KNIME Server

KNIME® Server is built to help teams work better together. From small groups to global companies, KNIME Server extends the power of KNIME Analytics Platform beyond individual data scientists to everyone in your company. It provides collaboration, automation, and deployment functionalities, giving you more freedom and flexibility.
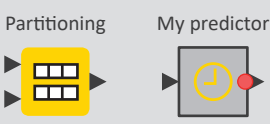
KNIME Server is available in three editions. KNIME Server Small is designed primarily for small teams, enabling them to exchange workflows and execute them remotely. KNIME Server Medium enables additional consumers to use workflows via the browser (KNIME WebPortal), and includes REST API. KNIME Server Large allows unlimited installations as well as unlimited WebPortal users and is intended for larger teams needing to collaborate across business units or across the globe.
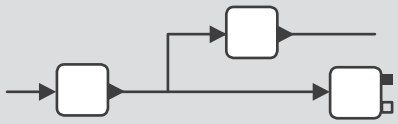
Shared Repositories

XLS | SDF | TXT | CSV | XML | ...many more

Data

Partitioning | My predictor

Nodes & Metanodes

Workflows

Share data, metanodes, and workflows across your team and throughout your company. Versioning allows storage of each workflow revision with all of its intermediate calculations, enabling extensive debugging, tracking, and audit capabilities.

Access Management

LDAP | Java POWERED

Nodes, Files, Applications

KNIME Server gives you control over access management at the node, file, and application level.

Node Level: Metanode linking, locking, and encrypting allows you to securely publish workflow fragments across the organization, automatically updating all workflows that use those nodes.

Workflow Level: KNIME Server offers LDAP authentication in addition to basic file based access restriction to integrate analytics into your existing authentication infrastructure.

Application Level: Connect to KNIME Server with KNIME Analytics Platform, with legacy applications, or write your own applications using the development environment of your choice, with our industry standard REST interface.

Flexible Execution

Remote, Scheduled

KNIME Server enables your team to offload execution from personal laptops to a well provisioned, high performance computer configured to your specifications.

Scheduled execution enables delayed and recurring workflow deployment, allowing maximum flexibility for distribution among teams and infrastructure.
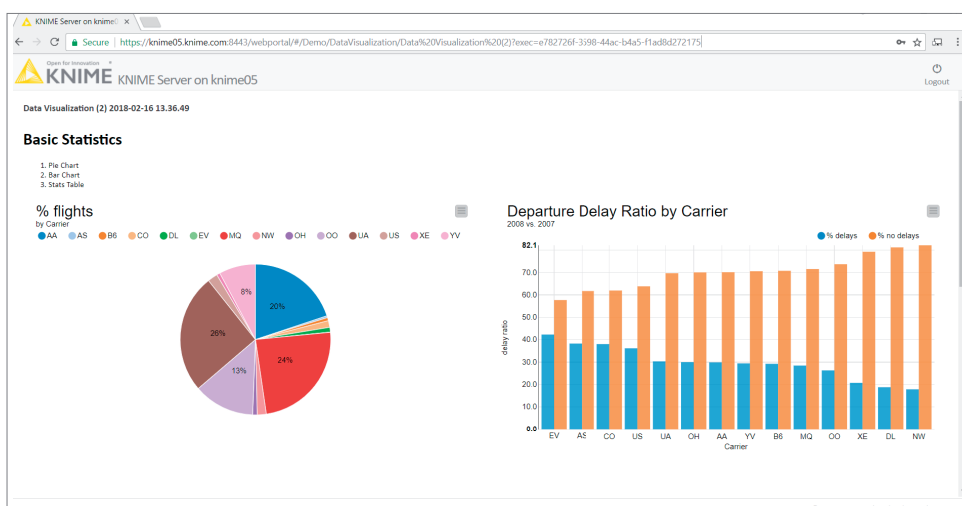
Web Enablement

REST API

Content, Services

KNIME Server includes KNIME WebPortal, enabling access to your analytics on any device with a web browser. Data scientists can guide anyone in the organization to use advanced analytics, publish workflow results, or schedule execution remotely.
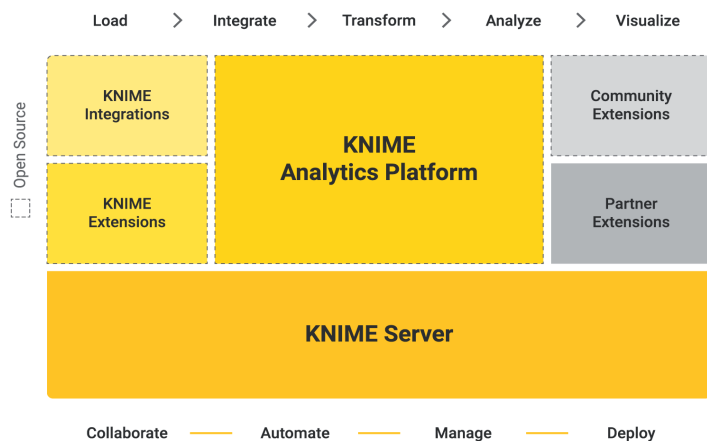
Our REST interface allows you to effortlessly create industry standard web services.

Cloud Enablement

KNIME Server can be run on both private and public clouds, hosted by AWS or Azure.

AWS | Microsoft Azure

KNIME Server on knime05

Data Visualization (2) 2018-02-16 13.36.49

Basic Statistics

1. Pie Chart
2. Bar Chart
3. Stats Table

% flights by Carrier

Departure Delay Ratio by Carrier
2008 vs. 2007

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Feature and Description	KNIME Server Small	KNIME Server Medium	KNIME Server Large
Collaboration			
Share workflows and control access rights	✓	✓	✓
Upload and share metanode templates to enable users to reuse most common functionalities	✓	✓	✓
Encrypt metanodes to secure content and protect intellectual property			✓
Automation and Deployment			
Execute workflows on the server or on a cluster	✓	✓	✓
Schedule a workflow or report to be executed at a certain time, or periodically	✓	✓	✓
Deploy workflows via the REST API to allow access from other applications		✓	✓
Execute big data workflows remotely. Enables access to Apache Hadoop and Apache Spark from KNIME workflows.			✓
Provide WebPortal access to deploy analytical applications to consumers via a browser based interface	Licensed users	Additional consumers	Unlimited consumers
Management			
Manage user credentials locally for smaller teams	✓	✓	✓
Integrate authentication with corporate LDAP / Active Directory setups and manage permissions			✓
Create workflow snapshots and compare to previous versions	✓	✓	✓
Customize the node repository to ease use and ensure compliance			✓
Customize the look and feel of the WebPortal to comply with corporate identity		✓	✓
Monitor server activity (running and scheduled jobs), adjust permissions, manage ongoing services	✓	✓	✓
IT operations via central management of preferences for multiple KNIME Analytics Platform installations		✓	✓
General			
Number of server installations	1	1	Multiple
Subscription for professional support service via ticket system or forum	Forum	Email	Email

About KNIME

At KNIME®, we build software for fast, easy and intuitive access to advanced data science, helping organizations drive innovation.

For over a decade, a thriving community of data scientists in over 60 countries has been working with our platform on every kind of data: from numbers to images, molecules to humans, signals to complex networks, and simple statistics to big data analytics.

Our headquarters are based in Zurich, with additional offices in Konstanz, Berlin, and Austin. We're open for innovation®, so visit us at KNIME.com.

Open for Innovation ®
KNIME