Intro and Software News

KNIME Product Team
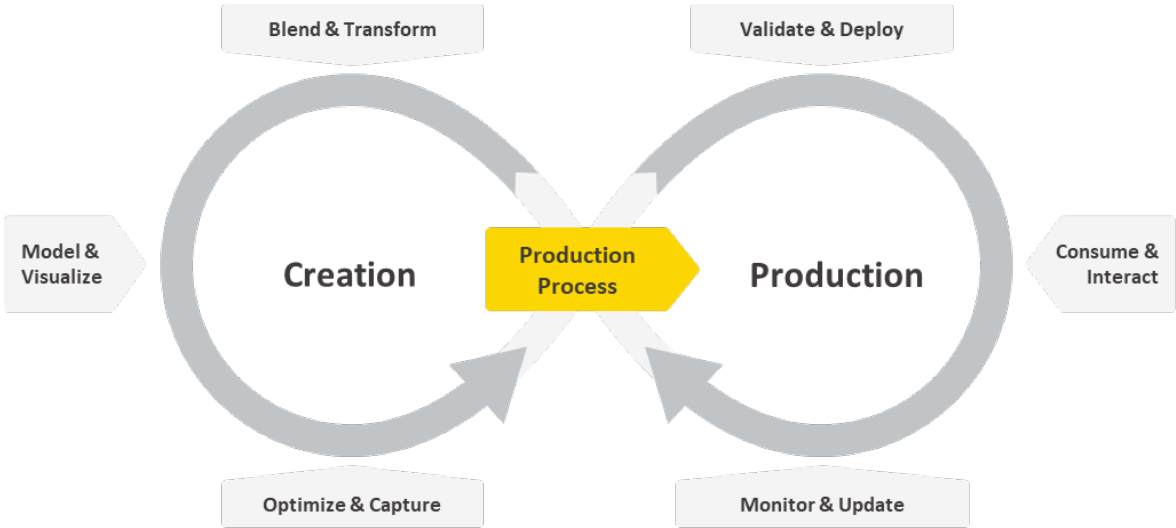
The Data Science Life Cycle and KNIME Software

Blend & Transform	Validate & Deploy
Model & Visualize	Creation	Production Process	Production	Consume & Interact
Optimize & Capture	Monitor & Update

KNIME Analytics Platform (open source)	KNIME Hub	
Low Code Data Science	Team Collaboration	Governance and Deployment at Scale

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Open for Innovation
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The Data Science Life Cycle and KNIME Software
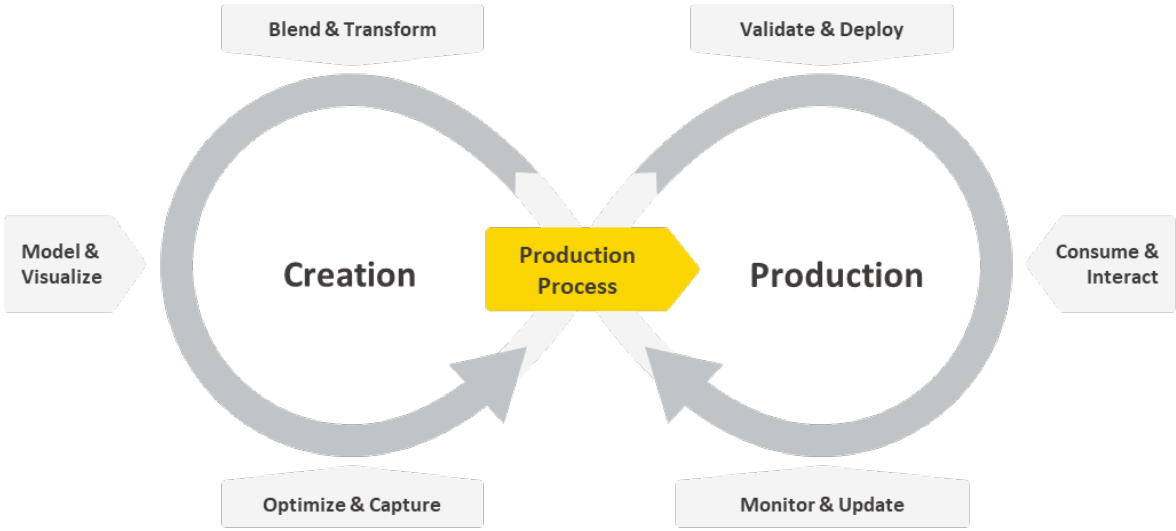
KNIME Analytics Platform (open source)			
Low Code Data Science			
Data Access & Transformation	Analytics & GenAI	Visualization & Reporting	Community Extensions

