



# What's cooking

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# Outline

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Continued development of all products, including

- KNIME Analytics Platform
- KNIME Cloud Offerings
- KNIME Server & KNIME WebPortal
- KNIME Big Data Extensions

# KNIME Analytics Platform

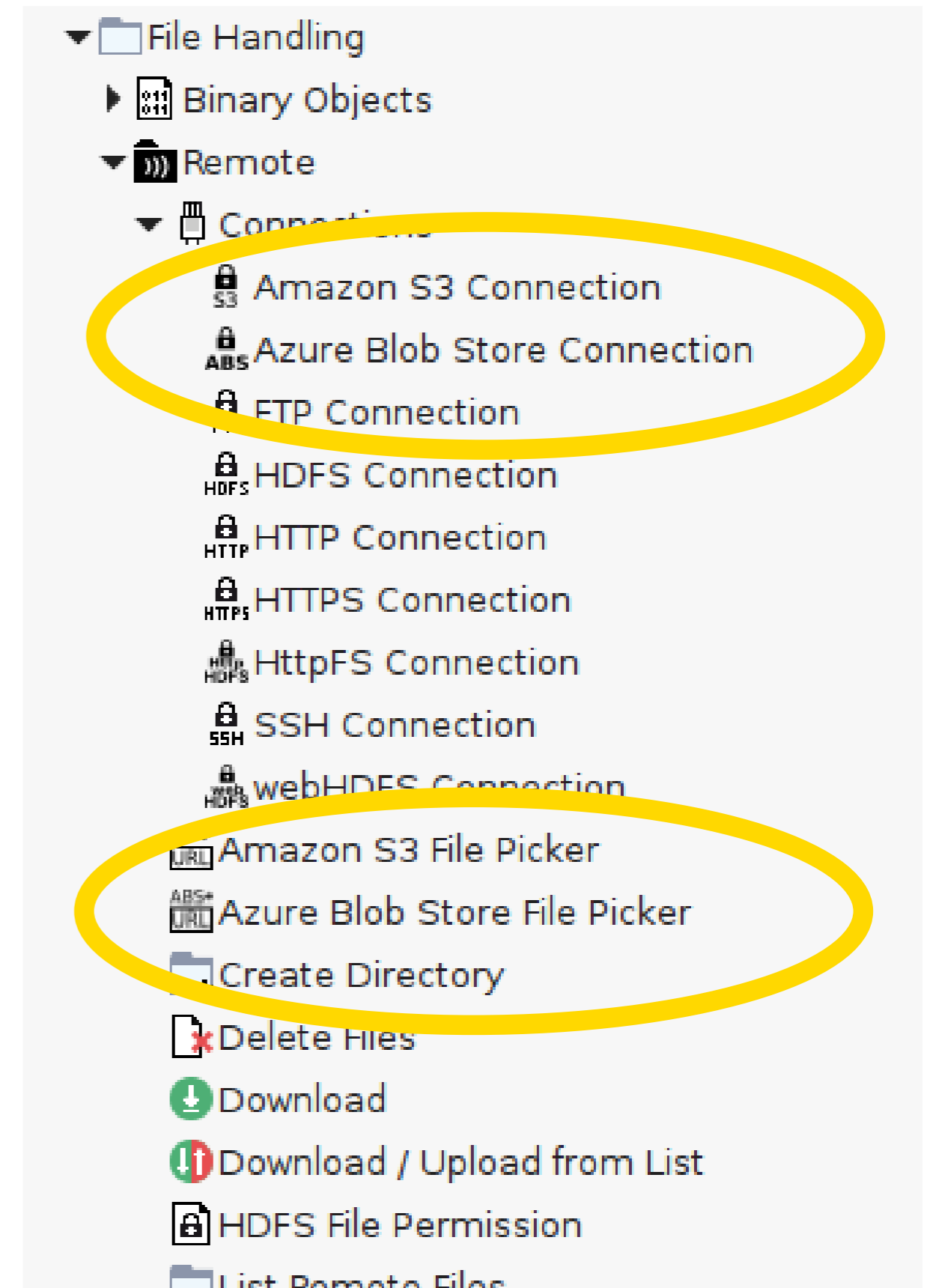
# KNIME Analytics Platform

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- Excel Integration:
  - Scalability
  - Flexibility
- Streaming
  - (Error) Handling
  - Improving Parallelization

