



KNIME Software

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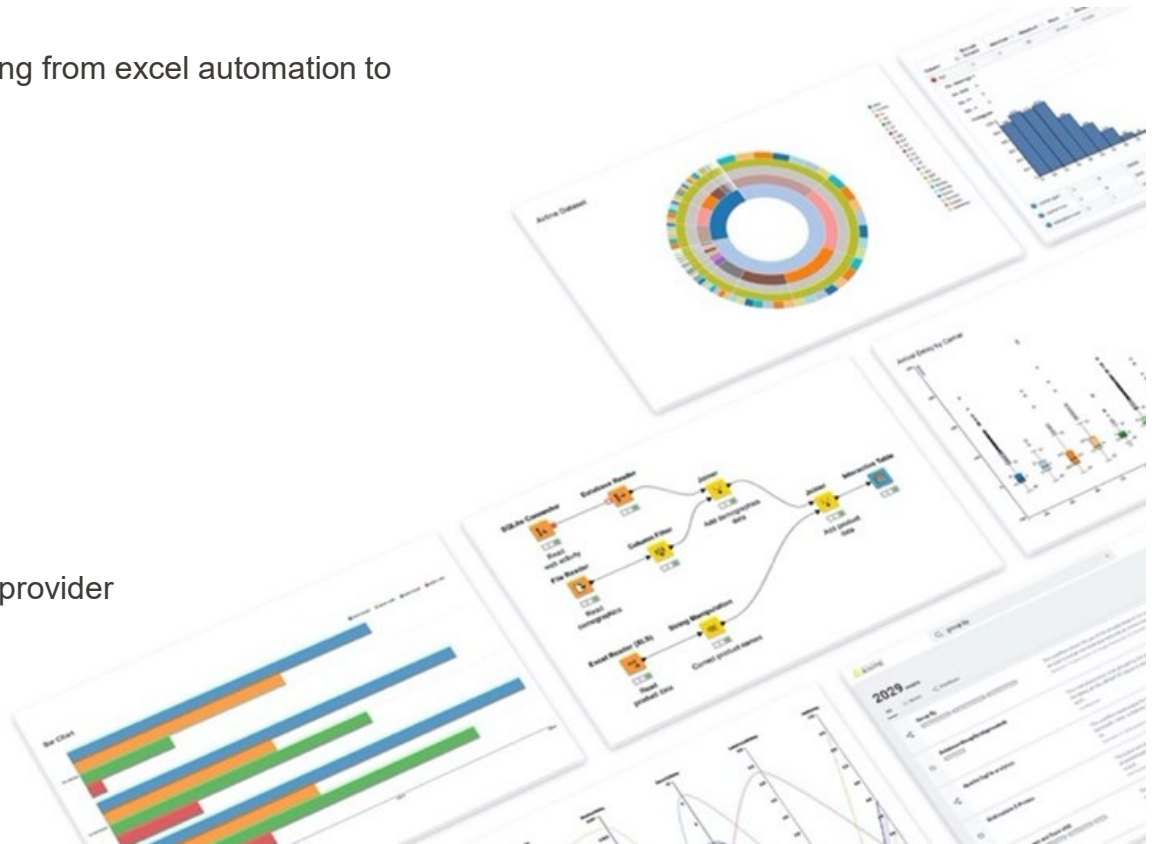
Overview

What is KNIME Software?

