

# JCC LogMiner Loader

Re-thinking How It's Used

**Cheryl P. Jalbert**  
**Jeffrey S. Jalbert**

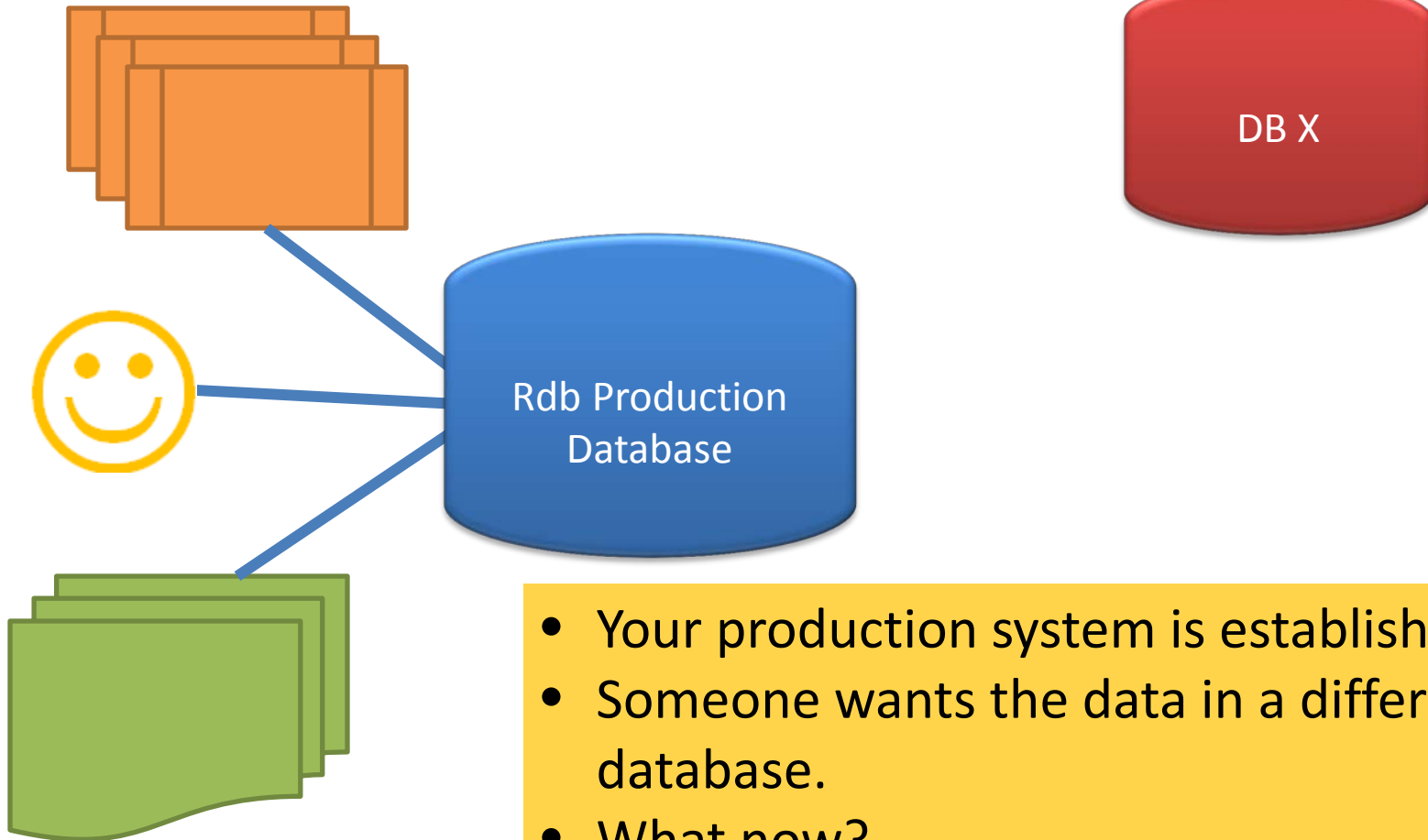


**Thomas H. Musson**  
**Keith W. Hare**

**JCC Consulting, Inc.**



# Your Production System



- Your production system is established.
- Someone wants the data in a different database.
- What now?



# Why Add DB X?

- Reporting
- Oracle Data Warehouse

or mapping software  
or a cool UI or ...

