



**MuleSource**

the open source choice for SOA infrastructure

**Thank you for joining! This webinar will  
begin at 9am PDT / noon EDT**



**MuleSource**

the open source choice for SOA infrastructure

# **Mule for ETL**

Dirk Olmes and Travis Carlson, MuleSource Core Developers

- ▶ Why Mule
- ▶ Use Cases
- ▶ Demo

## Why Mule?



- ▶ Mule already has a lot you need for ETL
  - Polling the database
  - Polling the filesystem
  - Transformers
  - Filters
  - Message splitters

- ▶ File to JDBC
  - Read a file
  - Split it into separate lines
  - Split each line into a Map
  - Insert each Map into the database
  
- ▶ JDBC to File
  - Run a query
  - Transform each result row to CSV
  - Write transformed rows to a file

- ▶ Input file format:
- ▶ NAME|COUNTRY
- ▶ FileToMapsTransformer
  - Read the file line by line
  - Split each line on the delimiter „|“
  - Build a map from each row
  - Return a list of maps
- ▶ Message splitter
  - Receives the list of maps
  - Creates a new Message from each map

- ▶ Fetch from database
- ▶ Each row from ResultSet will be a separate Mule Message
- ▶ MapToCsvTransformer
  - Create a CSV line from the map
- ▶ File endpoint stores to file

▶ Demo

# Thank You!



- ▶ Download Mule: <http://www.mulesource.com/download>
- ▶ Join the Community: <http://www.mulesource.org>
  - ▶ Email the Mule thread with any questions
  - ▶ Send us your use cases!
- ▶ Learn about the JDBC connector: <http://www.mulesource.org/display/MULE2USER/JDBC+Transport>