

# Altair® Compose™ 2026

RELEASE NOTES

# NEW FEATURES

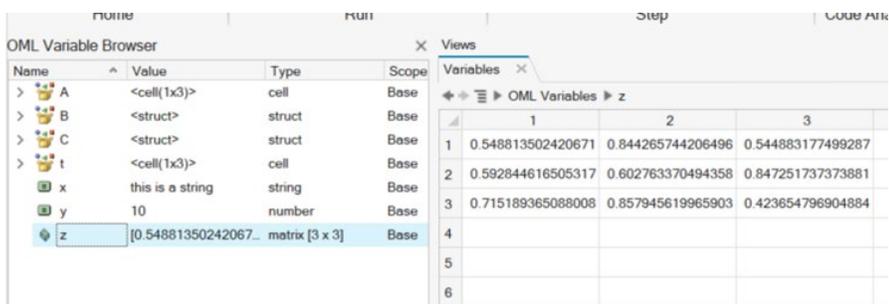
## User Interface

### Variable Browser

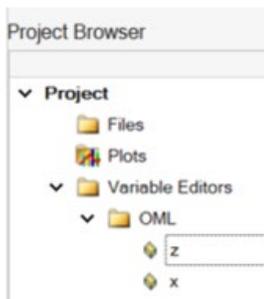
The Views Browser now also supports cell arrays and structs, providing a spreadsheet-like viewing experience for navigation and inspection of variables.

Support is extended for Python lists and dictionary datatype for navigation and inspection of variables.

When you double-click the variable name in the Variable Browser, the data is displayed in a table format.



Each variable is displayed in its own grid, and each grid is listed in the Project Browser, named after the variable itself.



To navigate through nested cell arrays and struct data types, double-click to view their values.

Project Browser

- Project
  - Files
  - Plots
  - Variable Editors
    - OML
      - t

OML Variable Browser

Name	Value
A	<cell(1x3)>
B	<struct>
C	<struct>
t	<cell(1x3)>
(1,1)	this is a string
(1,2)	10
(1,3)	[0.0871292970841751 0.3682415374...
x	this is a string
y	10
z	[0.0871292970841751 0.3682415374...

Variables

Variable	Value	
this is a string	10	<matrix(3x3)>

Project Browser

- Project
  - Files
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        - t(1,3)<matrix(3x3)>

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Variables

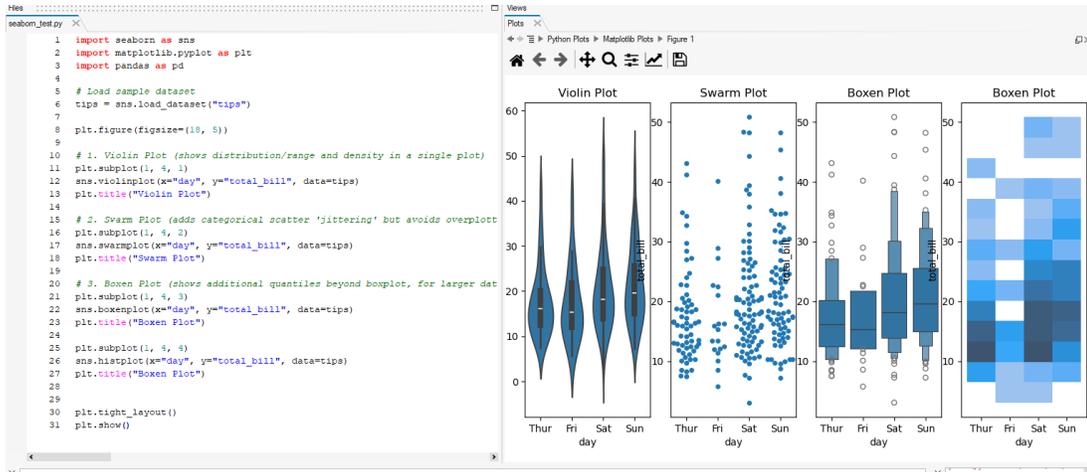
Variable	Value
t(1,3)<matrix(3x3)>	[0.0871292970841751 0.368241537478752 0.77815675700549 0.648171876673587 832619842956774 140350777539425 0.02021839923691 957155154435895 870012145373039]

For more information, see [Variables Tab](#).

# Python

## Python Plots

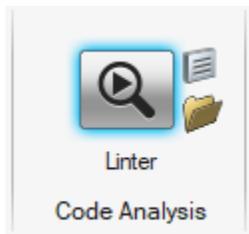
Python plot management is enhanced with support of the Seaborn library under the Matplotlib category.



For more information, see [Python Plots](#).