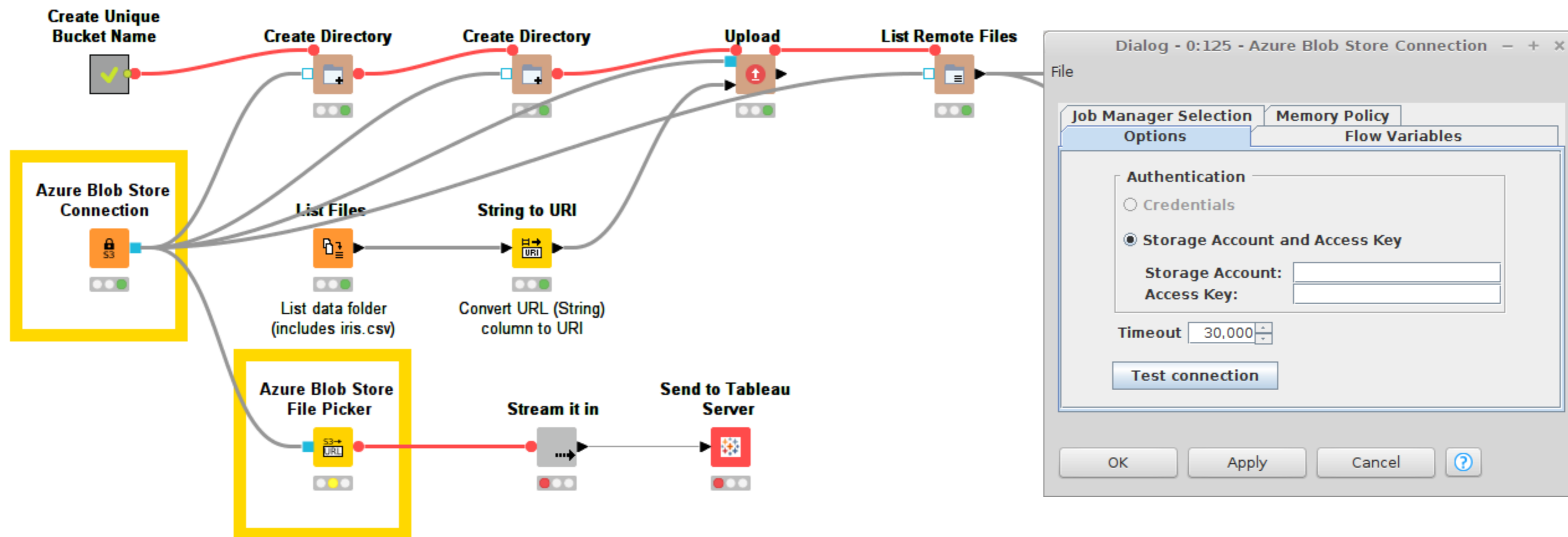
# KNIME Cloud Connectors

- Azure Blob Storage:  
Save (large) unstructured data  
in the cloud
- Connect through KNIME's file  
handling nodes
  - List
  - Upload/Download
  - Delete
  - URL access



# KNIME Cloud Connectors

- Beneficial if running ‘in the cloud’ (e.g. KNIME Cloud Analytics Platform):
- Take computation to the data



# KNIME Server & Cloud Offerings

# KNIME Cloud Offerings

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- KNIME Server on Amazon Marketplace
  - Easy to instantiate and maintain (thanks to admin page & easy license distribution)
- Connectors to Cloud Storages:
  - Azure Blob Storage, Azure SQL Database
  - Amazon S3, Redshift, ...



