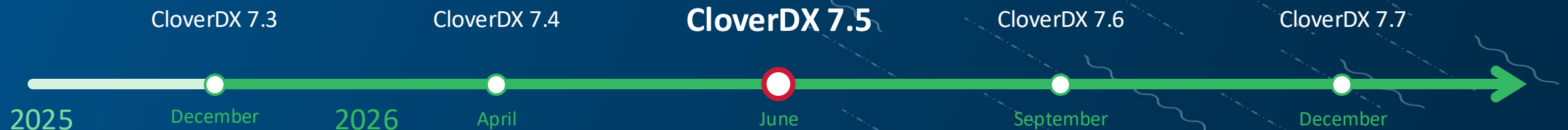


What's New in CloverDX 7.5

Branislav Repcek, VP, Product
8th July 2026

CloverDX releases

- **Four feature releases per year**
- **Maintenance releases as needed**



HIGHLIGHTS

CloverDX 7.5

AI DEV ACCELERATION

- **Introducing AI Assistant in Designer**

TECH PREVIEW

- ✓ Agentic AI development companion, architect & troubleshooter
- ✓ Seamless integration of AI coding experience into Designer

- **3rd party AI IDEs support for job building**

- ✓ Use external IDEs (Claude Code, Codex, ...) to build CloverDX jobs

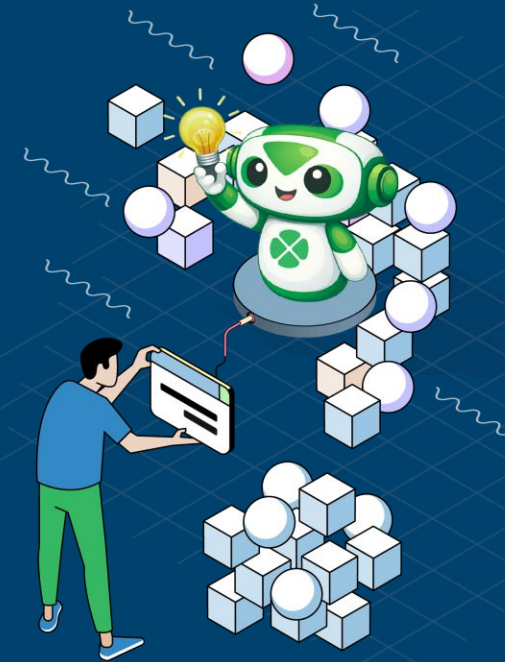
END-USER EXPERIENCE

- **SDK for custom UIs in Data Manager**

- ✓ Build your own customized Data Manager experience

- **Business Tools improvements**

- ✓ Data set categories in Data Manager
- ✓ Use groups to manage permissions in Wrangler and Data Manager
- ✓ Usability and performance improvements





AI Assistant Developer Productivity Booster

TECH PREVIEW

Let AI do the development work for you.
More time on design, review, and delivery.

AI Assistant for developers in Designer

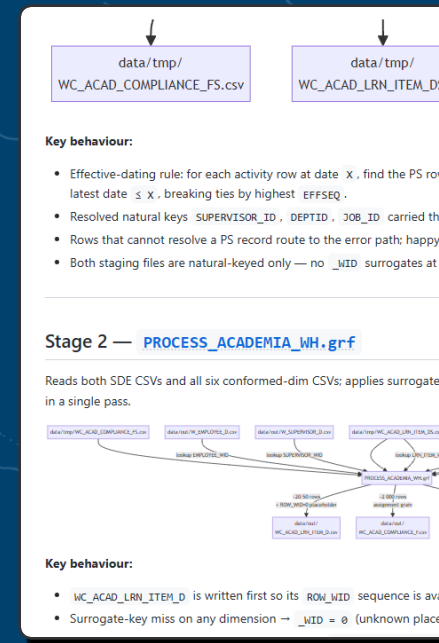
- Use it as a **companion, architect and troubleshooter**
- Offload development & documentation tasks to AI
- Turns specs into architecture and implementation plans
- Investigate & troubleshoot problems



AI



BYOK or BYOM – no CloverDX service or tokens




AI Assistant
TECH PREVIEW
PostgreSQL Warehouse Migration

14523k in (12282k cached) · 32k out

Start with S001.

Starting S001 — I'll mark it approved/in progress, then hand the schema work to a Developer.

Used 8 tools

Developer is creating the PostgreSQL initialization SQL now.

Developer — Implement S001 by creating 'data-in/initializat... done

S001 build is complete; I'll mark it ready for review and refresh STATE.

Used 4 tools

S001 is ready for review.

Created: [DbInstallPostgres.sql](#)

It preserves the warehouse table contract, uses PostgreSQL identity keys/types, seeds `generator_cfg`, and adds indexes for dimension lookup, fact reporting, and logs. No connection config was changed.

If it looks good, say "accept S001" and I'll mark it done, then we can start S002.

666k in (248k cached) · 5.3k out · gpt-5.5

Type a message. Enter to send, Shift+Enter for newline.

Send



Companion

Turn to AI with questions while you work on your project. Offload mechanical tasks to AI.

"Help me understand this data?"

"Build me a graph that does this."

"Add this logic to this piece of CTL code."

"How do I connect to this API?"