KNIME Community Hub	**KNIME Business Hub**			
Team Collaboration	**Governance and Deployment at Scale**			
Shared Repository	Data Apps & API Services	Automation & Orchestration	Continuous Delivery of Data Science	AI Governance

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Open for Innovation

KNIME Analytics Platform

KNIME Analytics Platform: Topics for today

- KNIME Analytics Platform 5

- KNIME Reporting

- KNIME AI Extension and KNIME Workflow Assistant

- (101 more changes)

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Demo

KNIME Analytics Platform: What's cooking

GenAI related functionality

- OpenAI Chat Model Fine-Tuner
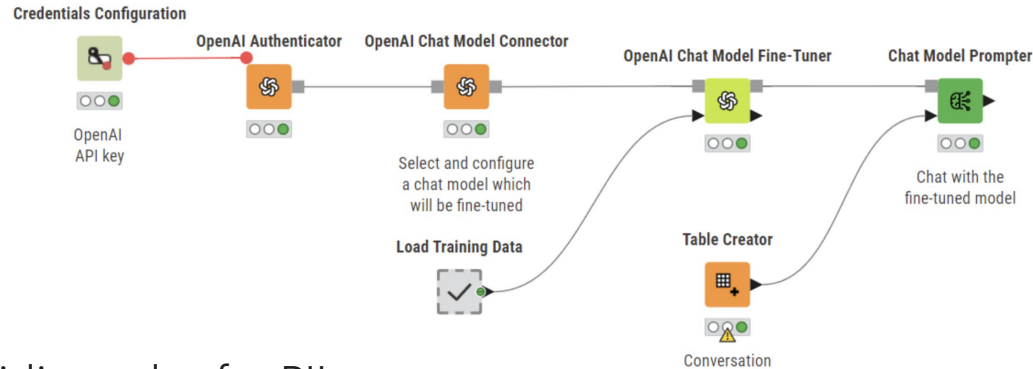
- Microsoft Presidio nodes for PII
  - Detection
  - Anonymization
  - Deanonymization

KNIME Analytics Platform: What's cooking

AI quality assurance with the Giskard Scanner node

- Analyzes end-to-end machine learning workflows

- Detects various kinds of issues
  - Performance
  - Robustness
  - And more

KNIME Analytics Platform: What's cooking

New expression node

- Replacement for *String Manipulation*, *Math Formula*, *Rule Engine*, with modern UI and AI assistance

- Also coming: support multiple expressions and windowing to replace *Column Expression* node

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KNIME Analytics Platform: What's cooking

Other quality of life enhancements (and more)

