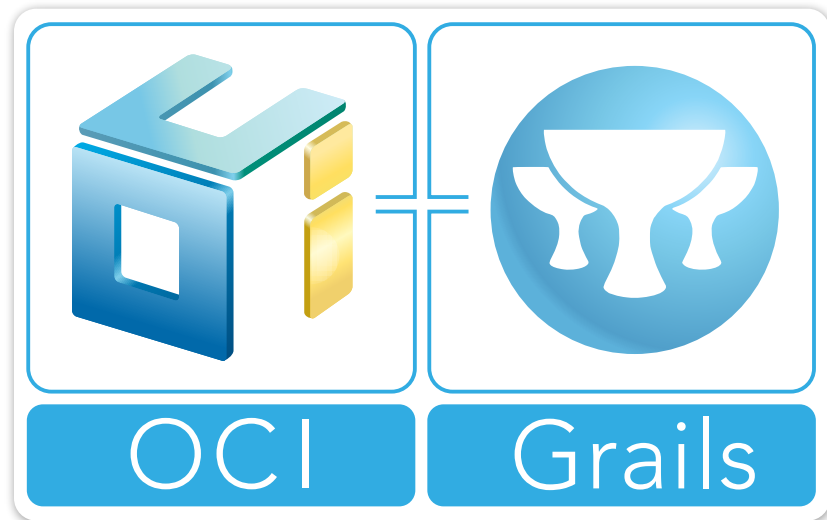


COMPILE TIME METAPROGRAMMING WITH GROOVY

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More at ociweb.com/grails

Who is OCI

- We are Software Engineers
 - St. Louis HQ w/global delivery
 - 140+ engineers (30% w/Ph.d or Masters)
 - Average engineer experience >23yrs
 - Open Source/Standard focused since 1994
 - Developed and support 12 Free and Open Source Software (FOSS) Projects
 - Robust Engineer Training Capabilities & Catalog
 - Secret & Top Secret Security Clearances

Open Source Technologies



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Spring 2015, OCI is now home to



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Metaprogramming

- What Is Metaprogramming
 - programs that modify programs
- Groovy Supports Runtime Metaprogramming
 - MOP
 - MetaClass
 - etc...
- Groovy Supports Compile Time Metaprogramming
 - AST Transformations



AST Transformations In Grails

- Grails Applies Many Compile Time Transformations To Application Artifacts
 - controller methods
 - controller exception handling
 - command objects
 - bindable
 - GORM



Compile Time Transformations

- Groovy Provides A Bunch Of Transformations
 - @Delegate
 - @Immutable
 - @PackageScope
 - @Singleton
 - etc...



THANK YOU!

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