# Civil Solutions 2026.1

Design with Confidence  Build with Precision

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# What is new in CGS Labs Civil Solutions 2026.1 | RIVER

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# Content:

# 1. Supported CAD platforms

CGS Labs Civil Solutions 2026.1 is now compatible with the new BricsCAD V26, as well as the latest versions of Autodesk AutoCAD & Civil 3D 2026.

With CGSLABS 2026.1 Civil Solutions, support for CAD platforms now includes the following CAD platforms:

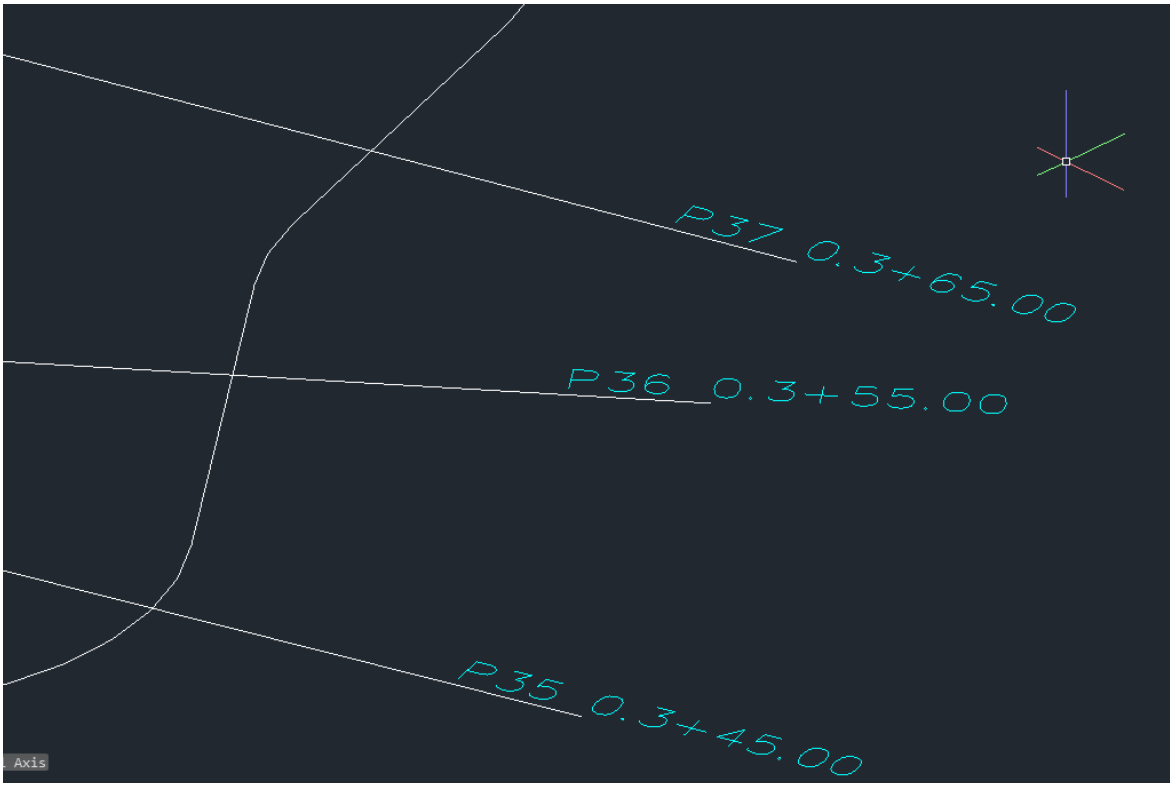
| Autodesk AutoCAD/Civil 3D | BricsCAD |
|---|---|
| 2026 | V26 |
| 2025 | V25 |
| 2024 | V24 |
| 2023 | V23 |
| 2022 | |
| 2021 | |
| 2020 | |

CGSLABS 2026.1 Civil Solutions is a minor version upgrade. Users can install the latest CGSLABS 2026.1 Civil Solutions on CGS Labs 2026.0 version and alongside with previous CGS Labs versions (e.g. 2025, 2024 or older).