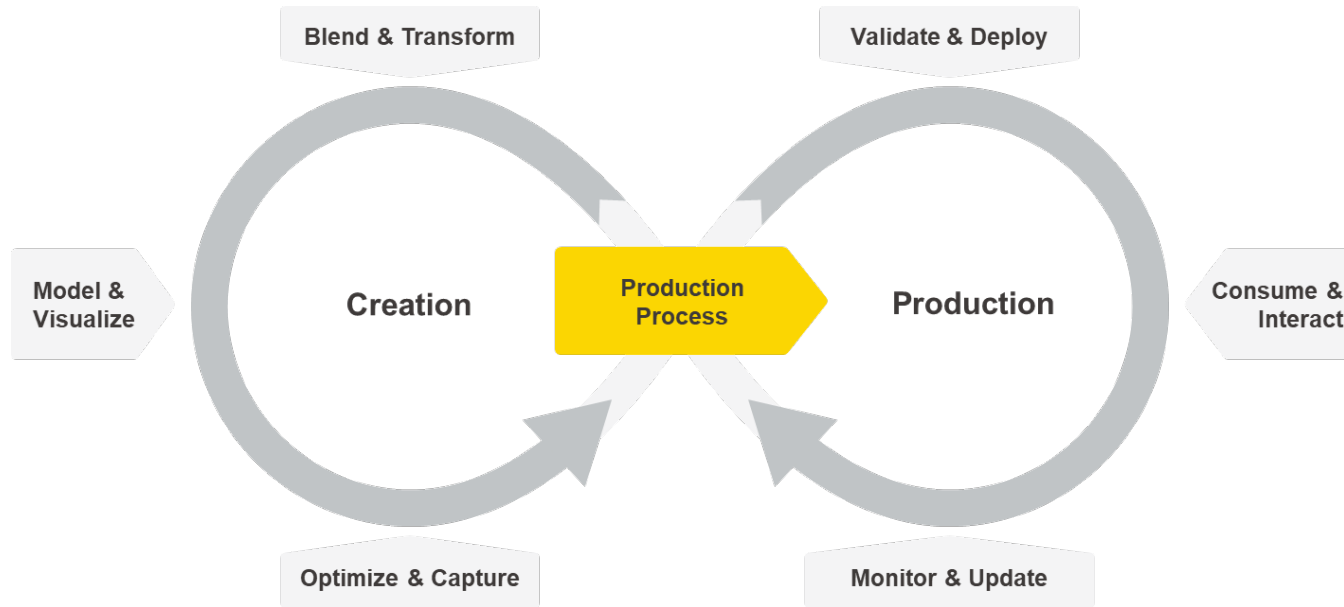
- Fast and intuitive software for everything from excel automation to advanced data science.
- No code, drag and drop interface.
- Mix and match technologies

Who is KNIME?

- Offices in Europe and USA
- Well funded and sustainable software provider
- Global Partner Network
- KNIME Community



KNIME Software for the Entire Data Science Life Cycle



KNIME Analytics Platform

KNIME Extensions

KNIME Integrations

Community Extensions

Partner Extensions

KNIME Server

Team Collaboration

End User Applications

API Services

Managed Execution

Across industries and use cases

- Verticals such as
 - Financial Services – e.g. Banking, Insurance
 - Life Sciences – e.g. Chemistry, Bioinformatics
 - Manufacturing – e.g. High Tech, Auto
 - Telecommunications
 - Government
 - Energy
 - Retail/CPG
 - Etc.
- Use Cases
 - ‘Citizen Data Scientist’ enablement
 - Spreadsheet and ETL automation
 - FP&A and Audit
 - Fraud Prevention
 - Predictive Maintenance
 - Quality Control
 - Sales & Marketing
 - And many many more...

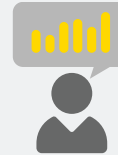
One Ecosystem - Many Roles



Analytics Lead
Deliver Value



Data Engineers
Data Scientists
“Code First” Users



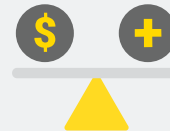
Business Analyst
Interactive User
Information Consumer



Model / ML Operations



IT Operations
Scalability and control
Centralized resources / strategies
Security



Compliance
Financial / risk oversight
Costs allocation
Governance, traceability, GDPR

Intuitive Visual Programming for Data Science

The screenshot displays the KNIME software interface. On the left, the 'KNIME Explorer' shows a project structure with 'Demo Workflow' selected. Below it, the 'Workflow Coach' lists recommended nodes such as 'GroupBy' (12%), 'Column Rename', and 'Row Filter'. The 'Node Repository' at the bottom left shows a search for 'number to' with results like 'Number To String' and '2>S Number to String (PMML)'. The central workspace shows a workflow with four nodes: 'File Reader' (Node 1), 'Excel Reader (XLS)' (Node 2), 'Joiner' (Node 3), and 'Number To String' (Node 4). Arrows indicate data flow from Node 1 and Node 2 into Node 3, and from Node 3 into Node 4. On the right, a 'Description' panel for the 'Joiner' node provides detailed information. It explains that the node joins two tables in a database-like way based on joining columns. It lists 'Dialog Options' and 'Joiner settings', including 'Join mode' (Left Outer Join, Right Outer Join, Full Outer Join) and 'Joining columns'. The 'Joining columns' section explains how to select columns from the top and bottom inputs and how to match them.