## Code Analysis for Python

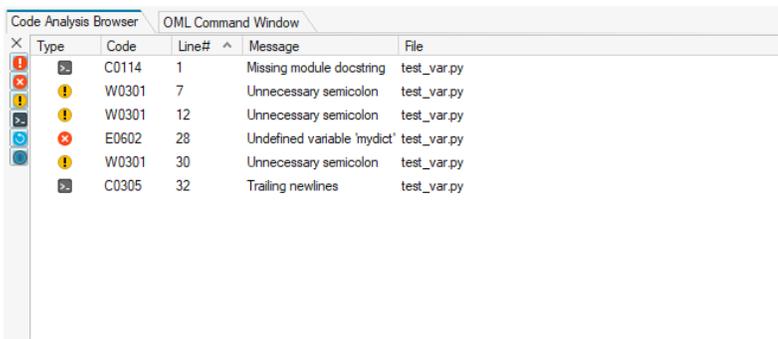
Pylint, a static code analyzer, can identify errors, warnings, or code that can be refactored without running the Python file.



This helps you identify a wide range of potential issues, such as syntax errors, runtime failures and performance bottlenecks, which can be difficult to find by other means.

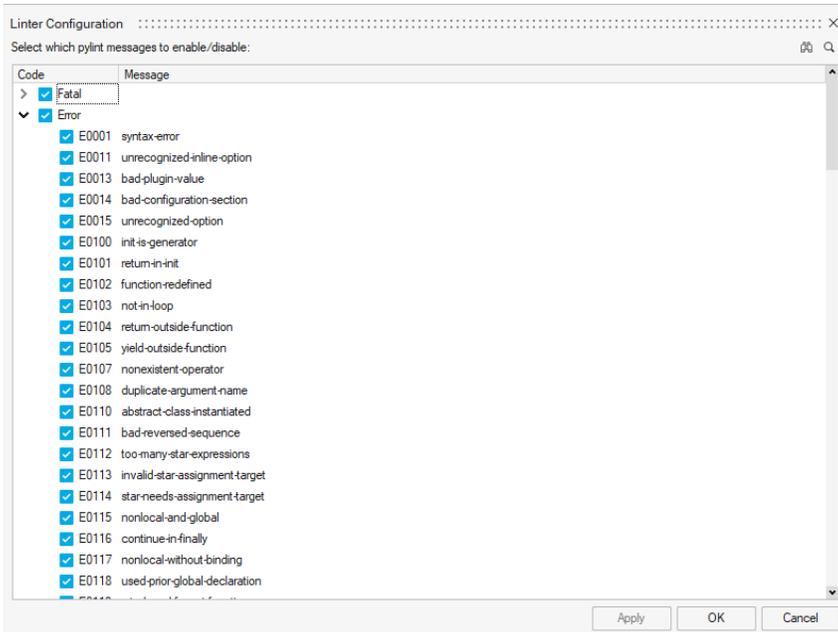
By identifying these issues early, static code analysis can help you avoid costly mistakes and improve the quality of their code, with coding standards and guidelines.

The results of the analysis are displayed in the Code Analysis Browser.



Type	Code	Line#	Message	File
	C0114	1	Missing module docstring	test_var.py
	W0301	7	Unnecessary semicolon	test_var.py
	W0301	12	Unnecessary semicolon	test_var.py
	E0602	28	Undefined variable 'mydict'	test_var.py
	W0301	30	Unnecessary semicolon	test_var.py
	C0305	32	Trailing newlines	test_var.py

The Linter Configuration dialog displays all available issues that Pylint can report.



For more information, see [Code Analysis](#).

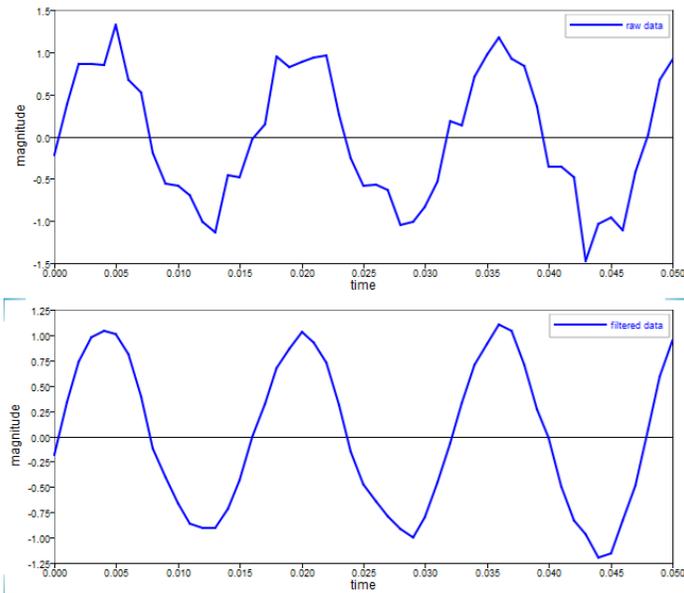
## OML

### Signal Processing New Commands

The new Savitsky-Golay commands can remove high-frequency noise while preserving the original signal's shape, features, and relative maxima/minima.