Architect

Provide a spec or chat your way through it. Let AI document, plan and do the work for you.

"Read specs in this folder and let's plan"

"Go ahead with sprint 002"

"Where are we with implementation?"

"Orient yourself in this old project"



Troubleshooter

Save time sifting through logs. Identify and resolve issues.

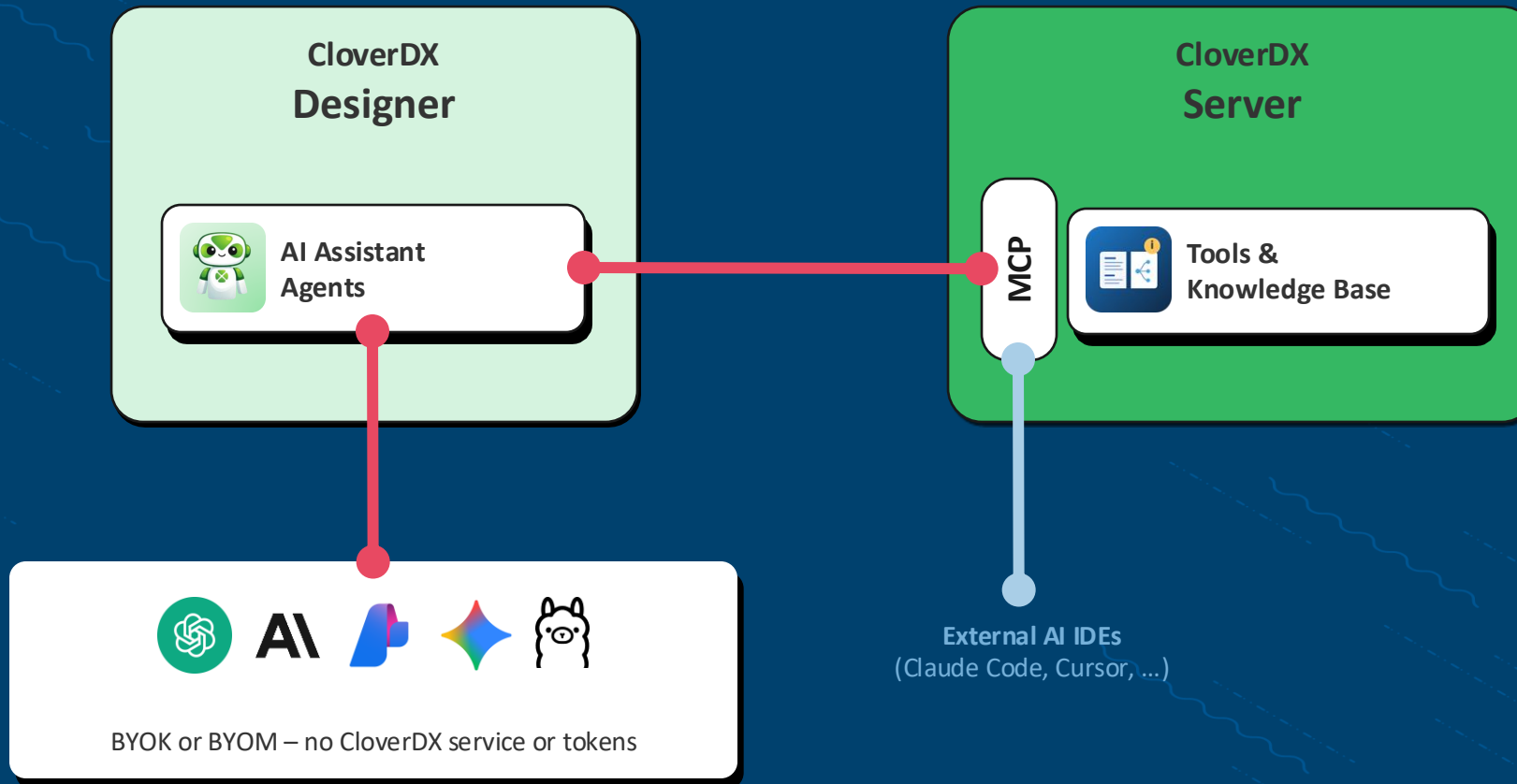
"Why is this graph failing?"

"Go ahead with the proposed fix."

"Ops reported failed jobs last night, investigate."

"Users have reported incorrect data from yesterday's run..."

How does Designer Assistant work?



CloverDX MCP Server

- **MCP API published directly by CloverDX Server**

- ✓ [http\(s\)://cloverdx-server-host:port/clover/mcp/mcp](http(s)://cloverdx-server-host:port/clover/mcp/mcp)
- ✓ Connect with any MCP-compatible client (Claude, ChatGPT, ...)