Joiner

This node joins two tables in a database-like way. The join is based on the joining columns of both tables.

Dialog Options

Joiner settings

Join mode

If a row from the top table cannot be joined with a row from the bottom table (and vice versa) there are several options of handling this situation. After an **Inner Join** only matching rows will show up in the output table. A **Left Outer Join** will fill up the columns that come from the bottom table with missing values if no matching row exists in the bottom table. Likewise, a **Right Outer Join** will fill up the columns from the top table with missing values if no matching row in the top table exists. A **Full Outer Join** will fill up columns from both the top and bottom table with missing values if a row cannot be joined.

Joining columns

Select the columns from the top input ('left table') and the bottom input ('right table') that should be used for joining. You may select a real column or the table's row ID here. You must make sure, that the type of selected columns matches. The row IDs are interpreted as StringCells.

Match all of the following: A row of the top input table and a row of the bottom input table match if they match in all specified column pairs.

Match any of the following: A row of the top

Visual KNIME Workflows

Nodes

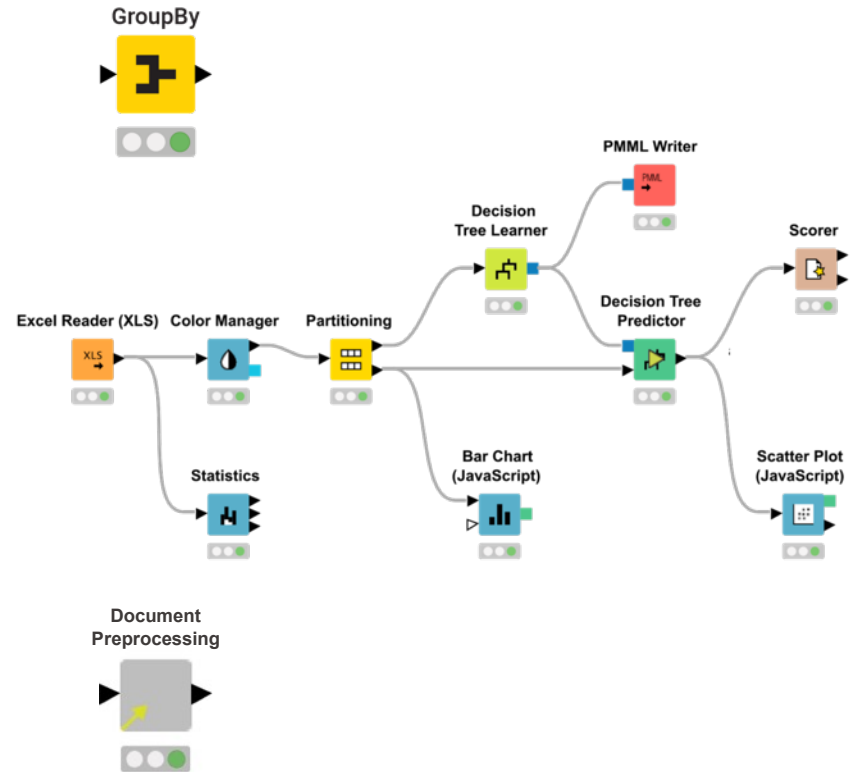
perform tasks on data

Workflows

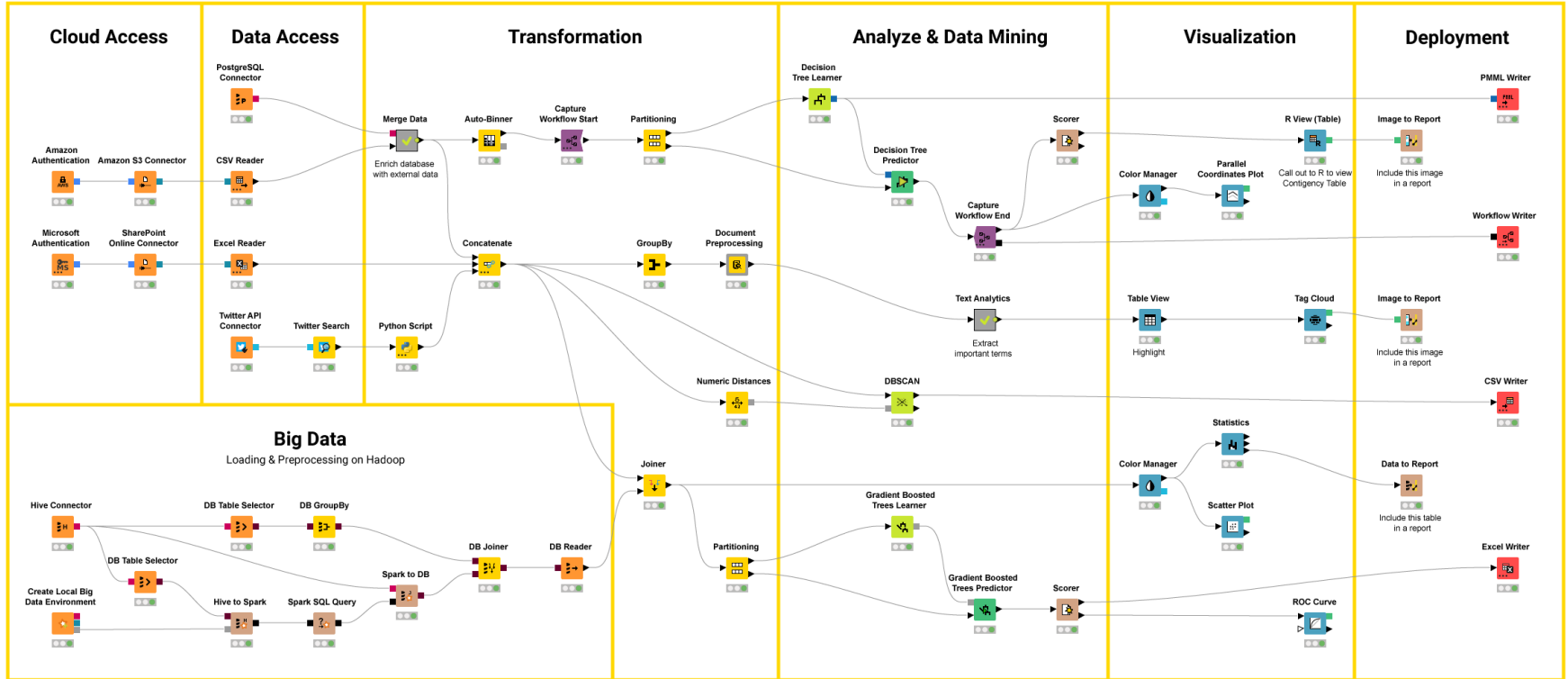
combine nodes to model data flow

Components

encapsulate complexity & expertise



Covering all Stages of the Data Science Life Cycle



250,000 Global Members Actively Contributing to KNIME Hub

- Explore an ever-growing database of KNIME nodes, components, workflows and extensions built by our open community and partners
- Drag and drop any workflows or components right into your workbench to explore KNIME's capabilities.
- Learn from 100s of real-world use-cases, from 11+ years of development

Welcome to the KNIME Hub

Solutions for data science: find workflows, nodes and components, and collaborate in spaces.

🔍 Search workflows, nodes and more...

