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KNIME

KNIME Analytics Platform Installation Guide

KNIME AG, Zurich, Switzerland
Version 5.5 (last updated on)

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Installing KNIME Analytics Platform

1. Go to the download page on the KNIME.com website to start installing KNIME Analytics Platform.
2. The download page shows three tabs which can be opened individually:
   - *Register for Help and Updates*: here you can optionally provide some personal information and sign up to our mailing list to receive the latest KNIME news
   - *Download KNIME*: this is where you can download the software
   - *Getting Started*: this tab gives you information and links about what you can do after you have installed KNIME Analytics Platform
3. Now open the *Download KNIME* tab and click the installation option that fits your operating system. KNIME Analytics Platform can be installed on Windows, Linux, or macOS.

   Notes on the different options for Windows:

   - The Windows installer extracts the compressed installation folder, adds an icon to your desktop, and suggests suitable memory settings.
   - The self-extracting archive simply creates a folder containing the KNIME installation files. You don't need any software to manage archiving.
   - The zip archive can be downloaded, saved, and extracted in your preferred location on a system to which you have full access rights.

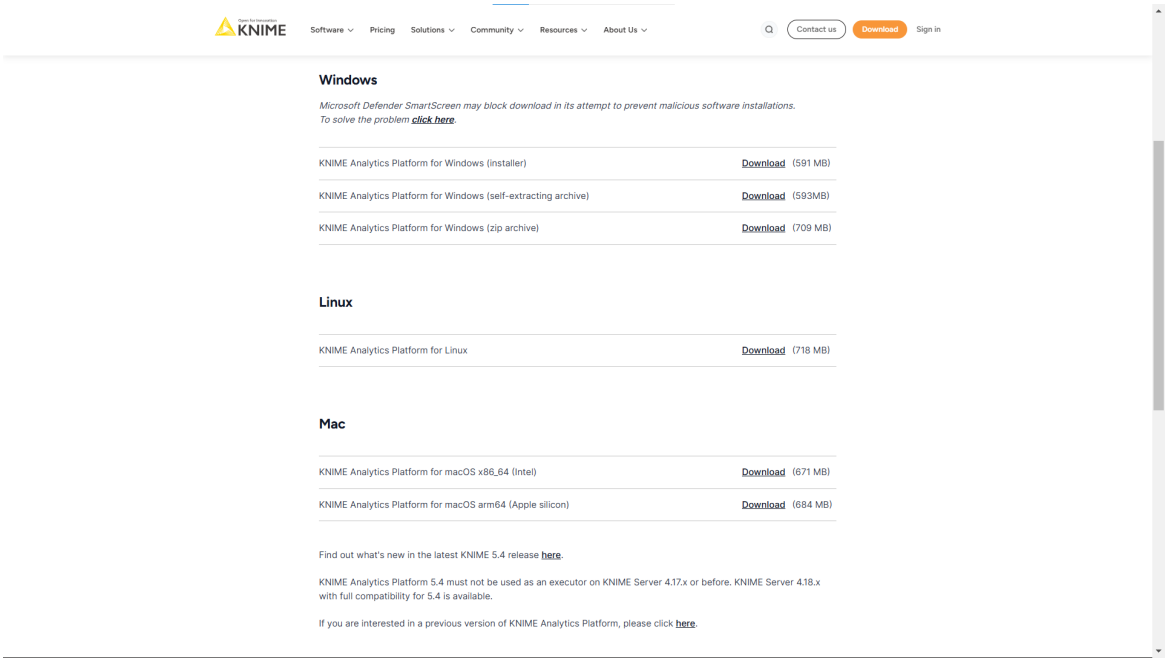

Figure 1. KNIME Analytics Platform available installers

4. Read and accept the privacy policy and terms and conditions. Then click *Download*.
5. Once downloaded, proceed with installing KNIME Analytics Platform:
    - *Windows:* Run the downloaded installer or self-extracting archive. If you have chosen to download the zip archive instead, unpack it to a location of your choice. Run `knime.exe` to start KNIME Analytics Platform.

      

      With KNIME Analytics Platform version 5.3 you have the possibility to start KNIME Analytics Platform in high-resolution mode. To do so, go to the installation folder and run `knime-hidpi.bat`. Please notice that the batch file to start the KNIME Analytics Platform in the high-resolution mode is an experimental feature designed exclusively for Modern UI. This feature aims to enhance visual fidelity but is not yet fully supported across the classic user interface and the Modern UI. So, users should be aware of potential limitations and compatibility issues when switching between Modern UI and Classic UI contexts.

    - *Linux:* Extract the downloaded tarball to a location of your choice. Run the `knime` executable to start KNIME Analytics Platform.
    - *Mac:* Double click the downloaded dmg file and wait for the verification to finish. Then move the KNIME icon to *Applications*. Double click the KNIME icon in the list of applications to launch KNIME Analytics Platform.

The following operating systems versions are supported:

- Windows
    - Windows 10, 11
    - Windows Server - 2016, 2019, 2022,
- Ubuntu 20.04 LTS and 22.04 LTS and derivatives
- RHEL/CentOS/Rocky Linux 8, 9
- macOS (12 and above - macOS x86_64 Intel) and M1 (macOS arm64 - Apple silicon) (only the last two major versions are supported)
    - macOS 12: Monterey
    - macOS 13: Ventura

Also check the KNIME Getting Started Guide and the KNIME Analytics Platform User Guide.

Configuration settings and knime.ini file

When installing KNIME Analytics Platform, configuration settings are set to their defaults, and they can later be changed in the *knime.ini* file. The configuration settings, i.e. options used by the Java Virtual Machine when KNIME Analytics Platform is launched, range from memory settings to system properties required by some extensions.

You can find `knime.ini` in the installation folder of KNIME Analytics Platform.

On macOS: To locate `knime.ini` on macOS, open Finder and navigate to your installed Applications. Next, right click the KNIME application, select *Show Package Contents* in the menu, and navigate to `Contents` → `Eclipse`.

The `knime.ini` file can be edited with any plaintext editor, such as Notepad (Windows), TextEdit (macOS) or gedit (Linux).

Allocating memory in knime.ini file

The entry `-Xmx1024m` in the `knime.ini` file specifies how much memory KNIME Analytics Platform is allowed to use. The setting for this value will depend on how much memory is available in your machine. KNIME recommends setting it to approximately one half of your available memory, but you can modify the value based on your needs. For example, if your computer has 16 GB of memory, you might set the entry to `-Xmx8192m`.