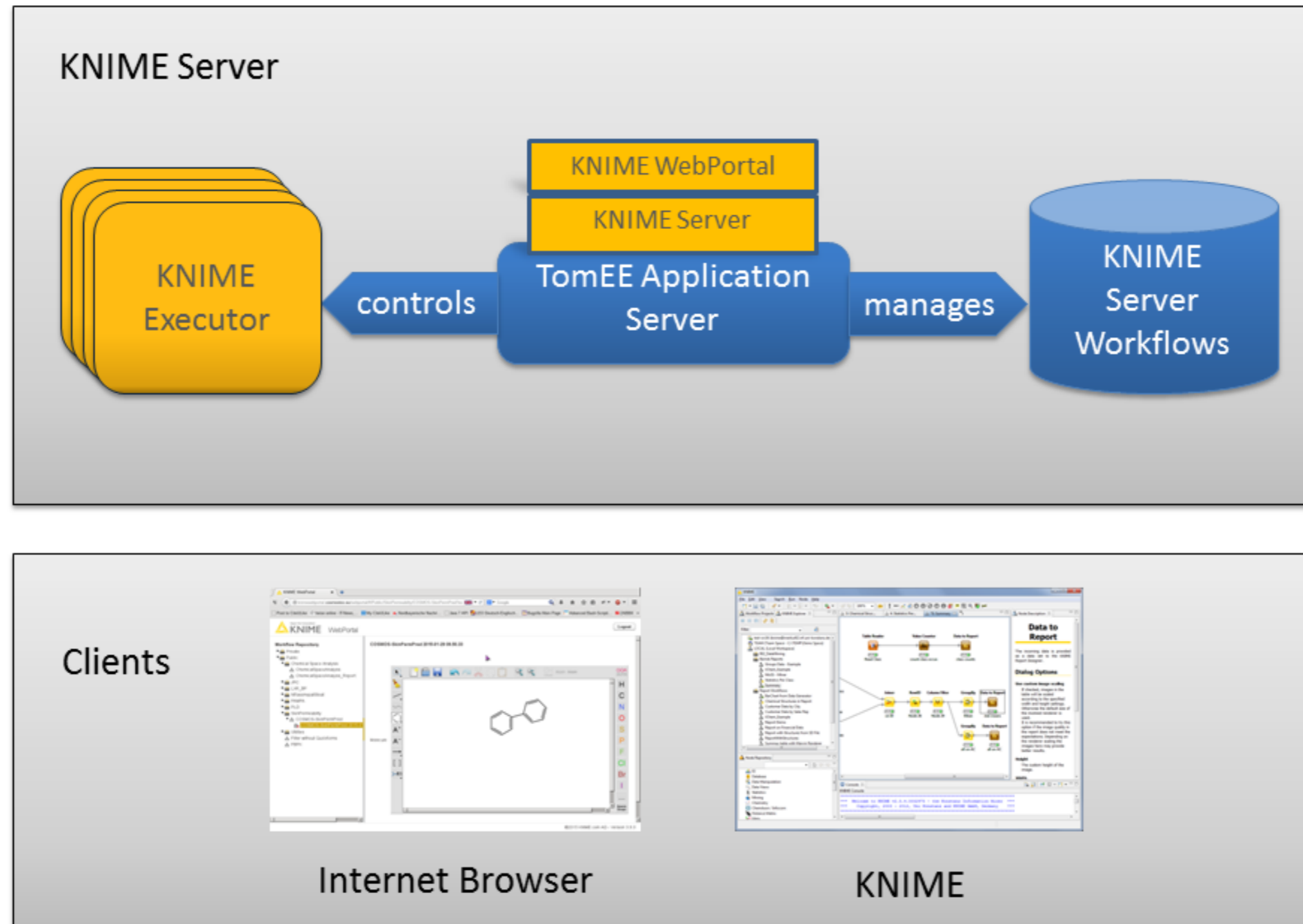
# KNIME Server

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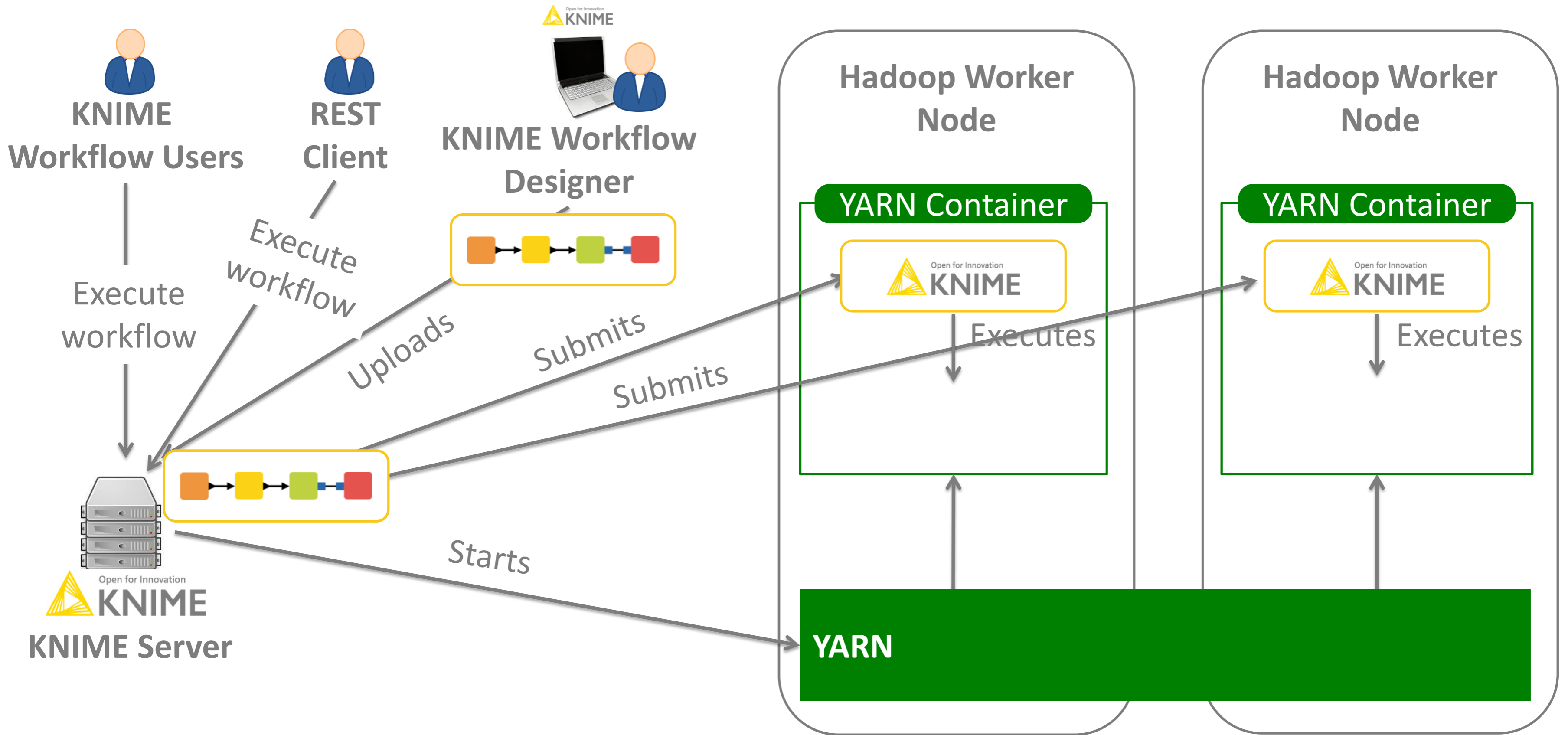
- REST Access: Entire API available as REST services
- Improve Admin Portal:
  - Monitoring
  - Usability
- Scalability: Distributed KNIME Executors

# KNIME Server: KNIME Executors

## Status Quo:



# KNIME Server: Distributed KNIME Executors



# KNIME Server: WebPortal

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- Single Sign-On (Kerberos based)
- Guided Analytics ... see later today:

Rosaria Silipo and Greg Landrum:  
**“Data Science for Everybody”**

# Database Integration and KNIME Big Data Extensions

# Database Integration

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- Improved ...
  - connection handling
  - schema support
  - database driver handling
  - type handling with support for arrays
  