- **50+ tools that allow wide range of interactions with the Server**

- ✓ **Diagnostic tools** (logs, monitoring, ...) aimed at support teams to help maintain CloverDX environments
- ✓ **Developer tools** (working with files, job validation, ...) to power the Designer Assistant or external tooling

component_get_guide
component_get_info
component_list
db_execute_query
db_get_schema
graph_edit_properties
graph_edit_structure
graph_list_elements
graph_resolve_edge_schemas
job_abort
job_wait
job_get_edge_debug_data

job_get_log
job_get_status
job_get_tracking
job_list
job_plan
job_run
job_validate
knowledge_base_read
knowledge_base_search
knowledge_list_resources
knowledge_project_delete
knowledge_project_read

knowledge_project_search
knowledge_project_store
knowledge_read_resource
note_add
note_clear
note_read
report_support_issue
sandbox_analyze_file
sandbox_copy_file
sandbox_create_directory
sandbox_delete_directory
sandbox_delete_file

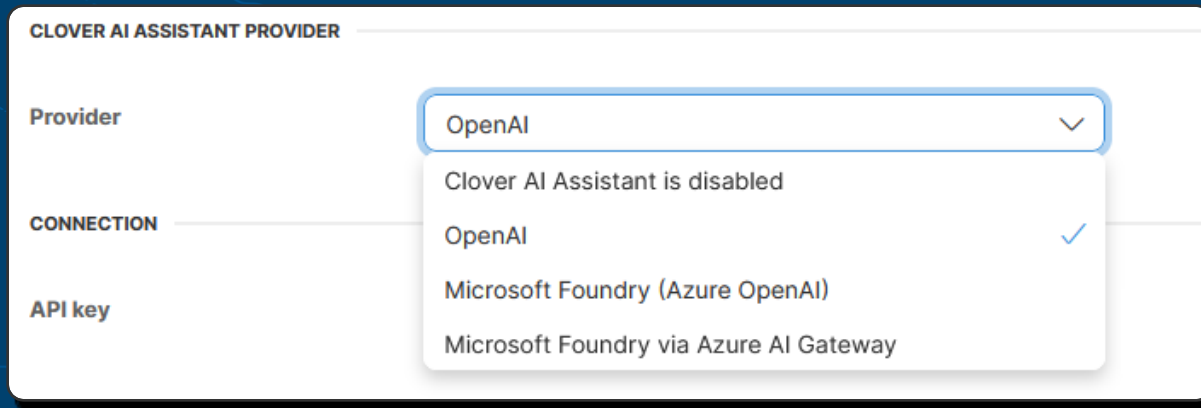
sandbox_find_file
sandbox_get_detail
sandbox_get_workspace_parameters
sandbox_git
sandbox_grep_files
sandbox_list
sandbox_list_assets
sandbox_list_files
sandbox_patch_file
sandbox_read_file
sandbox_rename_file
sandbox_write_file

server_db_execute_query
server_db_get_schema
server_deployment
server_logs_search
server_perf_logs_query
task_workflow_get
think

Improved AI connectivity

- **Use Azure API Manager**

- ✓ Connect to OpenAI-compatible models via Azure API Manager (“AI Gateway”)
- ✓ Use in Wrangler Assistant, Designer Assistant, AIClient component

A screenshot of the "CLOVER AI ASSISTANT PROVIDER" configuration window. It has three sections: "Provider", "CONNECTION", and "API key". The "Provider" section has a dropdown menu currently showing "OpenAI". The "CONNECTION" section is currently empty. The "API key" section is also empty. A dropdown menu is open, showing the following options: "OpenAI" (with a checkmark), "Clover AI Assistant is disabled", "Microsoft Foundry (Azure OpenAI)", and "Microsoft Foundry via Azure AI Gateway".

Section	Value
Provider	OpenAI
CONNECTION	
API key	

- OpenAI ✓
- Clover AI Assistant is disabled
- Microsoft Foundry (Azure OpenAI)
- Microsoft Foundry via Azure AI Gateway

Categories in Data Manager

- **Assign user-defined category to each data set**
 - ✓ More effective data set management

Data set name *

Data set code

Category (optional)

Assign this data set to a category to better organize your data.

Description (optional)

- AD** Address validation (3 data sets)
- CO** Common (2 data sets)
- HU** HubSpot (5 data sets)
- RE** Real estate (4 data sets)



Data Manager > Reference Data Sets

Reference Data Sets

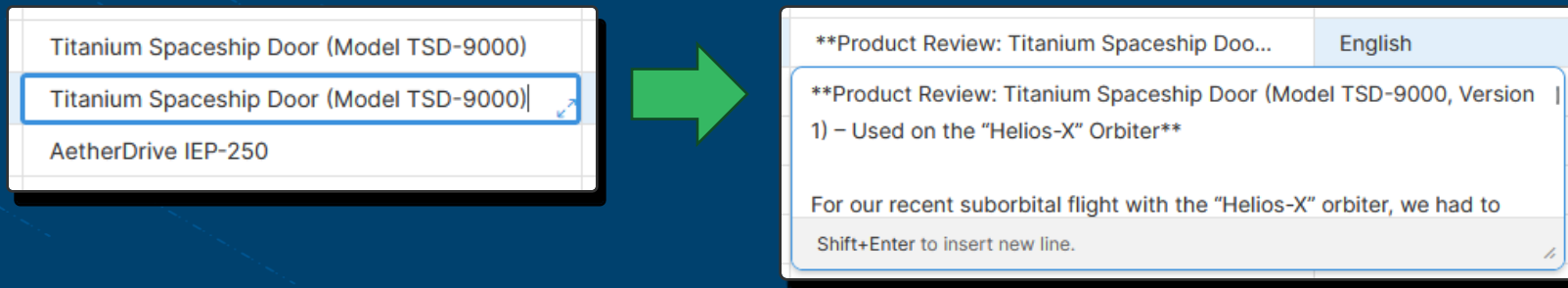
Search

NAME ↓	ROWS	LAST UPDATE	STATUSES
AD Address validation 3			
CountryAliases	1292	18 Jun at 17:00	1292
CountryCodes	249	18 Jun at 17:00	249
USASStateCodes	51	18 Jun at 17:00	51
CO Common 2			
YesNo	2	18 Jun at 17:00	2
YesNoMaybe	3	today at 11:45	3
RE Real estate 2			
BuildingStyle	20	18 Jun at 17:00	20
Cooling	10	18 Jun at 17:00	10