- Improved Reporting and Email Processing

- Variable Filter
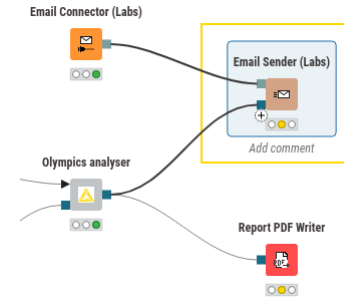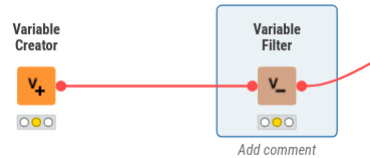
- Performance, esp. for frequently used nodes
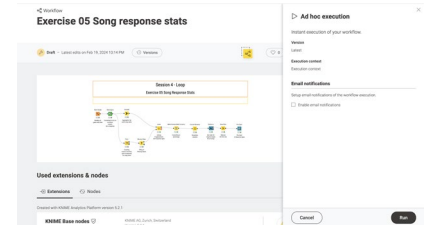- Modern UI Enhancements (more than just keyboard shortcuts)
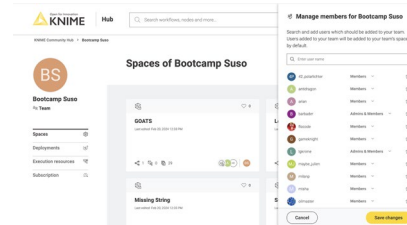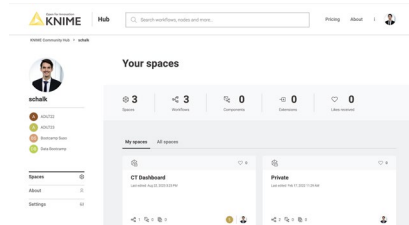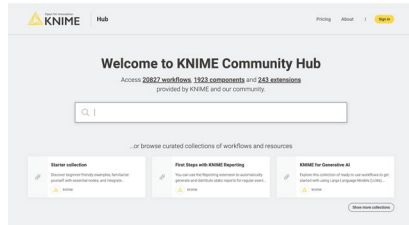
KNIME Community Hub

KNIME Community Hub is a place to...

Search and **find**

Store and **share** using spaces

Collaborate in teams

**Automate** workflow execution

Try it out at: hub.knime.com

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What's Cooking for Community Hub

- **Deploy data apps**
  - Control access of app usage
  - Manage workflow versions deployed

- **Workflow editing in a browser - demo**

- **Workflow editing playground**
  - An onboarding experience with the goal of learning visual workflow building
  - Targeted at people new to KNIME workflow editing

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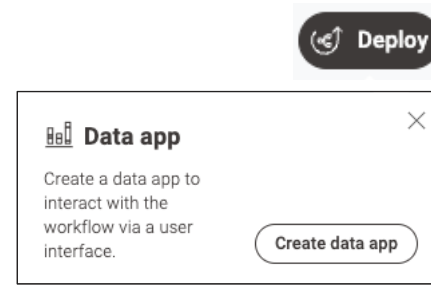
Getting Started with KNIME Community Hub

- Check your email!
  - You'll receive a voucher for KNIME Community Hub
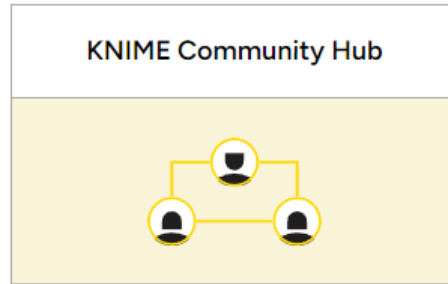 - Redeem the voucher for one Team free for one month with 1500 execution credits*

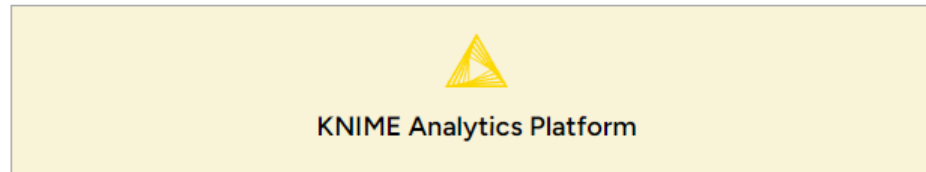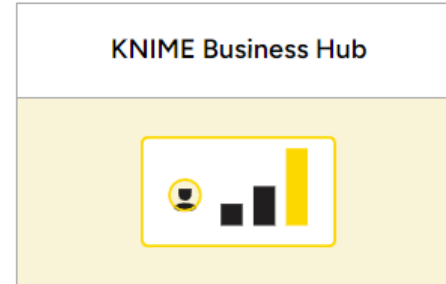 * The voucher credits may require a day or two to appear in your account

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KNIME Business Hub

KNIME Business Hub

For individuals and small teams
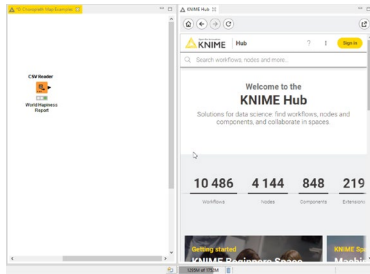
For larger teams with business needs