# 2. ENHANCEMENTS

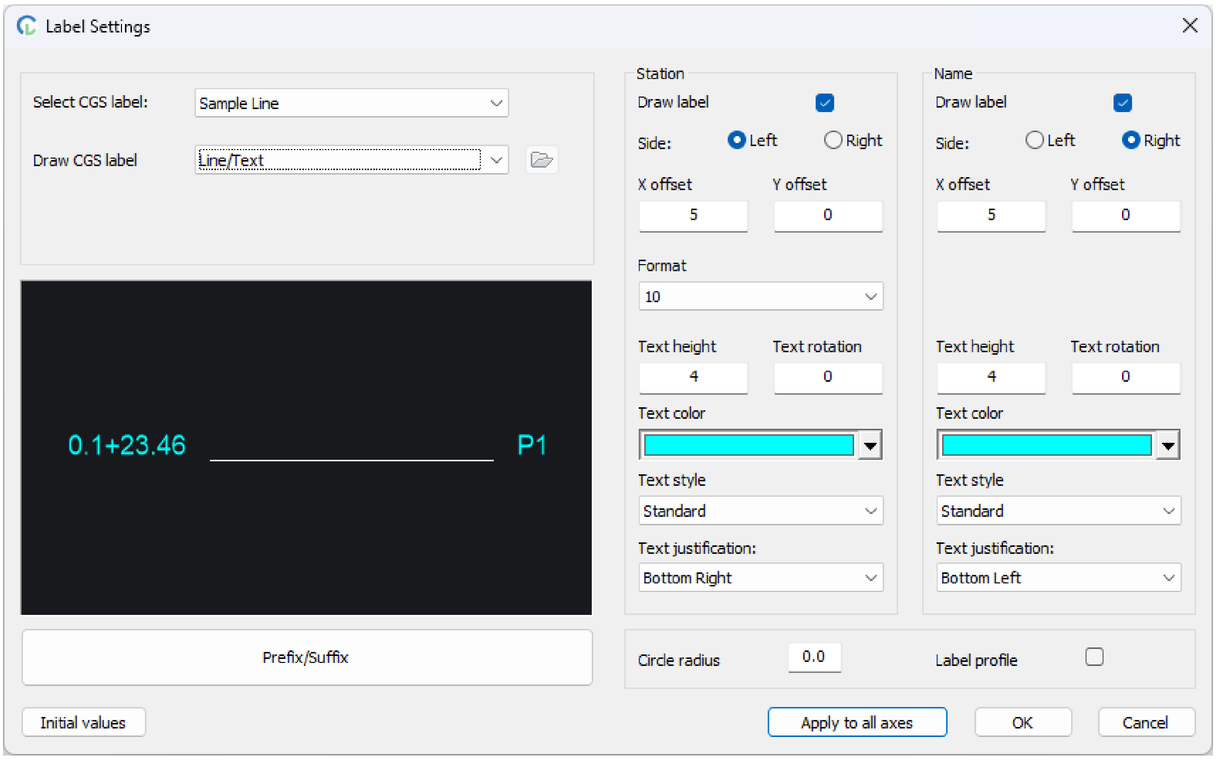
## 23A6 – Main elements and Sample lines label settings

The CGS labeling functionality has been enhanced with the reintroduction of an option to draw labels as text and line objects, not only as blocks. A new, more intuitive interface for modifying label settings has also been implemented. This interface includes a dynamic preview, tooltips, and provides easy access to all adjustable parameters for each label type. Currently, these improvements apply to Sample Lines labels. Additional settings have been added as well, such as label color, text style, text justification, and rotation.