Usability improvements

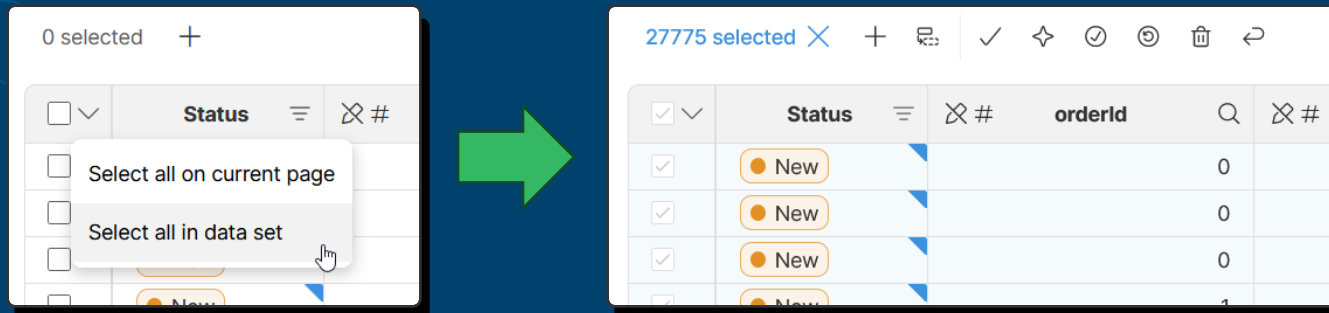
- **Improved editing experience for long or multi-line values**

- ✓ Expandable editor with support for new lines and long text



- **Multi-select can now select more than one page of rows**

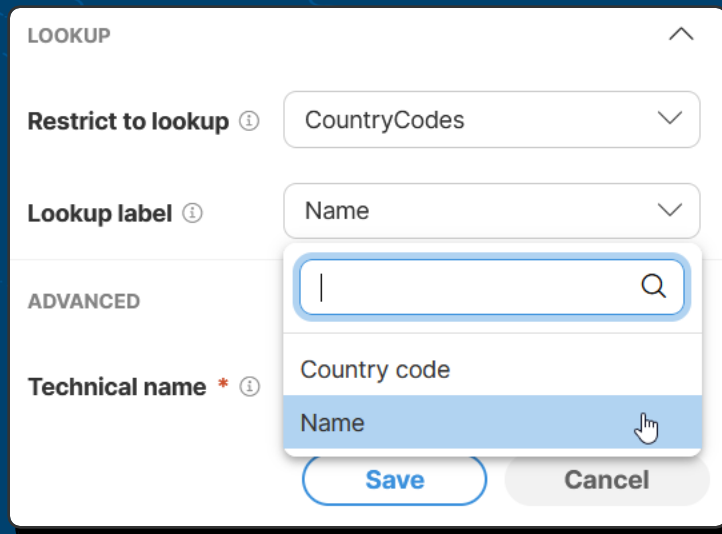
- ✓ Perform actions on large selections



Reference data sets improvements

Lookup label selection

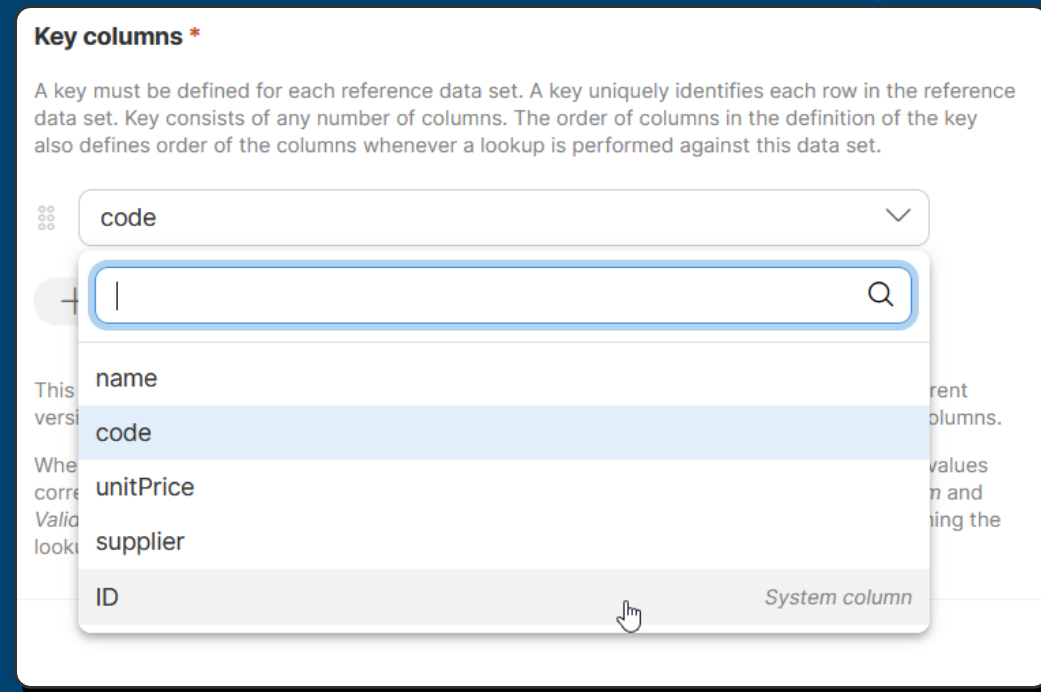
Avoid hard-coded “label” column and choose when lookup is used.