- Disperse data to remote locations (Scalability)

... or pull data together from different sources (application cohesion across platforms)

- Audit changes
- Archive
- Others ...



# Early Thoughts

- The Loader was first developed to be able to reorganize a critical database without significant downtime.
- The image we use on the web page to talk about the Loader focuses on access to data in an over-worked OLTP system.



*Is the path to your data swamped and  
in danger of going under?*



# The Dark Ages

- Under the gloom of the months after the HP announcement, the most oft discussed use of the Loader has been for Migration away from Rdb and VMS.
- JCC has been doing migrations from one platform to another – *without interfering with the ongoing work* – since the early '90's.
- We're good at it, but is it the correct answer?



# Rennnaissance

- As the Phoenix rises, we can again turn attention to strengthening what we have.
- How do we strengthen our OLTP Rdb systems?
  - Move reporting to a reporting database and tune it for reporting without requiring those indices on the OLTP system.
  - Disperse your database and application to scale it.
  - If you have other databases in your shop, add coherence by “rolling it up”.



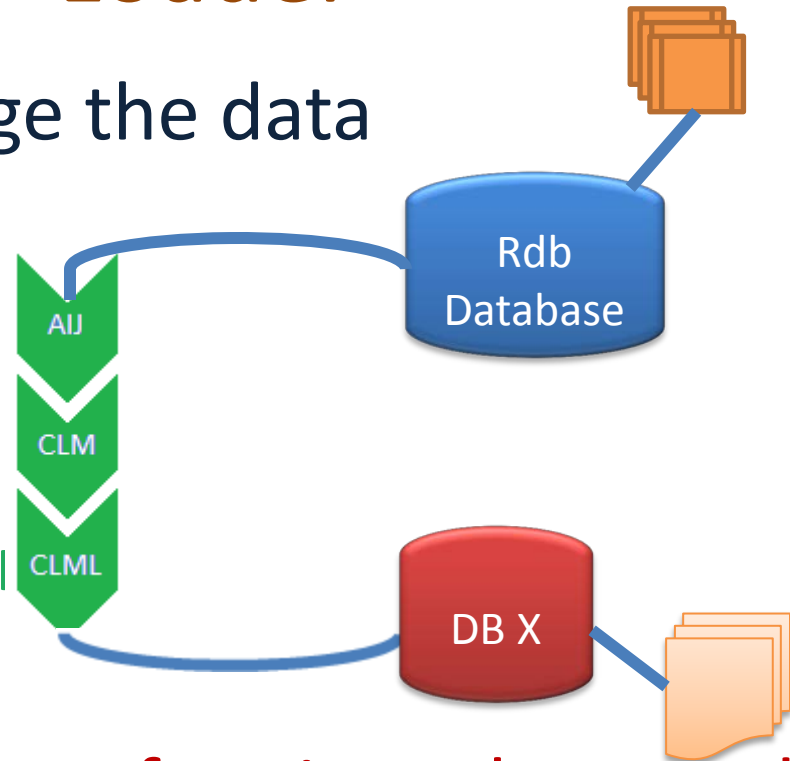
# More Celebration

- Yet more help for our reliable work horses
  - Develop specialized systems that you have been wanting with tools developed for the function.
    - Data warehouse
    - Mapping
  - Experiment without causing chaos.
    - What can you do with your data and more data and BIG data concepts?
    - See our follow up to a question posed at a Forum in Europe.



# Cast of Characters in Using the Loader

- Processes that change the data
- Rdb DB
- AIJ
- LogMiner
- JCC LogMiner Loader
- DB X
- UI, reports, and a host of options that need up-to-date data