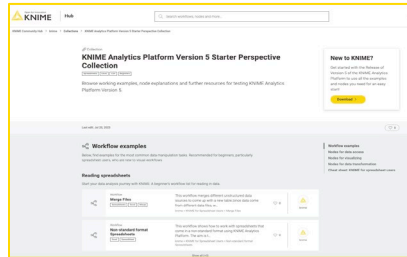Build analytic solutions with an intuitive, low-code, no-code interface

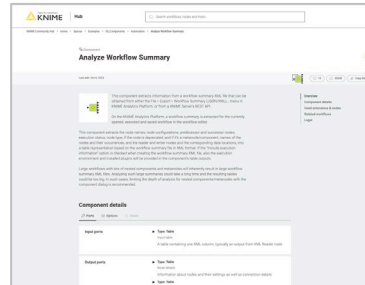# Creating Community with KNIME Business Hub

Share Expertise

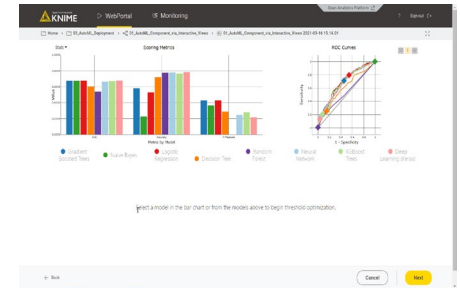**Build a Knowledge Base**

Jump Start using Components

Make Data Analysis possible by everyone

KNIME Business Hub: What's new

Demo

KNIME Business Hub: What's new

How to use secrets in KNIME workflows

Secrets Retriever node

- Allows user to select any number of secrets to use in the workflow

- Output ports dynamically adapt to selected secret types e.g. from flow variable to Microsoft Authentication or both

- In place of credentials and authenticator nodes

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KNIME Business Hub: What's new

Managing K-AI

- Configure K-AI to utilize a hosted AI (OpenAI, Azure AI)
- Ready-to-use data app for usage and cost monitoring
  - API endpoint allows customized analysis

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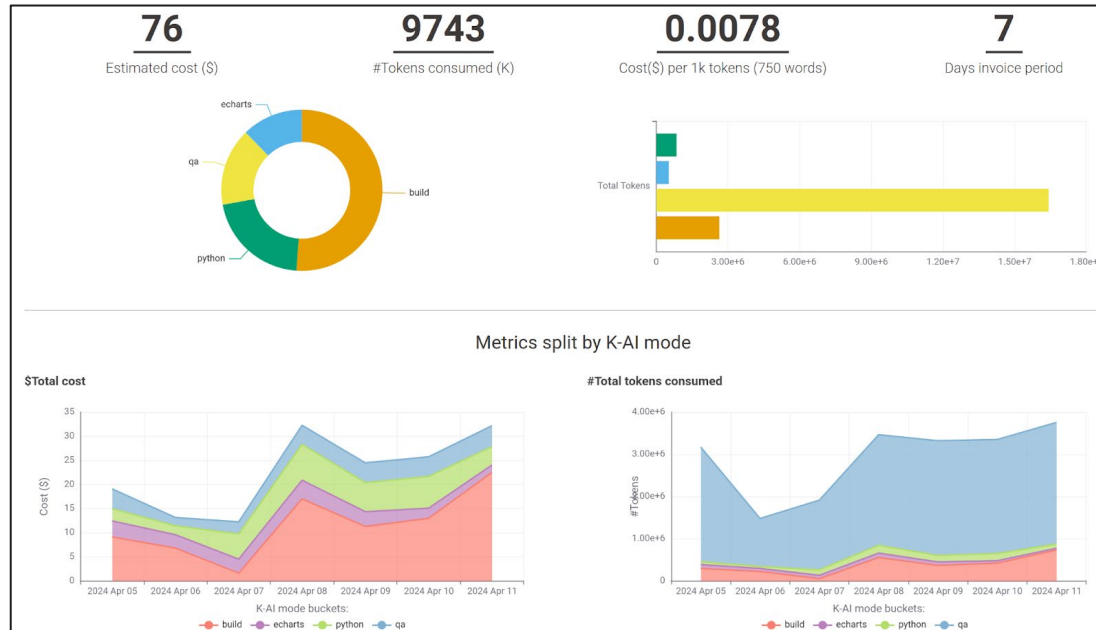
KNIME Business Hub: What's cooking