The screenshot shows a 'LOOKUP' configuration dialog. It has a 'Restrict to lookup' dropdown set to 'CountryCodes'. Below it, the 'Lookup label' dropdown is set to 'Name'. An 'ADVANCED' section is visible, containing a 'Technical name' field with a red asterisk. A search dropdown is open, showing 'Country code' and 'Name' as options, with 'Name' selected. 'Save' and 'Cancel' buttons are at the bottom.

Autogenerated column as key

Use `_id` column as key, no need to maintain additional columns



The screenshot shows a 'Key columns' configuration dialog. It includes an explanatory text: 'A key must be defined for each reference data set. A key uniquely identifies each row in the reference data set. Key consists of any number of columns. The order of columns in the definition of the key also defines order of the columns whenever a lookup is performed against this data set.' Below the text is a search dropdown with a list of columns: 'code', 'name', 'code', 'unitPrice', 'supplier', and 'ID'. The 'ID' column is highlighted and marked as a 'System column'.

Data Manager customization framework

- **Customize Data Manager like Data Apps**

- ✓ Deploy branding zip with Data Manager resources

```
webapps.branding.resourceFilePath=D:/.../customization.zip  
webapps.branding.useCache=false
```

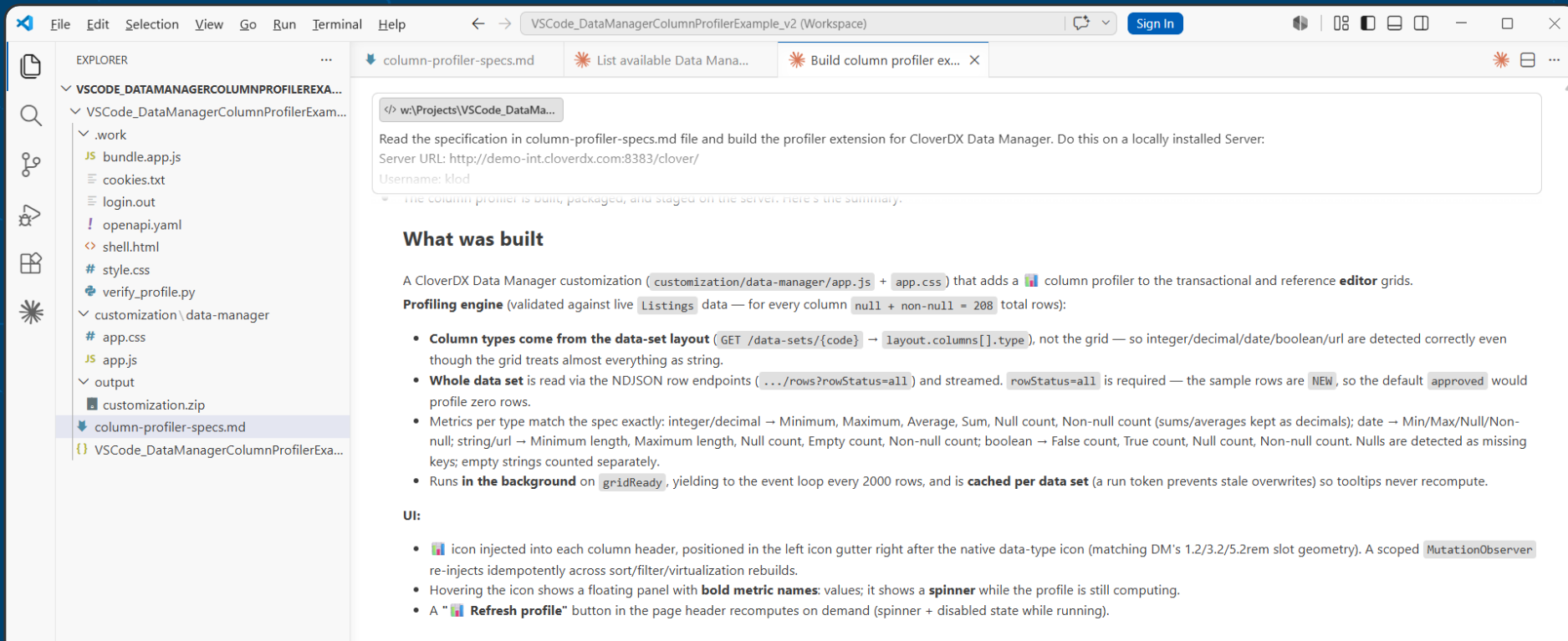
- **Data Manager JavaScript API**

- ✓ Set of custom hooks to react to Data Manager events
- ✓ Expose context to injected JavaScript
- ✓ Notification system
- ✓ And more