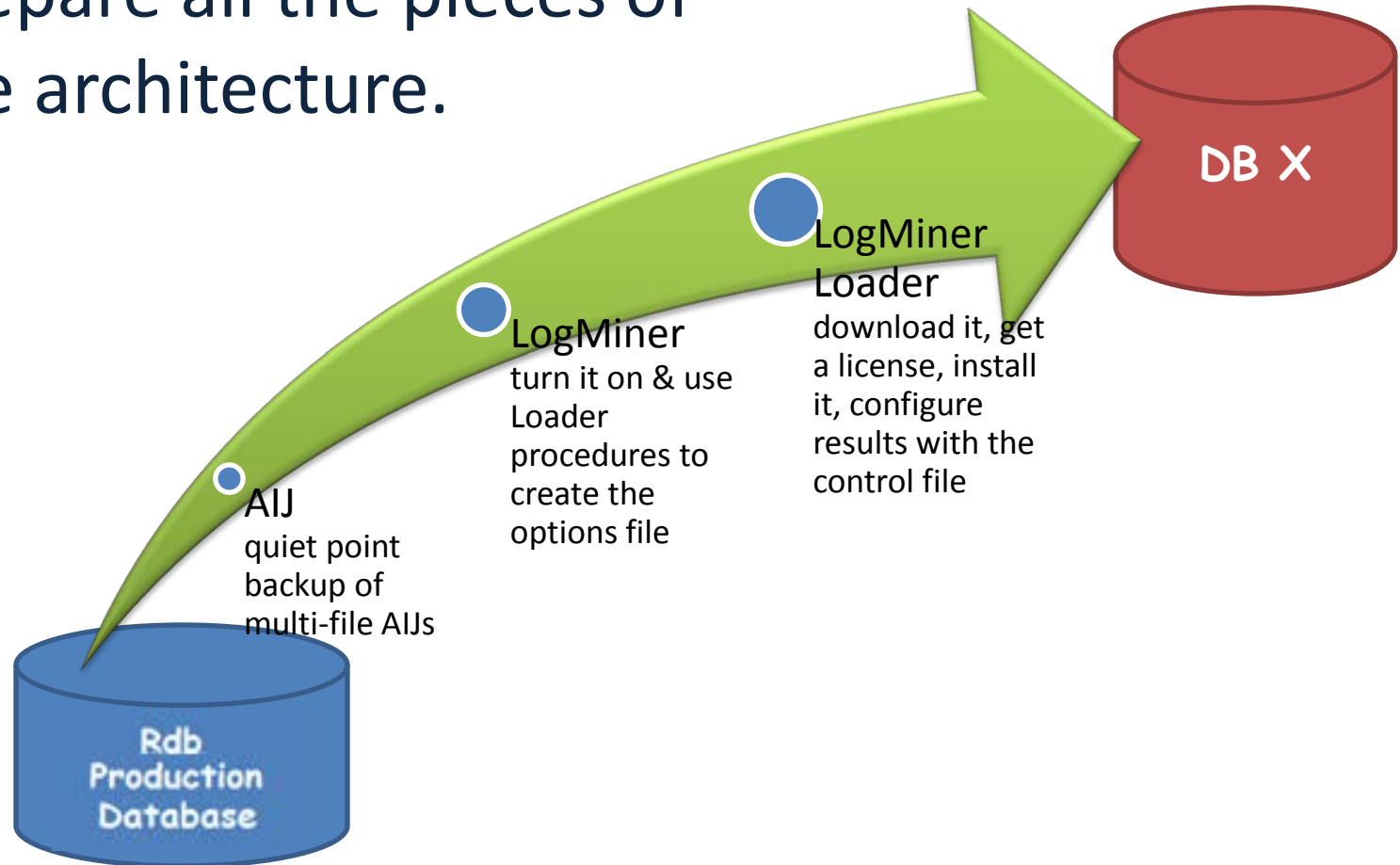






# Using the Loader

- Prepare all the pieces of the architecture.





# Then What?

- Keep your Target up-to-date with the data changes in your Source Rdb database.
- Physical database design may differ between the Source and the Target.
- What gets published to the Target can be a subset of what's updated in the Source and/or can include materialized data.
- The target can be Rdb or Oracle or other options including anything that has a JDBC driver.
- Updates to the target are transactionally consistent ... except when setting the target for BIG data.