KNIME Business Hub: What's cooking

AI Model Management
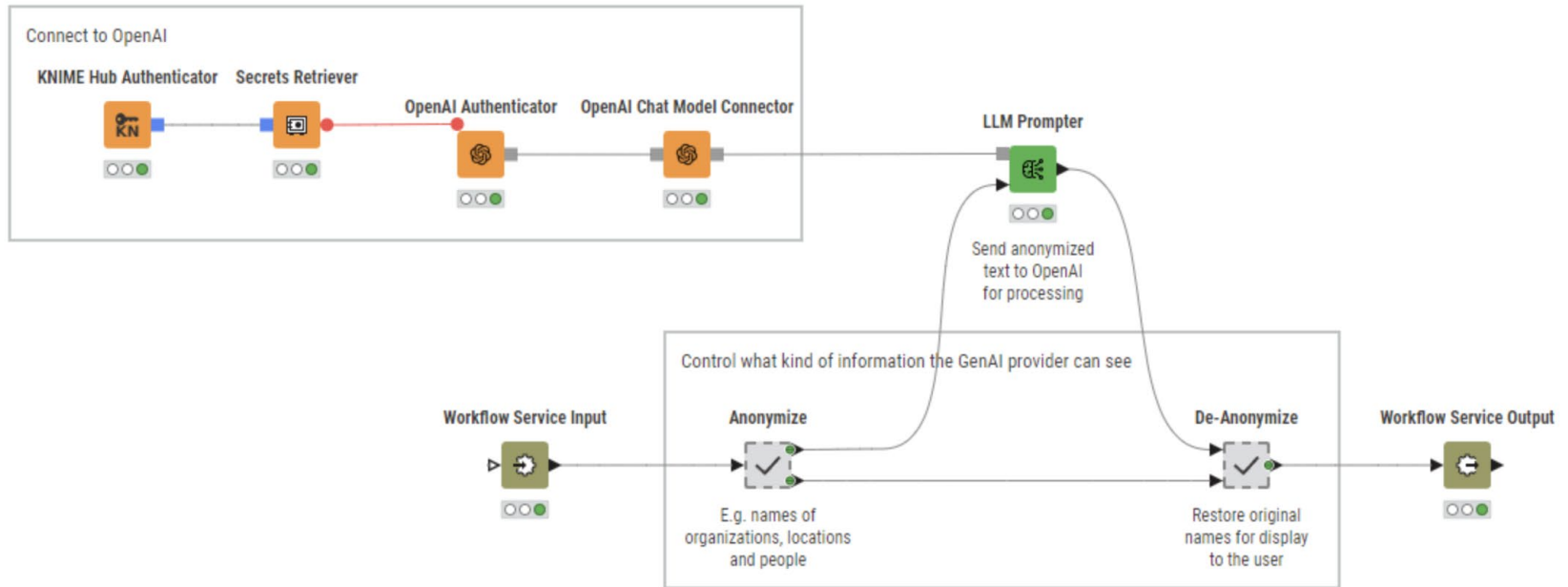
KNIME Business Hub: What's cooking

AI Proxy

- Modify and validate requests of KNIME Business Hub users
  - Customizable via workflows

KNIME Business Hub: Recap

Continuous Deployment for Data Science (CDDS)

- Automate validation process when deploying workflows

- Automate monitoring and retraining of workflows in production

- Separation of development, validation and production environments

- Extension for KNIME Business Hub
   - Set of data apps and workflows
    - Ready-to-use but customizable