Installing Extensions and Integrations

If you want to add capabilities to KNIME Analytics Platform, you can install extensions and integrations. The available extensions range from free open source extensions and integrations provided by KNIME to free extensions contributed by the community and commercial extensions including novel technology nodes provided by our partners.

The KNIME extensions and integrations developed and maintained by KNIME contain deep learning algorithms provided by Keras, high performance machine learning provided by H2O, big data processing provided by Apache Spark, and scripting provided by Python and R, just to mention a few.

Install extensions from:

- KNIME Hub:
  - Search for the Extension or Integration you want to install in the search bar
  - Click Extensions on the results page
  - Click the extension you want to install, and from the extension page and drag and drop the squared yellow icon, shown in Figure 2, to the KNIME Analytics Platform. A window will open asking if you want to search and install the extension or integration. Click *Yes* and follow the instructions.

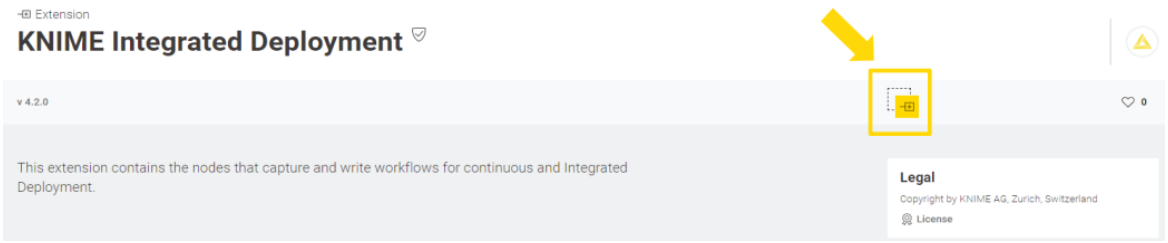

Figure 2. Install the KNIME Integrated Deployment Extension from KNIME Hub

  - Restart KNIME Analytics Platform.
- KNIME Analytics Platform:
  - Go to the *Menu* in the top right corner of the KNIME Analytics Platform.
  - Select *Install Extensions*. The dialog shown in Figure 3 opens.

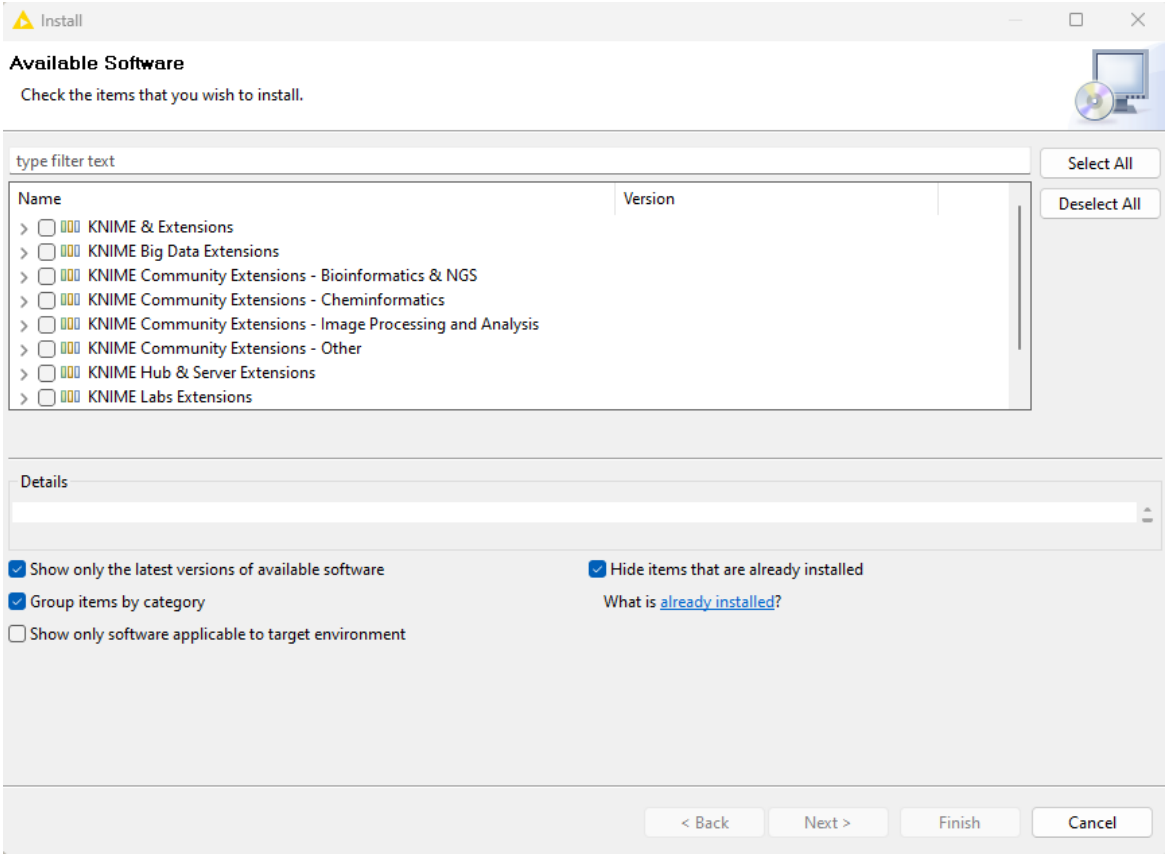

Figure 3. Installing Extensions and Integrations from KNIME Analytics Platform

- Select the extensions you want to install
- Click *Next* and follow the instructions
- Restart KNIME Analytics Platform.

The *Install Extensions* menu provides the extensions that are available via the update sites you have enabled.

If you encounter issues during the installation of Python based extensions, these might be related to challenges specific to this type of extensions. Find here information about how to troubleshoot these issues.

To uninstall an extension, go to the *Help* menu in the top right corner of the user interface and select the *About KNIME Analytics Platform*. In the window that opens click *Installation Details*. A dialog shown in Figure 4 opens. Now, select the extension that you want to uninstall, and click *Uninstall…*.