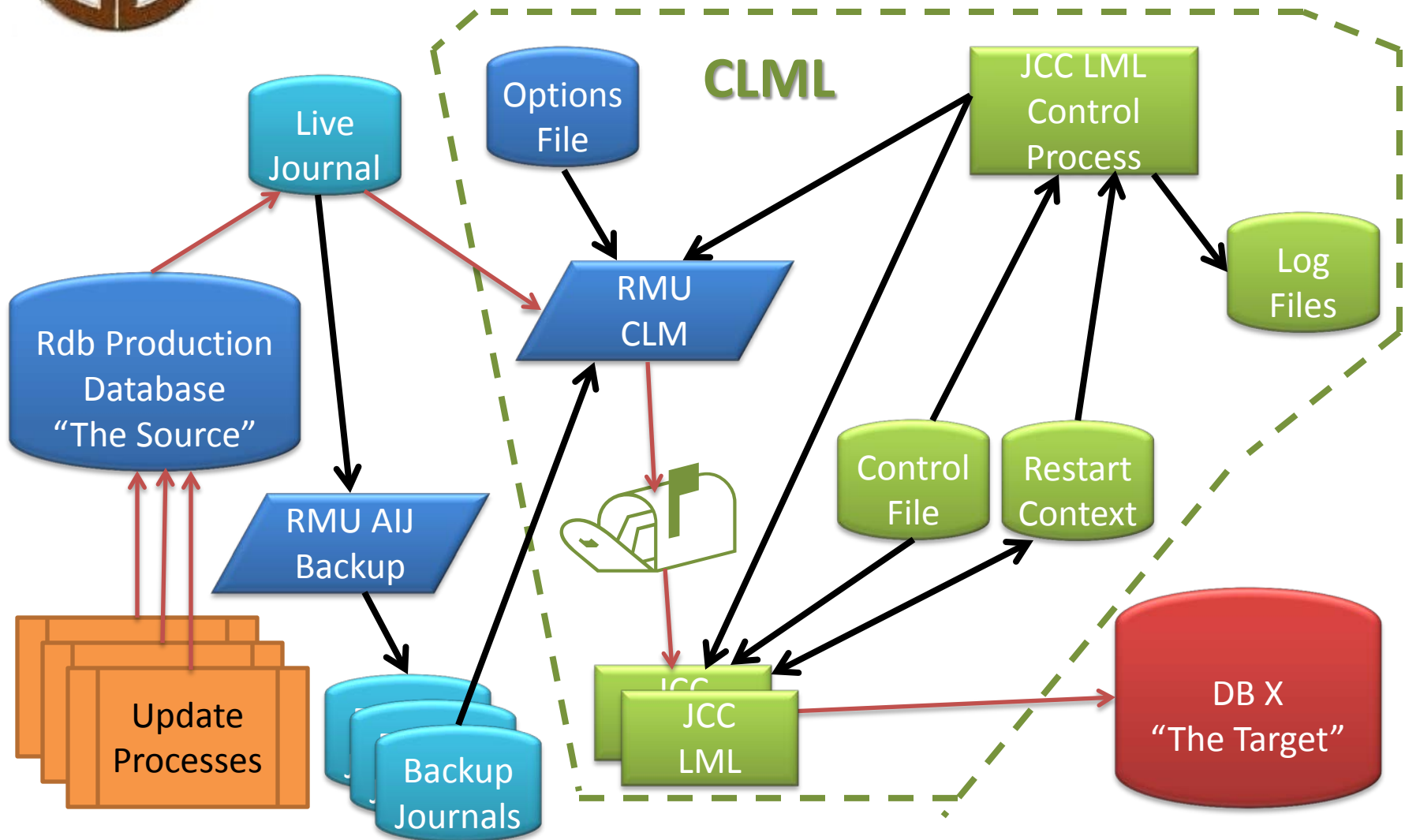


# Managing It All

- The Loader is fast and the impact on the Source database is small.
- The Loader monitoring support also provides a window on the overall architecture.
  - Target not committing fast enough?
- The Loader provides a mechanism for testing scalability of the overall architecture.
- Interruptions – even calamities – do not cause the Loader to lose data.
- The Loader manages the restart context and the log files for all of the Loader processes and for the LogMiner.
- The Loader can start in backed up AIJs and continue into the live AIJs.



# Continuously Updating the Data





# Ready?

- Download from the web page:  
<http://www.jcc.com/products/jcc-logminer-loader-and-data-pump>
  - Alpha and IPF installation kits
  - Complete Version 3.4.0 documentation
  - Release notes for Versions 3.4.0 – 3.4.4
- Previous JCC LML sessions are also available.
- Read tips on the blog  
<http://www.jcc.com/resources/jcc-blogs-menu/blog-jcc-logminer-loader-hints>
- You will need a license, but trial licenses are available.
- Have fun!
- Send us all your creative ideas on how to strengthen your Rdb based solutions using the Loader.



# Join the Conversation

Join the worldwide Rdb community. Send mail to

[OracleRdb-request@JCC.com](mailto:OracleRdb-request@JCC.com)  
with “SUBSCRIBE” in the  
body of the message.