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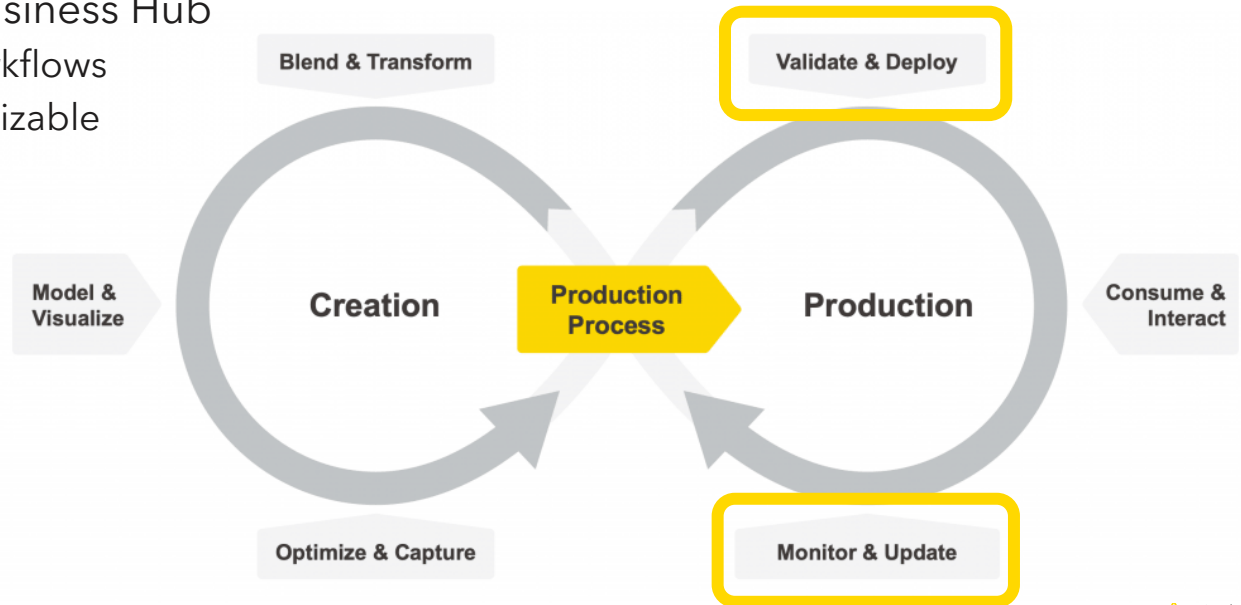
KNIME Business Hub: What's cooking