AI skills for Data Manager

- A set of skills to help AI agents understand how Data Manager works

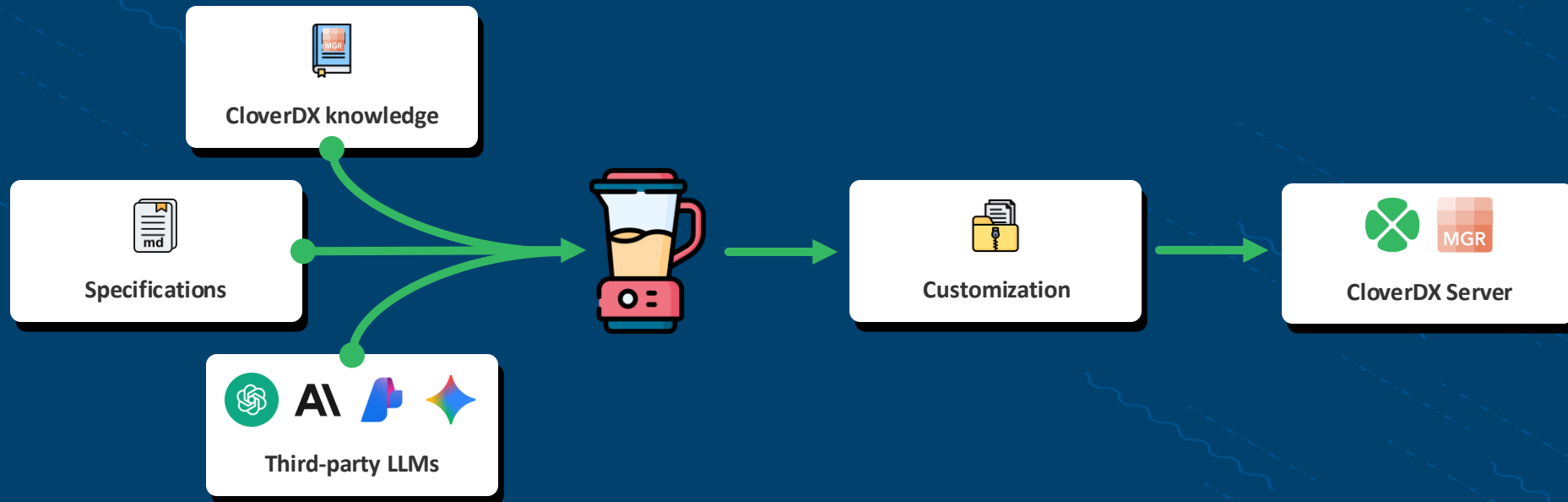
✓ <https://github.com/cloverdx/cloverdx-datamanager-skills>



Data Manager SDK + AI skills

- **Help our customers use AI to build their Data Manager customizations**

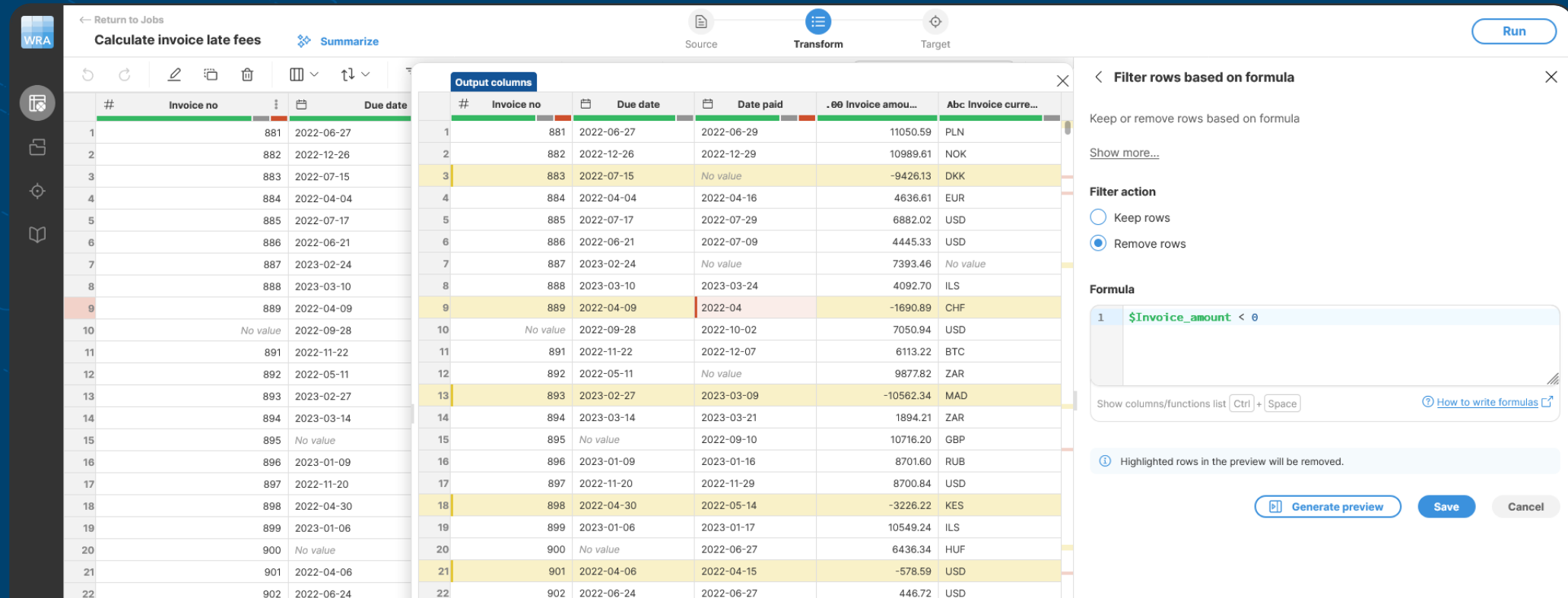
- ✓ SDK provides internal API for apps to work with data grid
- ✓ AI skills help agents understand how Data Manager works