3 998

Nodes

465

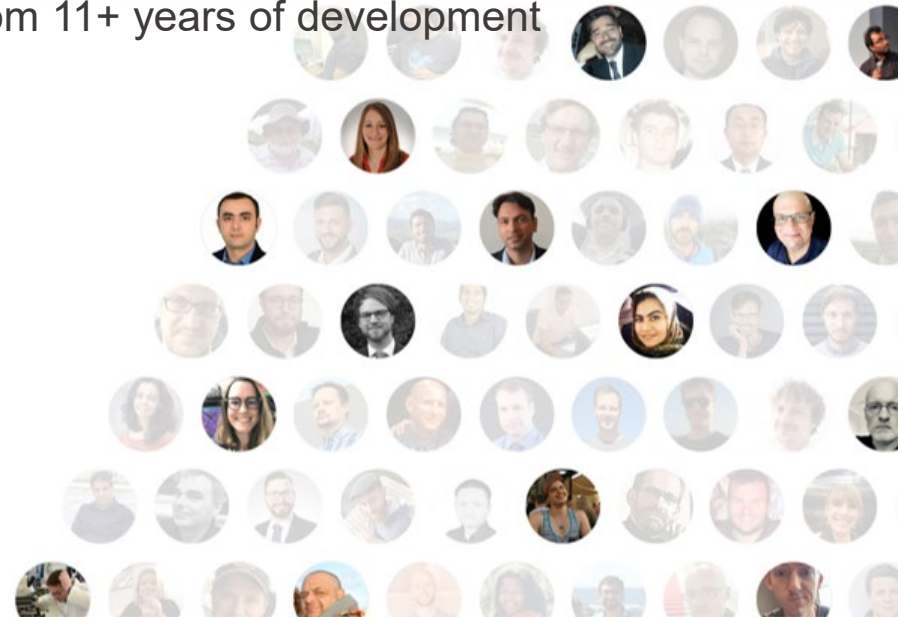
Components

4 195

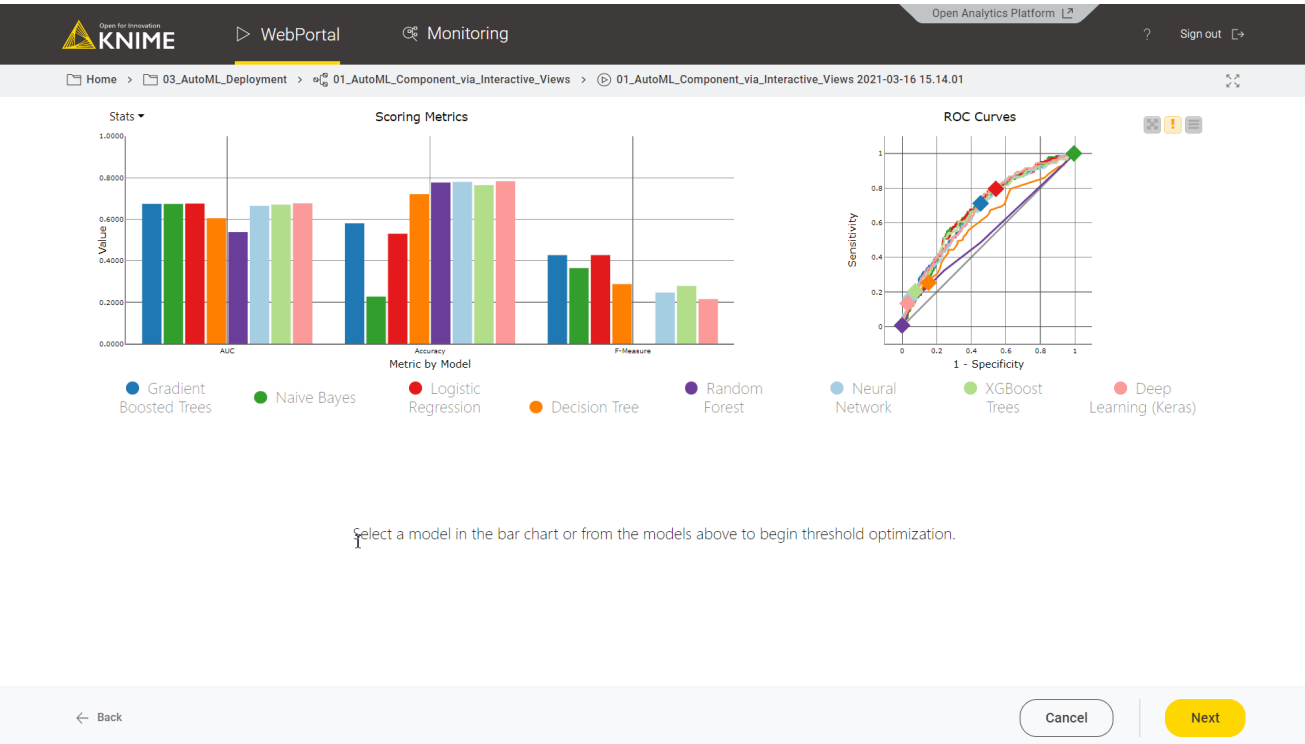
Workflows

210

Extensions



Deploy Your Workflows as Data Apps

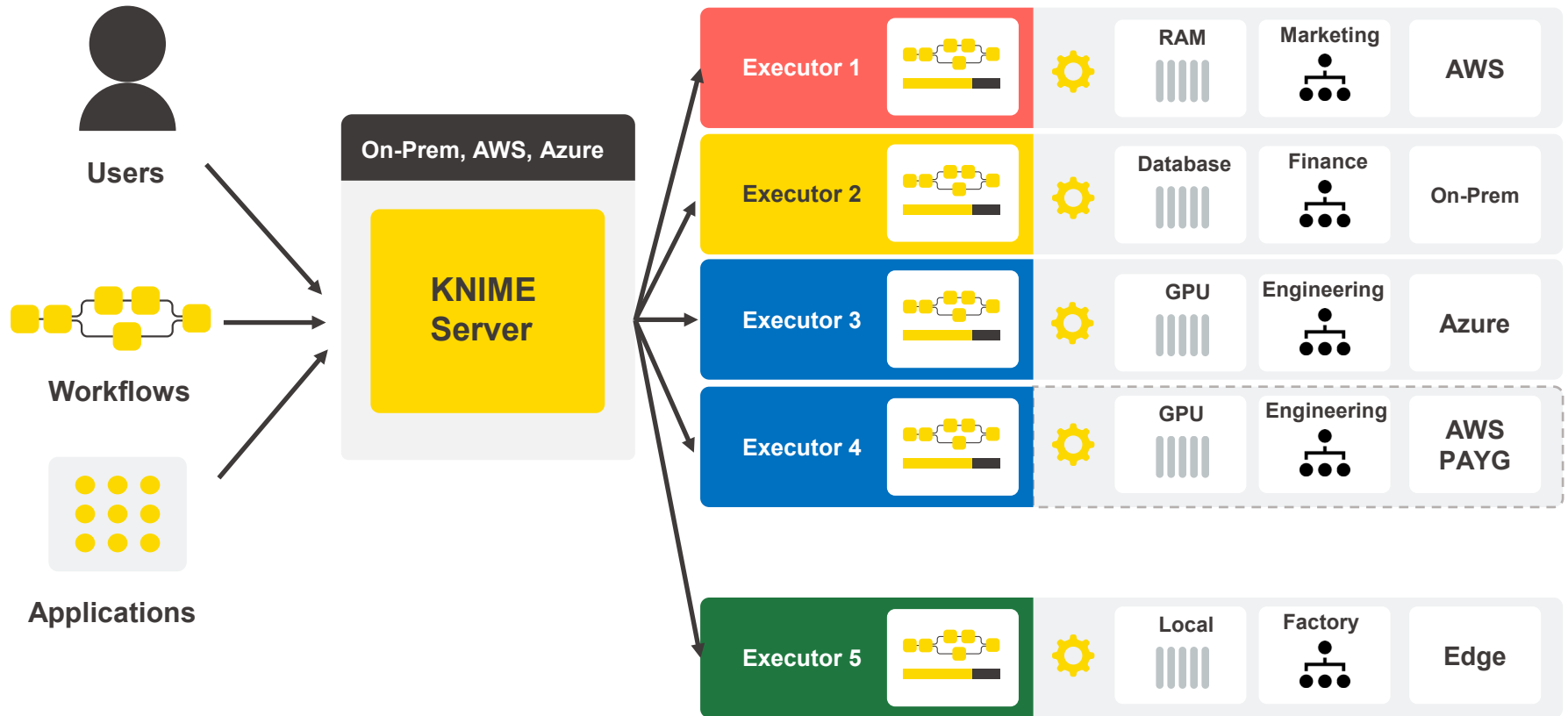


Empower **end users** with data through user-friendly, bespoke data apps.

All workflows can be made available as data apps via KNIME Server (no coding required).

REST endpoint also available to utilize KNIME output within your existing applications

Choice and control for execution



What is coming?

- Continuing to support our clients as they move more execution and collaboration to the cloud
- Enhanced UI/UX
- Support for new 3rd party integrations
- Providing greater flexibility for execution
- Edge Deployment – focus on performance and resiliency
- More vertical and use-case specific tools

Getting Started

- **Take our free, online self-paced courses** to test your understanding along the way.
- **Explore our books and documentation** to keep your team up to speed with best practices for data science.
- **Ask for help on the forum**—we respond to any question unanswered by the community in 12 hours.
- **View explainer videos** on KNIMETV, actively maintained by our evangelism team.



Let's Stay in Touch!

Hub hub.knime.com/

Forum forum.knime.com/

 [linkedin.com/company/knime.com/](https://www.linkedin.com/company/knime.com/)

 twitter.com/knime

 [youtube.com/user/KNIMETV](https://www.youtube.com/user/KNIMETV)





Thank You – See you again soon!