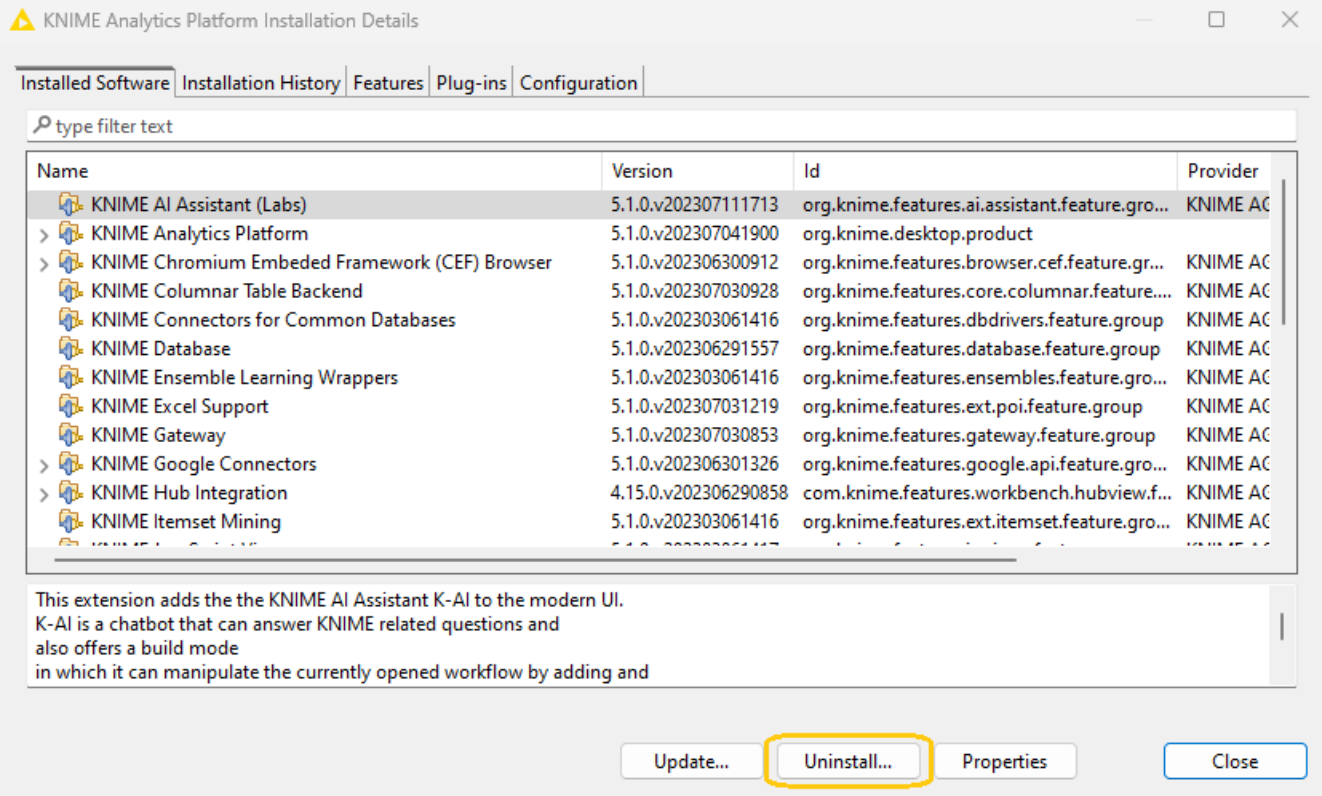

Figure 4. Uninstalling Extensions and Integrations

Updating KNIME Analytics Platform and Extensions

It is good to make sure that you always use the latest version of KNIME Analytics Platform and its extensions.

To do so:

1. Go to the *Menu* in the top right corner of the KNIME Analytics Platform.
2. Select *Check for updates*. In the dialog that opens, select the available updates you want to install and then click *Next*.
3. Proceed by following the instructions. KNIME Analytics Platform has to be restarted in order to apply the updates.

Update Sites

The Update Sites are where KNIME retrieves additional software in the form of extensions as well as updates. To see or edit the available update sites, click *Preferences* in the top right corner of the user interface. This opens the *Preferences* dialog. Select *Install/Update* → *Available Software Sites*.

Default Update Sites

These four updates sites are provided by KNIME and are always available:

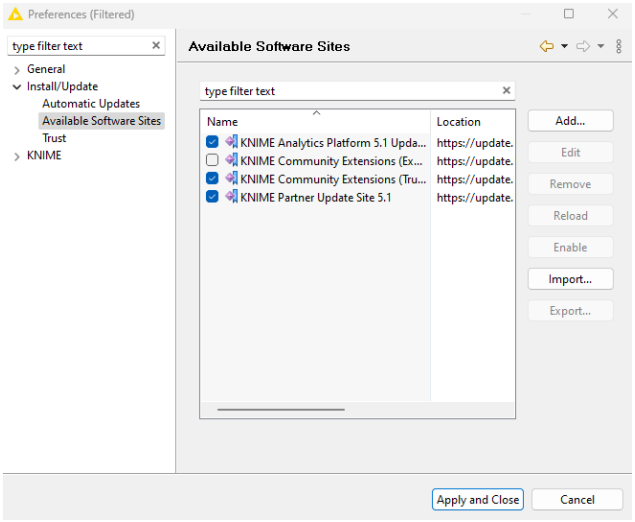

Figure 5. Available Update Sites

KNIME Analytics Platform 5.5 Update Site: Provides all extensions and integrations maintained by KNIME: R, Python, H2O Machine Learning, Apache Spark for big data, and many more. Contains KNIME Labs Extensions, which are extensions that are not yet part of the set of stable KNIME extensions because their functionality may not yet be finalized.

KNIME Community Extensions (Experimental): Provides additional extensions created by the KNIME community. **Note: this update site is not enabled by default.**

KNIME Community Extensions (Trusted): Provides trusted community extensions, i.e. extensions created by the KNIME community, which have been tested for backward compatibility and compliance with KNIME quality standards.

KNIME Partner Update Site 5.5: Provides extensions created by KNIME partners.

KNIME Analytics Platform 5.5 Update Site, *KNIME Community Extensions (Trusted)*, and *KNIME Partner Update Site 5.5* are enabled by default.

Adding External Update Sites

To install extensions that are not part of the above update sites, click *Add* to manually add the relevant update site, inserting the Name and Location as shown in Figure 6.

