

# Calling Java from Groovy

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# Groovy with Java Libraries

Groovy works with  
existing Java libraries

Including popular  
libraries such as  
**Google Guava** or  
**Apache Commons**

Or your own  
**proprietary** libraries

# Grape

**Dependency  
management** for  
Groovy

**Natively supported**  
in the Groovy  
language

Built on **Ivy**

# Ivy

**Maven Repository-**  
**compatible**  
dependency  
management

Uses Maven  
coordinates for  
**dependency**  
**resolution**

Automatically **installs**  
these dependencies  
at **runtime**

# Joda-Time

An **alternative** to the standard Java date and time libraries

Supports **multiple** calendar systems

Includes **functionality** for easily working with date and times



# Summary

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- **Grape simplifies dependency management in Groovy**