- New node:
  - Table Creator with support for unique/primary keys



# KNIME Big Data Extensions

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## Big Data Connectors

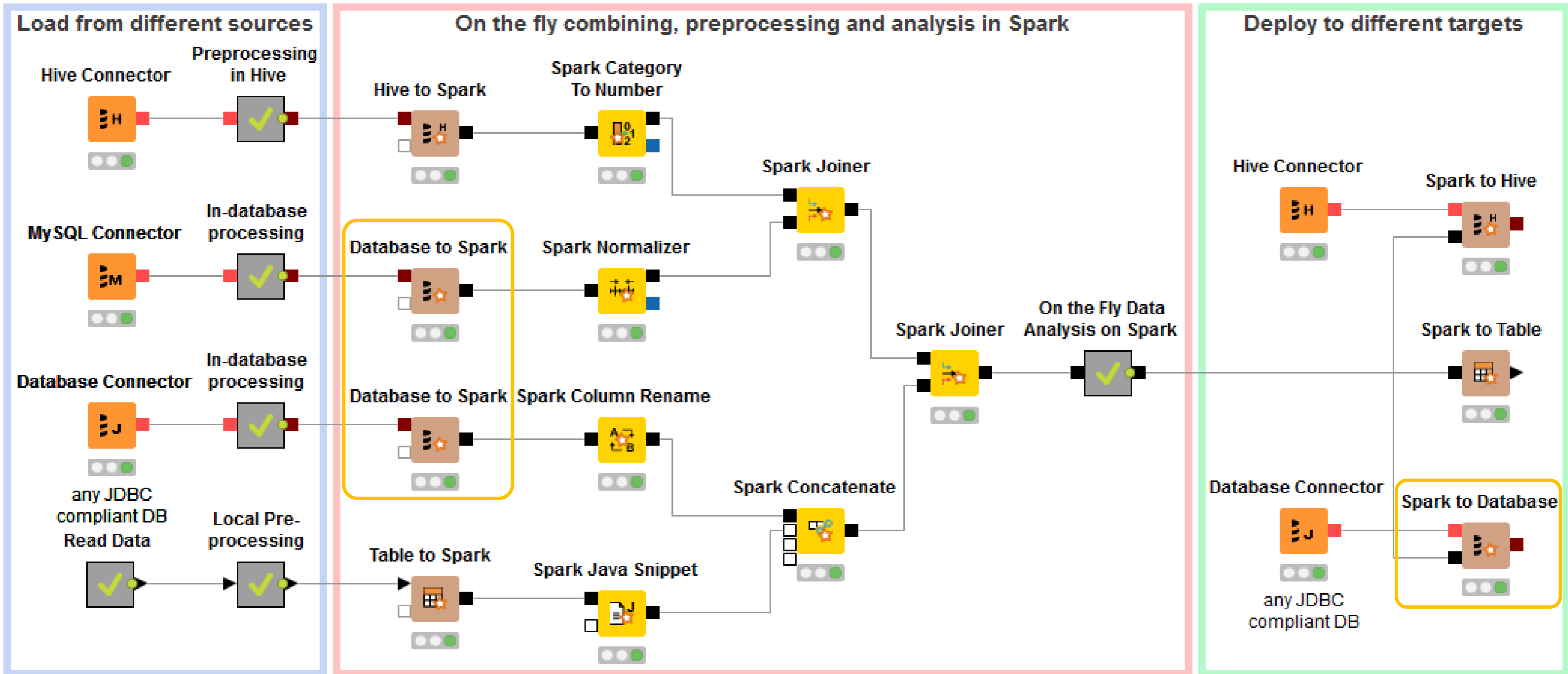
- Apache Phoenix Connector



## Spark Executor

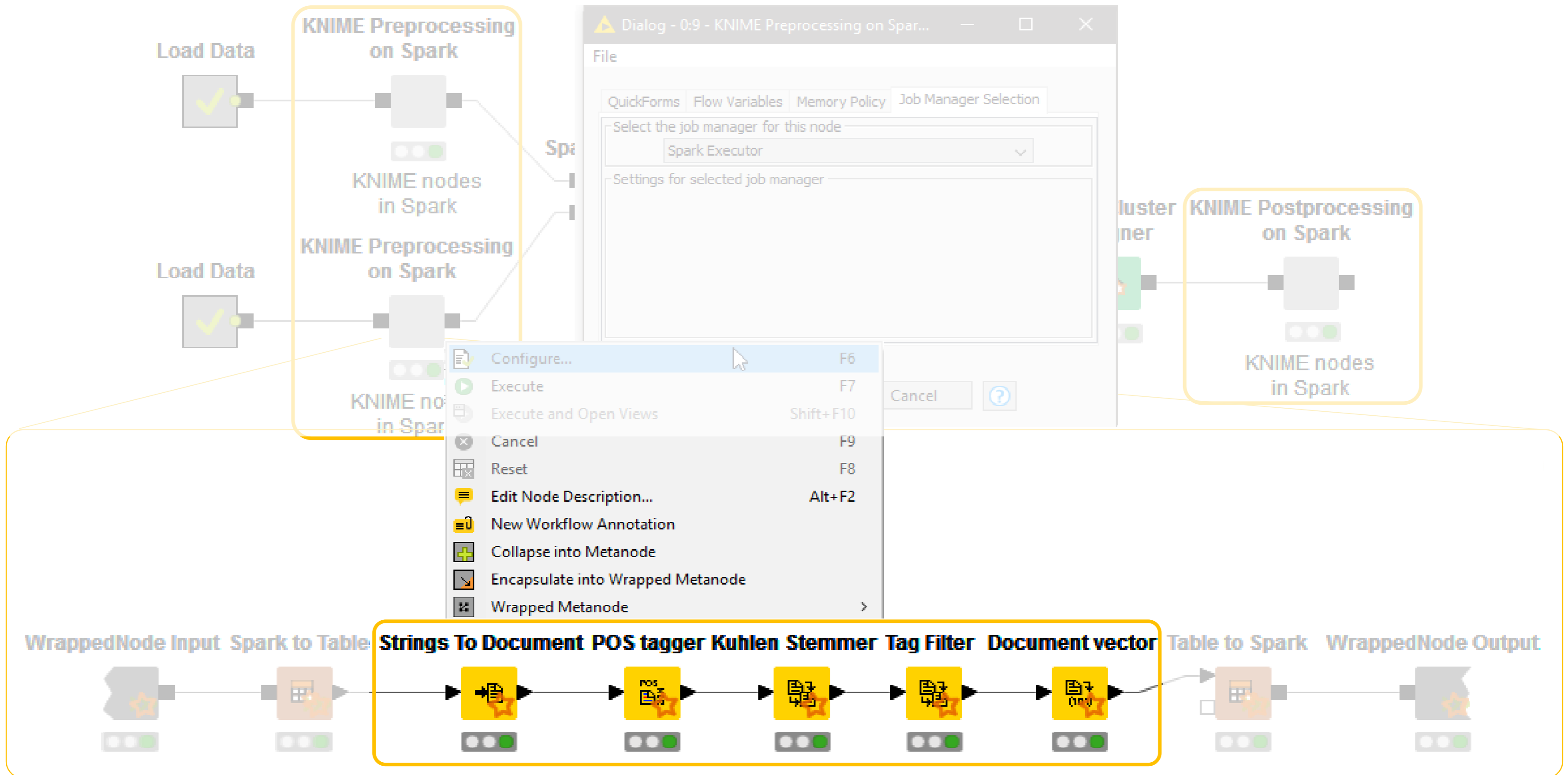
- Deep learning on Spark
- HDFS file reader/writer for various file formats
- Database to Spark/Spark to Database

# KNIME Spark Executor: Virtual Data Warehouse





# KNIME on Spark



# Summary

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- ... constantly improving, thanks also to our community & customers
- Need more information? Get in touch with us and see us at the booth

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