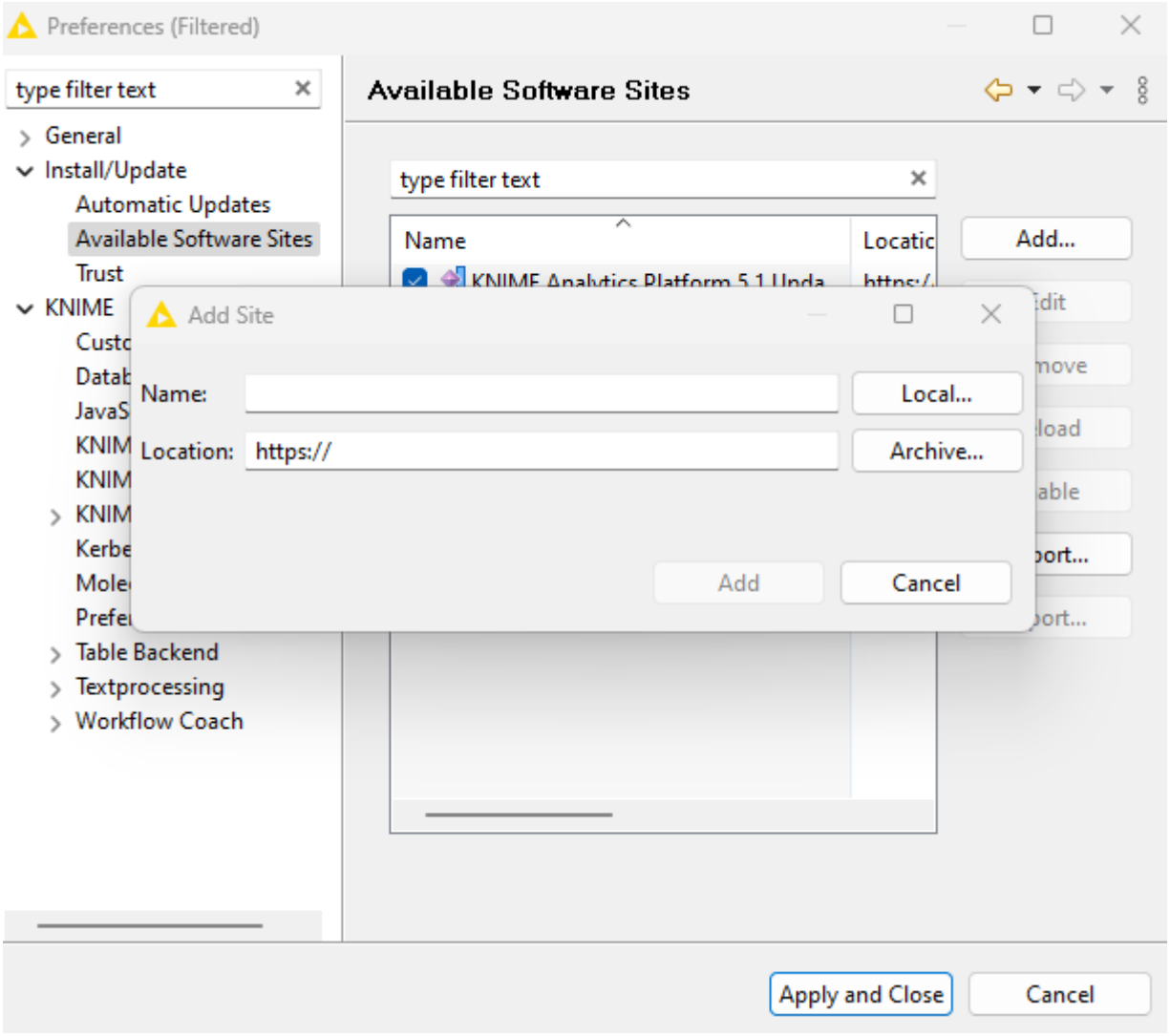

Figure 6. Add Update Sites

After adding a new update site you will see it listed in the *Available Software Sites*. You must now enable it by selecting it from the list.

Adding Local Update Sites

If your working environment has limited internet access or you receive an error message “Proxy Authentication Required” when connecting to a remote update site (provided by a URL), you can install extensions from a local zip file.

1. Download KNIME update sites as zip files at the following links:
   - KNIME Analytics Platform Update Site
   - KNIME Community Extensions
   - KNIME Partner Update Site 5.5
2. Save the zip file containing the extensions to your local system

3. Click *Preferences* in the top right corner of the user interface. This opens the *Preferences* dialog. Select *Install/Update* → *Available Software Sites* and enter the path to the zip file by clicking *Add* → *Archive…* as shown in Figure 7.

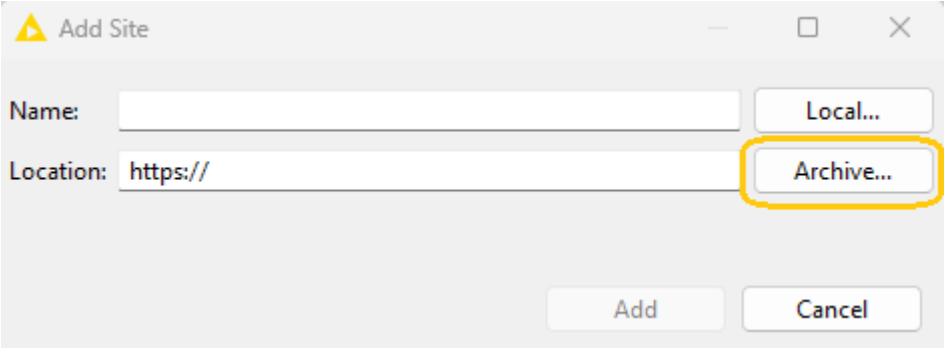

Figure 7. Adding Update Sites from Zip Archive

If the same extensions are provided by a URL, you will first have to disable the update site by disabling it in the list.

4. Now click *Apply and Close*

If the same extensions are also provided by a remote update site, you will first have to disable that update site by deselecting its entry in the *Available Software Sites* dialog and confirming via *Apply and Close*.

Working with the Nightly Builds

Once a night, a new version of KNIME Analytics Platform is created directly from our development branch. The Nightly Build versions available here provide insight into what's coming up in the next regular release. However, for real work, always use a version of a standard KNIME release. Also read the following disclaimer before proceeding:

Really, really, *really* important disclaimer

This is most definitely not production quality code. These nightly builds are what we use internally to validate and test recent developments, so they are not tested as thoroughly as standard KNIME releases. Furthermore new nodes or functionality may change substantially (or disappear entirely) from one build to the next. It's even possible that workflows you edit or create with nightly builds stop being readable by future (or past) versions…

These nightlies are a great way to get a sneak peek at what may be coming in the next version of KNIME and provide feedback and suggestions. They are not a particularly safe way to do real work.