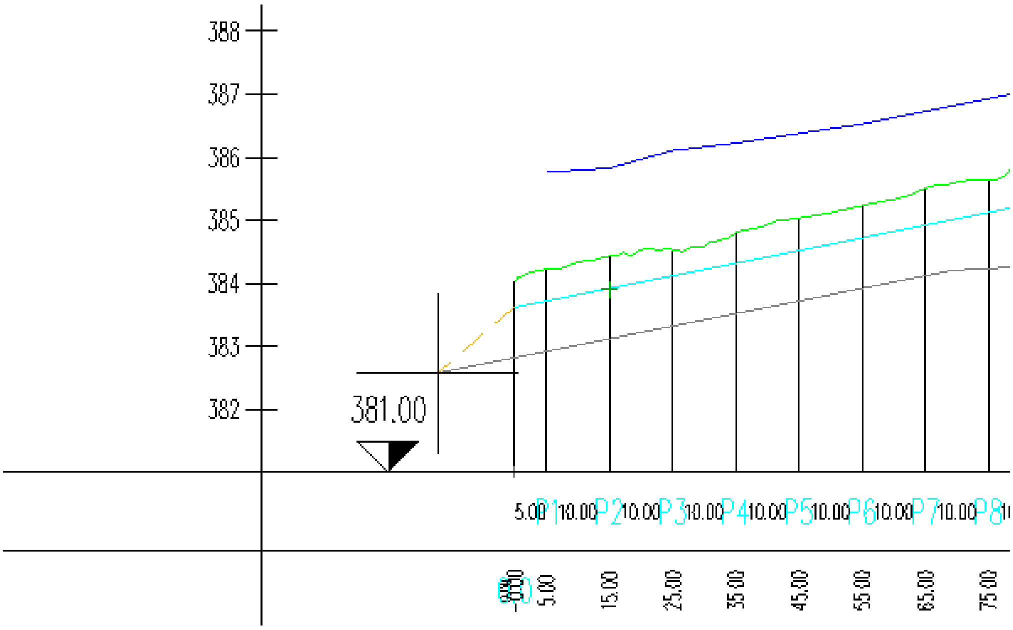

Internal changes have been made to store label settings independently for each alignment. This allows every alignment in the plan to maintain its own configuration—such as label colors, text heights, and other parameters—unlike previous versions.

Sample Line Label Settings:

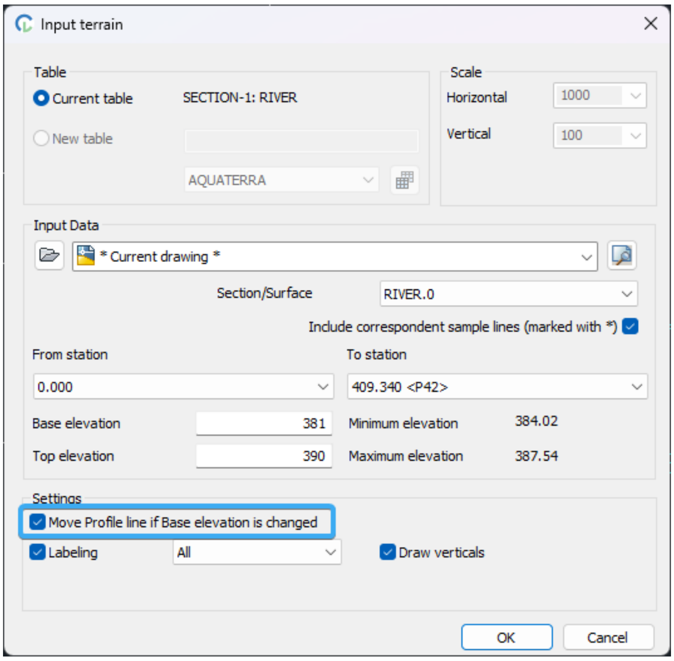


## 33G7 – Profile Line Vertical / Horizontal Shift

The functionality for moving profile line tangents (33G7) has been improved. It is now possible to shift the entire profile line horizontally or vertically. This is useful when the base elevation of the Profile View is modified, or when the horizontal alignment is changed or extended. The new functionality allows tangents and curves to be moved to any start location or shifted horizontally or vertically by selecting a point or specifying an offset value.

