119`

Configuring the shell ~/.ammonite/predef.sc

- Ammonite source: https://github.com/lihaoyi/Ammonite
- `shell/src/main/resources/ammonite/shell/example-predef.sc`

```
interp.load.ivy(
  "com.lihaoyi" %
  s"ammonite-shell_${scala.util.Properties.versionNumberString}" %
  ammonite.Constants.version
)
@
val shellSession = ammonite.shell.ShellSession()
import shellSession._
import ammonite.ops._
import ammonite.shell._
ammonite.shell.Configure(interp, repl, wd)
```

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- Screening saves lives!
  - Colonoscopy - talk to your doc
  - Dave Barry: A journey into my colon — and yours
- Colorectal Cancer Alliance
- Ora Lee Smith Cancer Research Foundation

Running Ammonite with extra memory

```
JAVA_OPTS=-Xmx10g; amm211
```

Questions?

- medale@asymmetrik.com
- https://github.com/medale/prez-ammonite-scala-shell/blob/master/presentation/AmmoniteShell.pdf

Resources

- Ammonite Shell
- Vector graphics for this presentation