Release notes and changelogs (KNIME Analytics Platform 5.5)

Release notes and detailed changelog for v5.5.x releases

KNIME Analytics Platform 5.5.0

Release date: July 2, 2025

Release notes

Updates and compatibility

- All JavaScript based visualisations have been labeled as legacy to clearly differentiate them from the new modern visualisations. They are still installed by default and can be used, but we will deprecate them in a future as soon as we have a replacement for them.
- KNIME Audio Processing (Labs): The extension is now declared “legacy”, due to various API changes. It can still be installed, but it is no longer listed by default (i.e. uncategorized)
- Both Extensions for “H2O Sparkling Water” (KNIME H2O Sparkling Water Integration and KNIME Extension for MOJO nodes on Spark) were removed from the update site and marked as legacy (as already announced in version 5.3). They are still available but will be removed in a future version of KNIME Analytics Platform.
- Old and deprecated H2O models (versions 3.36 and before) are no longer installed and available by default. These models were extracted into a separate extension called “KNIME H2O Machine Learning Integration - Legacy Models”, which is available when showing uncategorized extensions in the update site manager.

Known issues

Linux users on Wayland need to fall back to running KNIME via `GDK_BACKEND=x11 ./knime` due to a known issue. We are working on a fix.

Changelog (KNIME Analytics Platform 5.5.0)

New nodes

- AP-22712: Microsoft Fabric Data Warehouse Connector (kudos to @Haystack for reporting 1)
- AP-24124: Google Workload Identify Federation node (kudos to @kevinnay for reporting 1)
- AP-24425: Message Part Extractor
- AP-24424: Message Creator
- AP-24407: Agent Chat View
- AP-24377: Workflow to Tool node
- AP-24291: Agent Prompter Rewrite
- AP-24197: Microsoft Fabric Workspace Connector
- AP-24175: Vertex AI Connector node
- AP-24174: Google AI Studio Authenticator node
- AP-24081: Gemini Embedding Model Connector node
- AP-24080: Gemini Chat Model Connector node
- AP-24079: IBM watsonx Embedding Model Connector node
- AP-24078: IBM watsonx Chat Model Connector node
- AP-24077: IBM watsonx Authenticator node
- AP-24072: Anthropic Chat Model Connector node
- AP-24071: Anthropic Authenticator node
- AP-23533: Microsoft OneLake Connector
- AP-23398: Power BI Model Reader
- AP-22804: Power BI Model Refresher
- BD-1350: (Big Data Extensions): Delta Table Reader (Labs)
- UIEXT-2294: Date&Time Rounder
- UIEXT-2292: Duration Format Manager

Enhancements

- AP-22098: Call Workflow Nodes: Set parent job identifier when creating callee job (kudos to @shonersul for reporting 1)
- AP-23017: Row Filter to allow equality check between compatible numeric types (kudos

to @richards99 for reporting 1)

- AP-23433: Row Filter to support "is not equal " variant that retains missing cells (kudos to @Fabien_Couprie, @HiZ for reporting 1, 2)
- AP-23641: Expressions: Keep selected text as argument when inserting functions (kudos to @HaveF for reporting 1)
- AP-23908: Expression node should auto-complete boolean operators "and ", "or ", and "not " (kudos to @MCBirne for reporting 1)
- NXT-3164: Allow removal of arbitrary port from extensible port groups (kudos to @mlauber71 for reporting 1)
- UIEXT-1630: Web UI for Column Name Replacer (aka Column Rename (Regex)) (kudos to @KunalB86 for reporting 1)
- UIEXT-2623: Web UI for UNIX Timestamp to Date&time (kudos to @mwiegand for reporting 1)
- AP-24456: Trim native (outside JVM) memory usage from the Watchdog periodically and on low resources
- AP-24450: Make boolean operators case insensitive in expressions to allow "AND ", "OR ", and "NOT "
- AP-24432: Node name improvements and other minor enhancements in AI Extension
- AP-24427: Tableau Writer to be streamable (performance enhancements)
- AP-24422: Allow multi-modal message column as input for LLM Prompter
- AP-24397: Allow python node view to be completely defined by static resources
- AP-24371: Support multi resources OAuth authorization in Microsoft Authenticator
- AP-24363: Add description-field to Workflow Service Input/Output nodes
- AP-24293: Introduce multi-modal Message data type
- AP-24292: Introduce Workflow Tool data type
- AP-24260: Allow underscores in number strings going into `parse_int` and `parse_float`
- AP-24247: More robust "state notification " when workflow/node state changes (e.g. notifications may break state in executor)
- AP-24240: Improve "KNIME > Customization Profiles " preferences page
- AP-24227: Ability to "soft lock " mount point preferences using AP customization
- AP-24224: (Internals) Invisible ThreadPool threads to not stay invisible for the remainder of their lifetime
- AP-24187: Constant Value Column node: Improve Performance with Columnar Backend

- AP-24180: Add date and time expression types and functions to K-AI’s prompt
- AP-24048: LLM Prompter: Support JSON prompt columns
- AP-23953: Secrets Retriever node should show a proper exception if an extension is missing for a selected secret e.g. Databricks
- AP-23936: "BufferedDataTable Reference Reader "-Nodes not copy-paste-able between Workflows
- AP-23921: Run REST Request nodes' I/O without consuming KNIME thread pool slot (i.e. "invisibly ")
- AP-23907: (Internal Metrics:) Track KNIME Executor’s internal thread pool queue length
- AP-23898: K-AI Build Mode: Display K-AI’s explanation of its actions
- AP-23887: Breakpoint node: Option to fail on non-empty table
- AP-23883: Expose health metrics via standard Java monitoring API
- AP-23860: Extend Expression nodes to handle Date&Times
- AP-23847: Improve Python extension installation robustness, speed and size by using pixi
- AP-23845: Cancel node execution if watchdog detects memory pressure
- AP-23844: Report watchdog metrics to prometheus
- AP-23839: Make KNIME Explorer synchronization less resource intensive on remote end
- AP-23832: "KNIME Audio Processing " marked legacy (due to low usage) - still available via update site but uncategorized
- AP-23807: Support Markdown in Quick Build Mode
- AP-23784: K-AI Quick Build Mode: Support building from scratch, or from multiple nodes
- AP-23756: K-AI Build Mode: Provide port type information to K-AI
- AP-23742: AP to be more error robust (=better error message) when system runs out of temporary disk space, default 100MB space left
- AP-23699: Secrets Retriever node should fetch secrets in parallel
- AP-23663: REST Client Nodes: Split default timeout to 5s connect and 120s read defaults
- AP-23571: Data types to have user-friendly names (e.g. "Set " → "Collection (Set) " or "Period " → "Duration (Date-based) ")
- AP-23090: Google Ads Query node automatically converts column names and values to

human-readable formats.