Wrangler improvements

More powerful dynamic previews

- ✓ Highlight rows matching filtering conditions

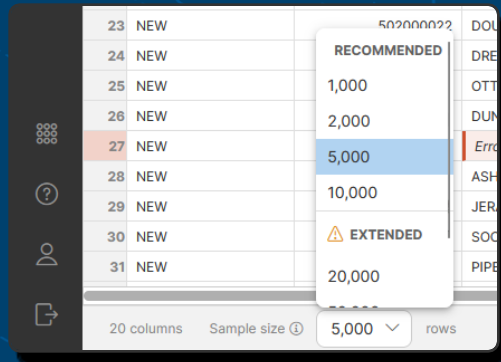


The screenshot displays the CloverDX Wrangler interface. On the left, a sidebar contains navigation icons. The main workspace is titled "Calculate invoice late fees" and includes a "Summarize" button. Below the title bar, there are tabs for "Source", "Transform", and "Target". The "Transform" tab is active, showing a data table with columns: #, Invoice no, Due date, Date paid, .00 Invoice amou..., and Abc Invoice curre....

The table contains 22 rows of data. Rows 3, 9, 13, 18, 20, and 21 are highlighted in yellow, indicating they match the filtering conditions. The "Filter rows based on formula" panel on the right is open, showing the filter action "Remove rows" and the formula `$Invoice_amount < 0`. The panel also includes a "Generate preview" button and a "Save" button.

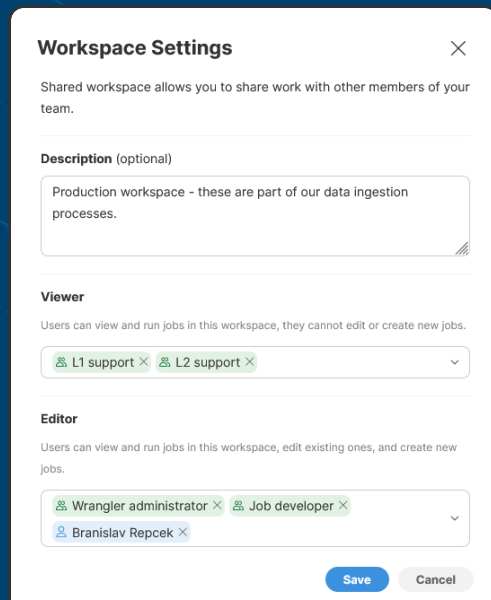
#	Invoice no	Due date	Date paid	.00 Invoice amou...	Abc Invoice curre...
1	881	2022-06-27	2022-06-29	11050.59	PLN
2	882	2022-12-26	2022-12-29	10989.61	NOK
3	883	2022-07-15	No value	-9426.13	DKK
4	884	2022-04-04	2022-04-16	4636.61	EUR
5	885	2022-07-17	2022-07-29	6882.02	USD
6	886	2022-06-21	2022-07-09	4445.33	USD
7	887	2023-02-24	No value	7393.46	No value
8	888	2023-03-10	2023-03-24	4092.70	ILS
9	889	2022-04-09	2022-04	-1690.89	CHF
10	No value	2022-09-28	2022-10-02	7050.94	USD
11	891	2022-11-22	2022-12-07	6113.22	BTC
12	892	2022-05-11	No value	9877.82	ZAR
13	893	2023-02-27	2023-03-09	-10562.34	MAD
14	894	2023-03-14	2023-03-21	1894.21	ZAR
15	895	No value	2022-09-10	10716.20	GBP
16	896	2023-01-09	2023-01-16	8701.60	RUB
17	897	2022-11-20	2022-11-29	8700.84	USD
18	898	2022-04-30	2022-05-14	-3226.22	KES
19	899	2023-01-06	2023-01-17	10549.24	ILS
20	900	No value	2022-06-27	6436.34	HUF
21	901	2022-04-06	2022-04-15	-578.59	USD
22	902	2022-06-24	2022-06-27	446.72	USD

Wrangler improvements



- **Select number of records in the initial data sample**

- ✓ Previous versions always use 1000 rows in sample
- ✓ Using higher values can help you see behavior of your transformation better