Safeguarding Production Environments

- Validation of workflows executed in production is enforced
  - Automated validation through triggers and (customizable) validation workflows
  - Manual approval by designated reviewers
- Workflows are labeled as being approved or rejected
- Configurable to meet individual compliance requirements
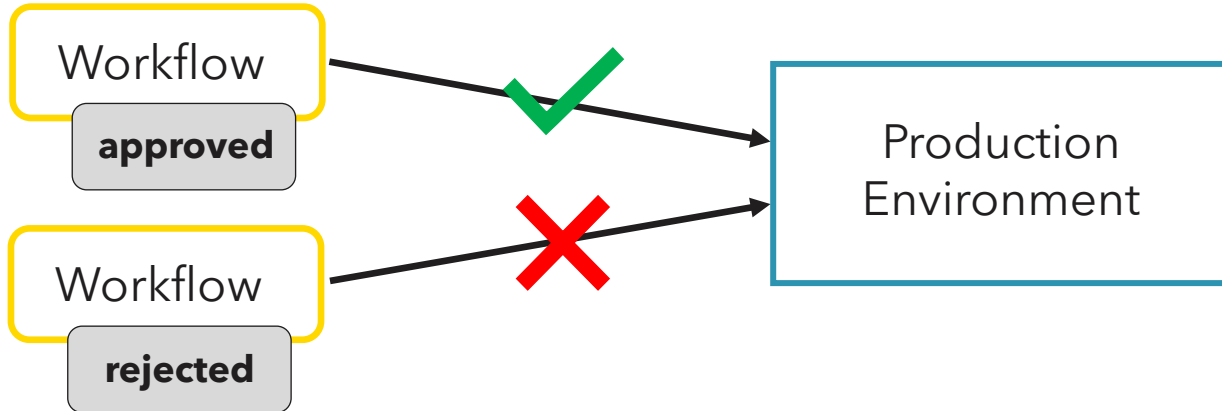
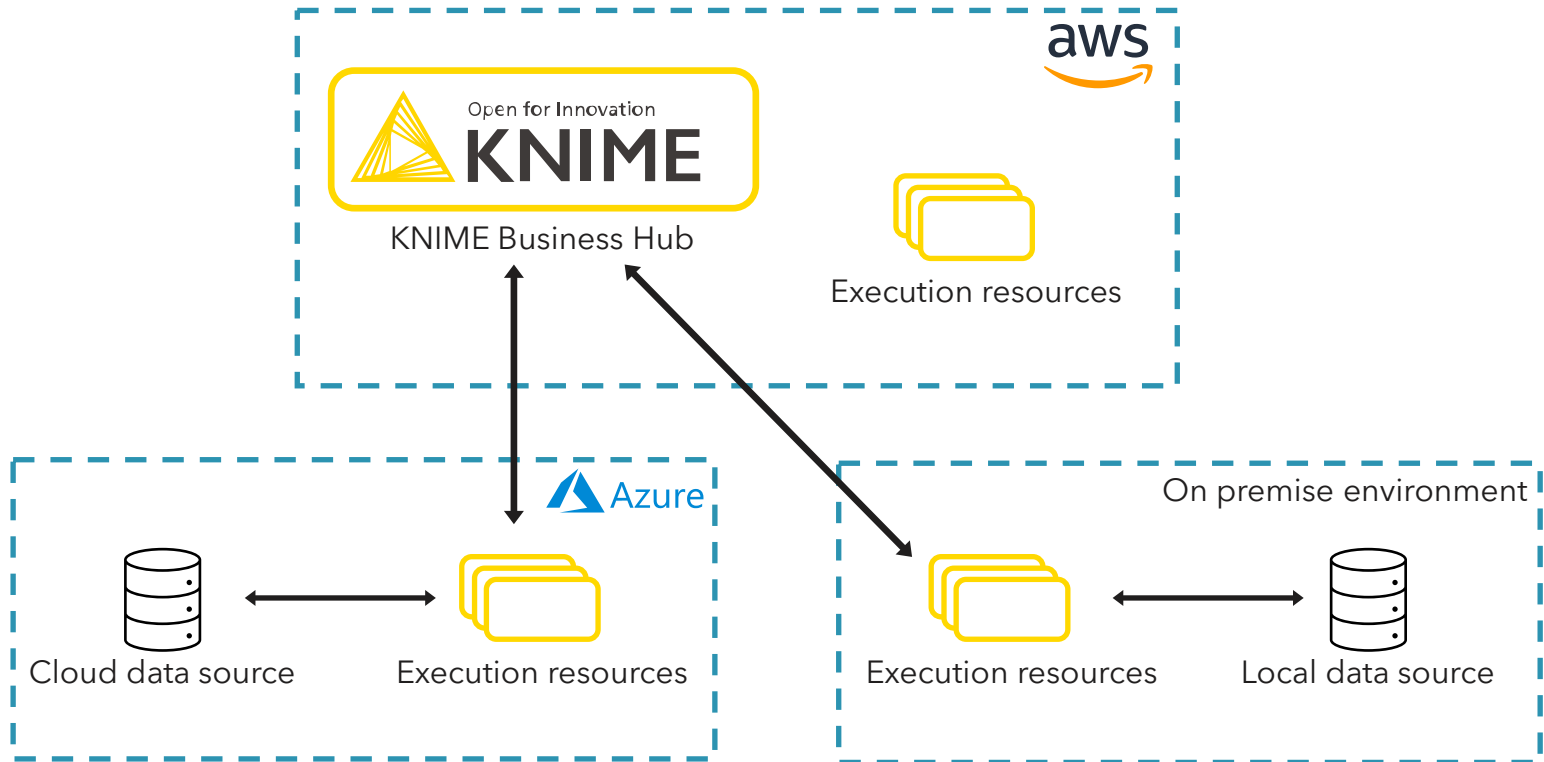# KNIME Business Hub: What's cooking