- AP-22391: Legacy H2O model versions (3.36-) separated into separate hidden extension (no longer installed by default)
- AP-21414: Add most nodes with modern dialog to K-AI build mode
- AP-19774: Decision Tree Learner: Fix links in description
- AP-16092: Ability to load preference profiles from multiple providers in AP
- AP-14592: Become verified publisher of KNIME Analytics Platform Azure App
- BD-1346: (Big Data Extensions): KNIME H2O Sparkling Water Integration uncategorized (to be removed); after marking legacy in 5.3
- BD-1342: (Big Data Extensions): Update Databricks JDBC driver to version 2.7.3
- NXT-3789: Update Equo Chromium 128.0.13
- NXT-3673: Introduce Reset-Before-Upload Handling for Hub/Server Workflows
- NXT-3305: "Reveal in space explorer " to unfold sidepanel
- NXT-3257: Enable embedded dialogs by default
- NXT-3176: "Info " panel for metanodes is empty
- NXT-3108: Enable Copy/Move for items in local space
- NXT-157: Align nodes
- UIEXT-2770: Web UI for Integer Configuration
- UIEXT-2769: Web UI for Double Configuration
- UIEXT-2768: Web UI for String Configuration
- UIEXT-2735: Don’t allow renaming the same column twice in the Column Renamer
- UIEXT-2642: Web UI for Boolean Configuration
- UIEXT-2574: Enable Embedded Component Dialogs
- UIEXT-2530: Web UI for Row Sampler (aka Row Sampling)
- UIEXT-2520: Web UI for Nominal Value Row Splitter
- UIEXT-2519: Web UI for Reference Row Splitter
- UIEXT-2518: Web UI for Reference Column Splitter
- UIEXT-2516: Web UI for Column Splitter
- UIEXT-2513: Web UI for Variable Creator
- UIEXT-2468: WebUI for DB Query Extractor
- UIEXT-2466: WebUI for DB Query Injector

- UIEXT-2465: WebUI for DB Column Filter
- UIEXT-2451: WebUI for DB Column Name Replacer (aka Column Rename (Regex))
- UIEXT-2348: Web UI for Table Column to Variable
- UIEXT-2157: Web UI for String to Duration
- UIEXT-2156: Web UI for Duration to String
- UIEXT-2155: Web UI for Duration Part Extractor (aka Extract Duration Fields)
- UIEXT-2154: Web UI for Duration to Number
- UIEXT-2040: Support binary/integer columns as category
- UIEXT-1670: Web UI for Date&Time Difference
- UIEXT-1657: Web UI for Constant Value Column
- UIEXT-1635: Web UI for Table Partitioner (aka Partitioning)

Bug Fixes

- AP-22425: Python node dialog moves and resets file stores of incoming row-based table (kudos to @mwiegand for reporting 1)
- AP-23659: K-AI code suggestions in multi-expression context doesn't know about columns added before the current expression (kudos to @HaveF for reporting 1)
- AP-23955: Manual Aggregation via GroupBy on a Network column produces error (kudos to @Geo for reporting 1)
- AP-24512: Chemistry type value factories do not adhere to KNIME type system contract (kudos to @richards99 for reporting 1)
- AP-24529: 'Temperature' parameter in HF Hub LLM Selector node does not affect responses (kudos to @Ali_Alkan for reporting 1)
- AP-7499: GraphCell is not registered at extension point (kudos to @badger101 for reporting 1)
- UIEXT-2023: Parallel Coordinates Plot: Selection not working in component with other views (kudos to @rsherhod for reporting 1)
- UIEXT-2761: ColumnFilter overwritten by flow variable behavior changed (kudos to @umutcankurt for reporting 1)
- AP-24382: Port view factory and port spec view factory are flipped for CredentialPortObject
- AP-24316: Excel Reader throws IllegalStateException when reading XLSB and parsing is canceled quickly (e.g. in loop)

- AP-24494: LLM Chat Prompter requires an empty table to be provided when starting a new conversation
- AP-24460: KnimeExtensionArray.to_pylist called with unexpected argument with pyarrow 20
- AP-24394: String flow variables with the value null cause Expressions to fail with NullPointerException
- AP-24353: GPT4All Connectors unnecessarily contact the gpt4all website
- AP-24225: DB Pivot can make AP unresponsive and takes a long time to react on an attempt to cancel execution
- AP-24217: Attempts to log to closed appenders (again)
- AP-24167: Metanode name in Description view data is not encoded (Classic UI)
- AP-24062: Terminal stays open when starting AP on Windows via `knime-hidpi.bat`
- AP-24025: Expression If function returns wrong values for large INTEGER values
- AP-24010: "Build with K-AI " button in Quick Node Add dialog should be bottom-anchored
- AP-24007: Parts of K-AI’s messages are formatted differently
- AP-23975: Python extensions cannot be uninstalled on Windows if there’s a space in the path
- AP-23951: Framework sets NO_PROXY environment variable incorrectly
- AP-23871: Expression diagnostics do not update reliably when inserting columns or from function catalog via double click
- AP-23848: Expression editor steals focus if the node is selected in the embedded mode
- AP-23834: Concatenate: The reported number of skipped rows is not accurate, off by one
- AP-23822: Python Extension Framework hides relevant stack trace if extension import fails
- AP-23778: Very long scripting AI prompt makes AI popup unusable
- AP-23777: Very large expressions can cause a StackOverflowError
- AP-23707: Cannot use modules or packages named "ports " in Python extensions because the name clashes with ports.py in our Databricks extension
- AP-23705: Expression editor not accessible
- AP-23472: String representation of unknown python types show internal types
- AP-23470: Deleting a not-selected expression changes the selection to the previous

expression to the deleted expression

- AP-23451: Remove Top-Level Domain Check in Web Interaction Navigator Node
- AP-22801: Invalid regexes show ugly error message, error obstructed in large embedded mode
- AP-22587: When appending the same table twice using VirtualTable, the second copy gets stuck on the last row
- NXT-3815: Only render node or component view tab outputs for nodes which have a view
- NXT-3809: Table View: Opening view in disabled branch raises com.fasterxml.jackson.databind.JsonMappingException
- NXT-3780: Casing of space items cannot be changed by "rename " in Space Explorer on macOS
- NXT-3653: Retain correct port description on port removal for components
- NXT-3646: Importing KNWF or KNAR file into local space keeps temp files until AP is shut down
- NXT-3549: Component loading can’t be cancelled
- NXT-3346: Cannot Drag and Drop Workflow from Non-Authenticated Hub
- NXT-3333: Opening Temp Copies of Remote Workflows Not Cancelable
- NXT-2905: Ctrl + Enter in node not always triggers node execution
- UIEXT-2795: Inline error messages are not reset when new errors occur
- UIEXT-2794: Unsetting flow variable not applyable in some cases
- UIEXT-2792: Missing (null) valued control flow variable causes a non-user-friendly error message in BarChart
- UIEXT-2791: File chooser component cannot handle non existent drive on windows
- UIEXT-2789: Unsetting deprecated flow variables does not make dialog dirty
- UIEXT-2757: Table View: Illegal Group Reference when used with String Formatter