- **Use groups to configure workspace permissions**

- ✓ Easily manage many users
- ✓ Also available in Data Manager in data set permission configuration

Data App improvements

- **Run apps without parameters immediately**

- ✓ Apps with flash icon run without showing the screen with run button

Customers

**Customer overview report** ⚡
Report of number of customers per state including error rates overview per column.

**Load More Customers**
Load additional customers into the Customers data sets. All data loaded is randomly generated.

**Process Approved Customers** ⚡
Process approved customer rows and mark them as committed.

**Rebuild Customers Data Set** ⚡
Recreate Customers data set. Any data stored in the data set will be deleted.

- **Refresh data sets in Data Manager**

- ✓ Apps can notify Data Manager about changes to show notification to users

 **Load More Customers finished.** ✕

[Refresh data](#) [Open details](#)

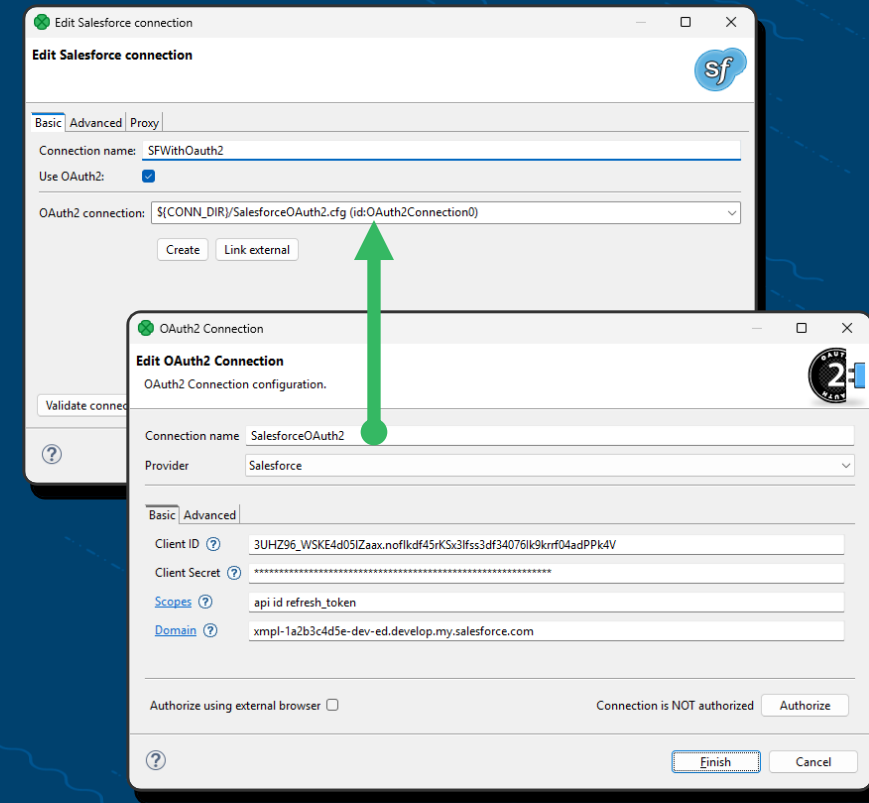
Other improvements 1

- **Salesforce connections with OAuth2 authentication**

- ✓ Salesforce will remove username & password authentication in their Summer 2027 release
- ✓ **All Salesforce components** can now use **both authentication methods** giving you enough time to switch your projects

- **S3 protocol update**

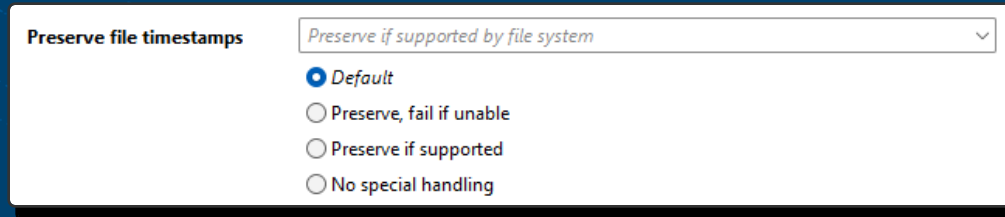
- ✓ Reimplementation with newer AWS SDK for improved security and compatibility with AWS services
- ✓ Same features as previous implementation, no changes needed in your jobs



Other improvements 2

- **CopyFiles and MoveFiles timestamp handling**

- ✓ Unified and more predictable handling of last modified timestamp

A screenshot of a software dialog box titled "Preserve file timestamps". It features a dropdown menu at the top with the text "Preserve if supported by file system". Below the dropdown are four radio button options: "Default" (which is selected), "Preserve, fail if unable", "Preserve if supported", and "No special handling".

Preserve file timestamps

Preserve if supported by file system

☒ Default

☐ Preserve, fail if unable

☐ Preserve if supported

☐ No special handling

- ✓ **No change needed unless you rely on the timestamps being set certain way**
 - Use *No special handling* to retain behavior from previous versions
- ✓ Behavior depends on the file system – not all provide or allow changing the timestamp
- ✓ More details in [documentation](#)

Q & A

CloverDX 7.5

Release notes: <https://support.cloverdx.com/releases/7.5>

Documentation: <https://doc.cloverdx.com/latest/>