- **sgolay**: Savitsky-Golay filter coefficients. Computes the filter coefficients for all Savitsky-Golay smoothing filters of order  $p$  for length  $n$  (odd).  $m$  can be used to directly get the  $m$ th derivative. For more information, see [sgolay](#).

- **sgolayfilt**: Savitsky-Golay filter. Smooth the data in  $x$  with a Savitsky-Golay smoothing filter of polynomial order  $p$  and length  $n$ ,  $n$  odd,  $n > p$ . For more information, see [sgolayfilt](#).



## ENHANCEMENTS

### OML

#### Optimization

ga syntax has been expanded to support discrete design variables. This lets you effectively explore large, complex, and often non-linear search spaces with discrete variables in combinatorial optimization problems.

#### Differential Equations

ode45 now has a benchmark Runge-Kutta method, which uses the Dormand-Prince 4(5) Butcher tables instead of the Sundials default, and Zonneveld 3(4) as default to match industry standards.

To obtain legacy results, set the Version to a value earlier than 2026 with odeset. This option will be removed in a future version.



# Debugger

## HW + Compose Debugger

Performance while debugging has been improved. You can now select from the hm syntax auto-suggestion keyword list using the mouse.

# Python

## Version 3.10.18

Python in Compose has been updated to version 3.10.18.

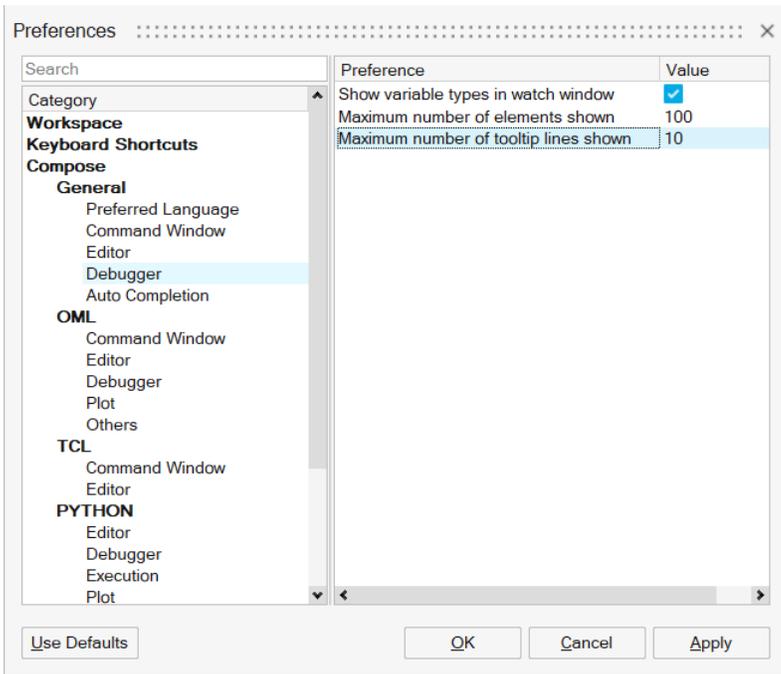
## Libraries

- Tensorflow is no longer installed by default. Instead, PyTorch 2.7.1 is installed as a default library.
- Newly added libraries: ndindex, numexpr, pathspec, py-cpuinfo, PyQt-builder, seaborn, sphinxcontrib-applehelp, sphinxcontrib-devhelp, sphinxcontrib-htmlhelp, sphinxcontrib-jsmath, sphinxcontrib-qthelp, sphinxcontrib-serializinghtml, torch, types-setuptools, nvidia

# User Interface

## Preferences

You can now customize the number of lines displayed in a tooltip.



# RESOLVED ISSUES

- Backwards integration was not working with two-element time vector.
- OML documentation errors fixed.
- Compose Light 2025.1 did not check back in when using HHWU.
- min/max failed to return second argument with empty inputs.
- Python had an inlined plot issue.
- Order Response - Last frequency value was not visible while reading from readcae.
- analyze command should provide details of functions and files not found.
- Compose crashed when you open a project (.aprx) file.
- Tick and minor tick number should be updated for all axes that are linked.

# KNOWN ISSUES

The following known issues will be addressed in a future release:

- Variable child nodes in the Project Browser for Python and OML are not hidden after Hide All/Show All/Hide All/Delete All operations.
- On October 14, 2025, Microsoft Windows 10 reached its end of support. Following Microsoft's messaging, all Altair 2026.0 applications no longer support Windows 10. Altair is providing this information to help our customers accommodate this change. Altair 2026.0 supports the Windows 11 operating system, along with our other Linux-based operating systems. Please contact your local Altair support team if you have any questions or concerns.

\* Applies to Standard Edition only as a paid extension

