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# INTRODUCTION TO GORM 6.1





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SOFTWARE  
ENGINEERS.

# Agenda

- GORM Introduction
- Tour of What is new in GORM 6.1
- Demos!



# GORM Introduction

- Persistence layer used by Grails
  - But, usable outside of Grails too
- Object mapping library with support for SQL, MongoDB, Neo4j, Cassandra and more
- <http://gorm.grails.org>



# GORM Source Code

- <https://github.com/grails/grails-data-mapping>
- Import with IntelliJ
- Build with Gradle



# GORM 6.1

- Common AST Transforms
- Commons Services
- GORM Data Services Concept
- Package Scanning
- Improved Mapping DSL
- Bean Validation API Support



HIBERNATE



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# What's new for Hibernate?

- JPA Annotation Support
- Automatic escaping for HQL and SQL queries passed as GStrings
- @Query and GORM Data Services
- Hibernate AST Transforms
- Hibernate 5.2+ Support





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# Demo - Hibernate



# What's new for MongoDB?

- Decimal128 Support
- More Native Queries
- Bean Validation API Support
- GORM Data Services





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# Demo - MongoDB

# What's new for Neo4j?

- Relationship entities
- Query supports for paths, relationships and more
- @Cypher with GORM Data Services
- Assigned Identifiers
- Batch updates with UNWIND





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# Demo - Neo4j

# What's Coming in GORM 7.0?

- Move to Java 8 - add support for Streams
- Drop support for Grails 2.x and Hibernate versions less than 5.2
- Migrate foundation from Hibernate Criteria API to JPA Criteria API
- Data Services for REST



**HIBERNATE**



**cassandra**



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# Q & A



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# Thank You!

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