Nodes changing in KNIME Analytics Platform 5.5.0

New nodes:

- Time Rounder
- Duration Part Extractor
- Duration (Time-based) to Number

- Date Modifier
- Date Rounder
- Date&Time Range Creator
- Date&Time to String
- String to Date&Time
- Date Shifter
- Time Zone Modifier
- Duration Format Manager
- Date&Time Format Manager
- Time Shifter
- Date&Time Difference
- Duration to String
- Time Modifier
- String to Duration
- UNIX Timestamp to Date&Time
- Column Splitter
- Delta Table Reader (Labs)
- DB Column Renamer
- Microsoft Fabric Workspace Connector
- Microsoft Fabric Data Warehouse Connector
- Microsoft OneLake Connector
- Power BI Model Reader
- Power BI Model Refresher
- Google Workload Identity Federation
- Metrics Reader (Testing)
- Formatter to String
- Anthropic LLM Selector
- Gemini LLM Selector
- IBM watsonx.ai Embedding Model Selector
- Vertex AI Connector

- Tool Message Output
- LLM Chat Prompter
- Agent Chat View
- Agent Prompter
- Workflow to Tool
- Message Creator
- IBM watsonx.ai Authenticator
- Google AI Studio Authenticator
- Anthropic Authenticator
- Message Part Extractor
- IBM watsonx.ai LLM Selector
- Gemini Embedding Model Selector
- SAP BW Text
- SAP Document - SAP Document(SDOK) Read
- SAP S4 Hana BW Text
- SAP PBS Archive
- SAP Text Read
- SAP Document - SAP Office Document(SO) Read
- SAP S4 Hana BW Hierarchy
- SAP Document - AL11 Read
- SAP Analytics Cloud Read
- SAP Document - ASR Read
- SAP Analytics Cloud Write
- SAP SuccessFactors Write
- SAP S4 Hana BW Read
- SAP Query
- SAP Report File Read
- SAP Document Read - ALINK
- Epik
- FEP+ Parser

- FEP+ Reader
- GZip Decompress (Un-gzip) Binary Object
- Detect Binary Objects Compression Formats
- Binary Object to Base64-Encoded String
- Expand Binary Objects Archives
- List Binary Objects Compression Formats
- UnZip Binary Object
- Binary Object Message Digest (Checksum)
- Zip Binary Object
- PDB Connector Hit Count
- List Binary Objects Archive Contents
- Compress Binary Objects
- Binary Object Properties
- GZip Compress Binary Object
- List Binary Objects Archive Formats
- Archive Binary Objects
- Decompress Binary Objects
- Detect Binary Objects Archive Formats
- Base64-Encoded String to Binary Object
- Spatial GM Combo Het
- Spatial GM Error Het
- Spatial GM Endog Error Het
- Spatial GM Endog Error
- Spatial GM Error Hom
- Spatial GM Endog Error Hom
- Spatial GM Error
- Spatial GM Combo
- Spatial GM Combo Hom
- Bivariate Local Moran’s I
- Bivariate Global Moran’s I

- Line To Polygon
- FCL Converter

Nodes replaced, old nodes deprecated:

- HF TGI LLM Connector (deprecated)
- Agent Prompter (deprecated)
- Local GPT4All LLM Connector (deprecated)
- OpenAI LLM Connector (deprecated)
- HF Hub LLM Connector (deprecated)
- Azure OpenAI LLM Connector (deprecated)
- OpenAI Functions Agent Creator (deprecated)
- Chat Model Prompter (deprecated)
- Vector Store to Tool (deprecated)
- Tool Concatenator (deprecated)
- Modify Time Zone (deprecated)
- Modify Date (deprecated)
- Duration to Number (deprecated)
- Date&Time Difference (deprecated)
- String to Duration (deprecated)
- Date&Time to String (deprecated)
- Date&Time Shift (deprecated)
- UNIX Timestamp to Date&Time (deprecated)
- Extract Duration Fields (deprecated)
- Duration to String (deprecated)
- Column Splitter (deprecated)
- String to Date&Time (deprecated)
- Modify Time (deprecated)
- Create Date&Time Range (deprecated)
- DB Column Rename (deprecated)
- PDB SMILES Query (deprecated)
- Stereoizer (deprecated)

- Tautomerizer (deprecated)
- Desalter (deprecated)
- Ionizer (deprecated)
- Neutralizer (deprecated)
- FEP+ Reader (deprecated)
- Upload Server workflow as LiveDesign Model (deprecated)

Nodes declared legacy:

- Box Plot (JavaScript) (legacy)
- Tag Cloud (JavaScript) (legacy)
- Parallel Coordinates Plot (JavaScript) (legacy)
- Stacked Area Chart (JavaScript) (legacy)
- Sunburst Chart (JavaScript) (legacy)
- Heatmap (JavaScript) (legacy)
- Table View (JavaScript) (legacy)
- Table Editor (JavaScript) (legacy)
- Line Plot (JavaScript) (legacy)
- Scatter Plot (JavaScript) (legacy)
- CSS Editor (legacy)
- ROC Curve (JavaScript) (legacy)
- Lift Chart (JavaScript) (legacy)
- Conditional Box Plot (JavaScript) (legacy)
- Bar Chart (JavaScript) (legacy)
- Generic JavaScript View (JavaScript) (legacy)
- Decision Tree View (JavaScript) (legacy)
- Histogram (JavaScript) (legacy)
- Pie/Donut Chart (JavaScript) (legacy)
- Tile View (JavaScript) (legacy)
- Spark H2O MOJO Predictor (Word Embedding) (legacy)
- Spark H2O MOJO Predictor (Regression) (legacy)
- Spark H2O MOJO Predictor (Isolation Forest) (legacy)