Job Instrumentation

- Monitor jobs executed on KNIME Business Hub
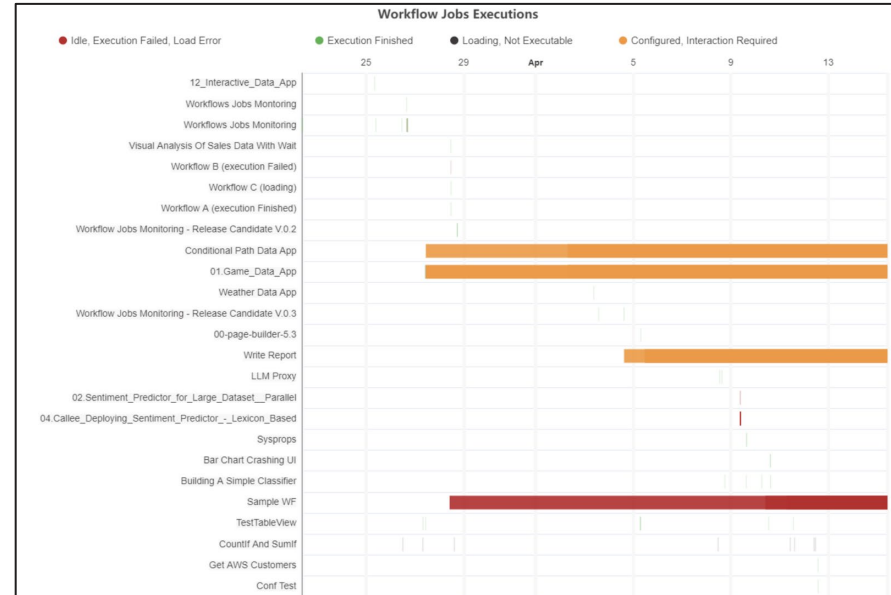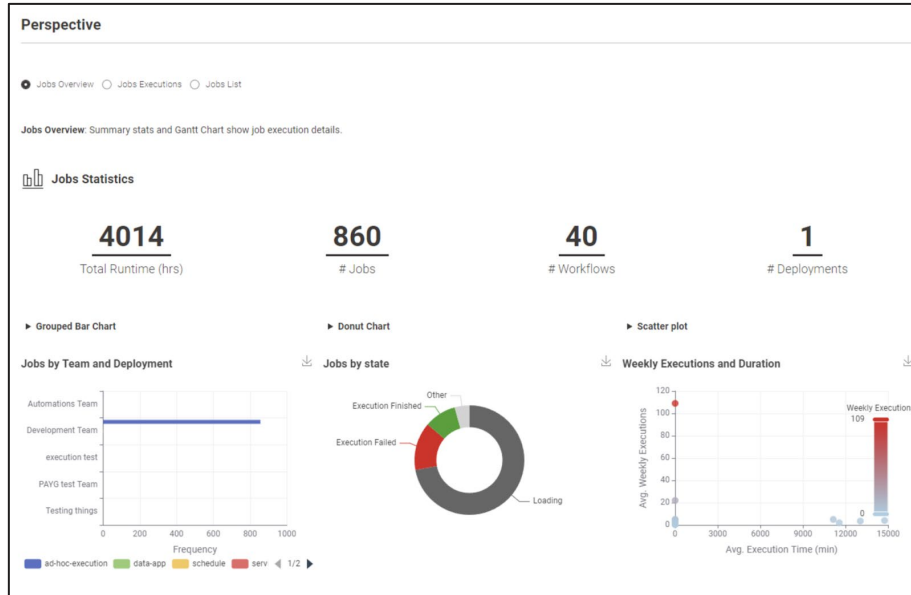
KNIME Business Hub: What's cooking

Hybrid Execution

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KNIME Business Hub: What's cooking

SCIM (System for Cross-domain Identity Management)

- Open standard for identity information management

- Let your identity provider manage your Hub team and user setup

- Supports various identity providers, e.g.
  - Microsoft Entra ID
  - Okta
  - and more

KNIME Business Hub: What's cooking

Job Viewer

KNIME Business Hub – Cloud Marketplaces

KNIME Business Hub – Basic

KNIME Business Hub – Standard

KNIME Business Hub – BYOL

Coming soon!

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Thanks!

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