- Spark H2O MOJO Predictor (Classification) (legacy)
- Spark H2O MOJO Predictor (Cluster Assigner) (legacy)
- Spark H2O MOJO Predictor (Dimension Reduction) (legacy)
- Spark H2O MOJO Predictor (Autoencoder) (legacy)
- Audio Viewer (legacy)
- Acoustic Feature Extractor (legacy)
- List Audio Files (legacy)
- Audio Data Extractor (legacy)
- URL to Audio (legacy)
- IBM Watson SR (legacy)
- Bing SR (legacy)
- CMUSphinx4 SR (legacy)
- Repository File Chooser Configuration (legacy)
- List Box Configuration (legacy)

Nodes renamed:

- Databricks Chat Model Connector → Databricks LLM Selector
- HF Hub Chat Model Connector → HF Hub LLM Selector
- OpenAI Embeddings Connector → OpenAI Embedding Model Selector
- Databricks Embedding Connector → Databricks Embedding Model Selector
- Local GPT4All Chat Model Connector → Local GPT4All LLM Selector
- DeepSeek Chat Model Connector → DeepSeek LLM Selector
- HF TGI Chat Model Connector → HF TGI LLM Selector
- OpenAI Chat Model Connector → OpenAI LLM Selector
- KNIME Hub Embeddings Connector → KNIME Hub Embedding Model Selector
- GPT4All Embeddings Connector → GPT4All Embedding Model Selector
- Azure OpenAI Embeddings Connector → Azure OpenAI Embedding Model Selector
- HF TEI Embeddings Connector → HF TEI Embedding Model Selector
- Azure OpenAI Chat Model Connector → Azure OpenAI LLM Selector
- HF Hub Embeddings Connector → HF Hub Embedding Model Selector

- KNIME Hub Chat Model Connector → KNIME Hub LLM Selector
- Row Sampling → Row Sampler
- Create Table Structure → Table Structure Creator
- Partitioning → Table Partitioner
- Column Rename (Regex) → Column Name Replacer
- Workflow Service Output → Workflow Output
- Workflow Service Input → Workflow Input
- DB Column Rename (Regex) → DB Column Name Replacer
- Epik → Epik Classic

Extensions changing in KNIME Analytics Platform 5.5.0

New extensions:

- KNIME Google Workload Identity Federation

Extensions declared legacy:

- KNIME H2O Sparkling Water Integration (Legacy)
- KNIME Extension for MOJO nodes on Spark (Legacy)

Community Extensions

Partner Extensions

Extension	Contributor	Changes
ChemAxon/Infocom JChem Extensions Feature	INFOCOM CORPORATION	**Available**
ChemAxon/Infocom Marvin Extensions Feature	INFOCOM CORPORATION	**Available**
Schrödinger Extensions for KNIME	Schrödinger LLC	Available soon
MOE Extensions for KNIME	Chemical Computing Group ULC	**Available**

Pharmacelera extensions	Pharmacelera S.L.	**Available**
Spotfire File Nodes	TIBCO Spotfire	**Available**
Symanto Brain	Symanto	**Available**
Market Simulation nodes	Decision Ready, LLC	**Available**
Metadata-Hub Extension	GRAU DATA GmbH	**Available**
KNIME Connector for SAP(KCS) Nodes	De Villiers Walton Ltd.	**Available**
KNIME H2O Driverless AI Integration	H2O.ai	Not available anymore since 5.0
LigandScout Extensions for the KNIME Workbench	Inte:Ligand GmbH	Not available anymore since 5.4
exorbyte extension	exorbyte GmbH	Not available anymore since 5.4

Trusted Community Extensions

Extension	Status
RDKit Nodes Feature	**Available**
Vernalis KNIME Nodes	**Available**
Generic Workflow Nodes for KNIME	**Available**
Lhasa	**Available**
Slack Integration	**Available**
AF Utility Nodes	**Available**
KNIME Groovy Scripting extension	**Available**
KNIME HCS Tools	**Available**
KNIME Python Scripting extension	**Available**
KNIME R Scripting extension	**Available**

Extension	Status
KNIME Matlab Scripting extension	**Available**
Continental Nodes for KNIME	**Available**
Genentech	**Available**
Geospatial Analytics Extension	**Available**
Neo4J	**Available**
KNIME Image Processing	**Available**
OpenMS	**Available**
Redfield NLP Nodes	Available soon
Redfield Privacy Nodes	**Available**
Redfield Conformal Prediction Nodes	**Available**

Experimental Community Extensions

Extension	Changes
CIR KNIME Integration	**Available**
Process Mining Extension	**Available**
Apprise Nodes	**Available**
Erlwood KNIME Open Source	**Available**
KNIME Shapefile Support	**Available**
Indigo KNIME integration	**Available** - Not working on macOS because of a bug in Indigo
AI.Associates Signal Processing	**Available**
Enalos Nodes for KNIME	**Available**
FSK-Lab	**Available**
PIA	**Available**

Extension	Changes
Redfield BERT Nodes	Available soon
Visualization for supply chains	**Available** - New since 2023
BIM - Building Information Modelling Extension for KNIME (IFC)	**Available** - New since 2023
Smartsheet extension	**Available** - New since 2024
Redfield PST Nodes	Available soon - New since 2024
Chem AI Extension	Available soon - New since 2024
Salesforce Extension	**Available** - New since 2024
SATELLiTES Extension	**Available** - New since 2024
FMI KNIME Plugins	**Available** - Revived in 2024
Vision transformers extension	**Available** - New since 2025
FCL Data Converter	**Available** - New since 2025
Social Science Nodes	**Available** - New since 2025
Memgraph extension	**Available** - New since 2025
Search Analytics Node	**Available** - New since 2025
Personal Storage Table	Available soon - New since 2025
KNIME-CDK	**Available** - Moved to Experimental 2024 - ChemSpider node deprecated due to API change
Word2Vec	Not available anymore since 5.3
3D-e-Chem KNIME nodes	Not available anymore since 5.3
AIA Insights Bioactivity Predictor	Not available anymore since 5.1 - New since 2023
MMI Data Analytics Nodes	Not available anymore since 5.2

Extension	Changes
OrientDB	Not available anymore since 5.1

KNIME AG
Talacker 50
8001 Zurich, Switzerland
www.knime.com
info@knime.com