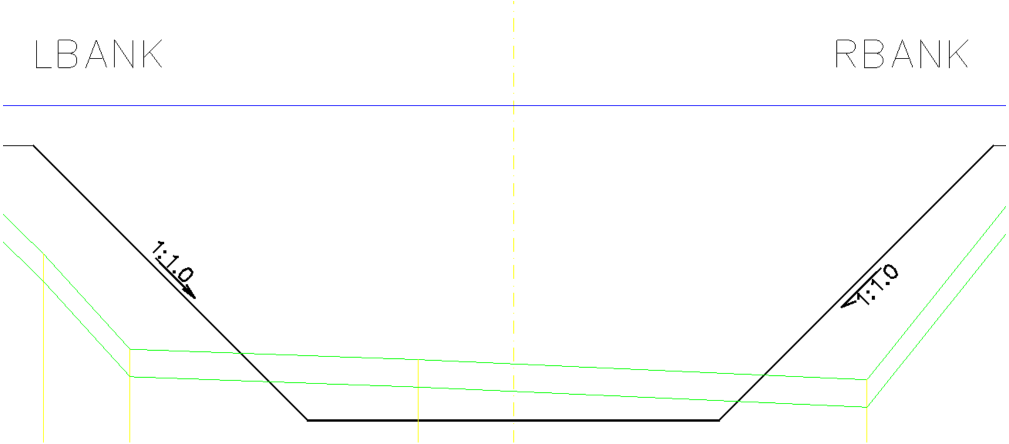


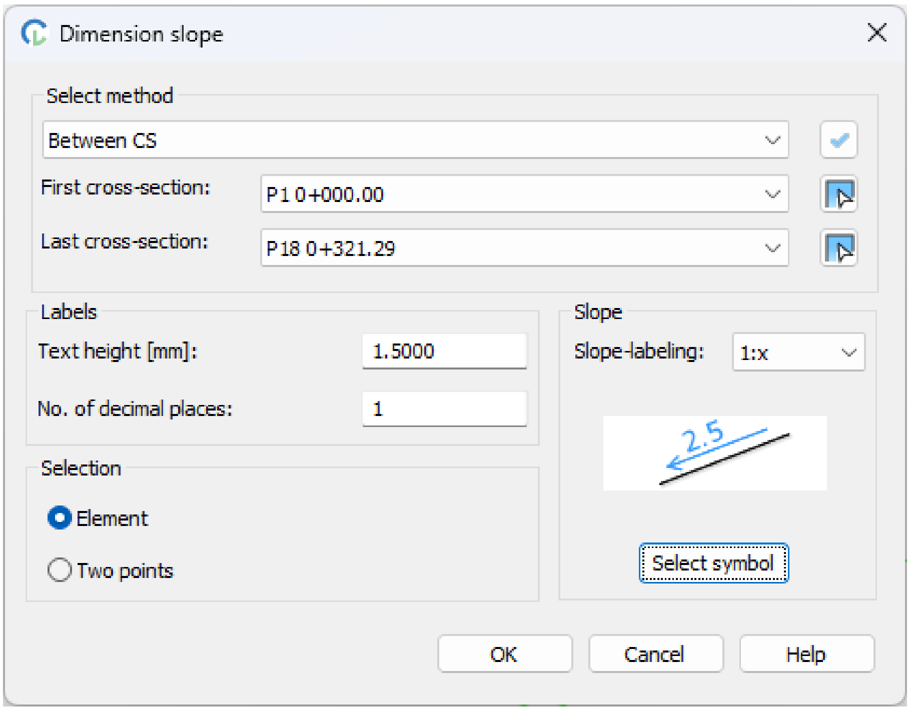

In addition, when using the 33E1 command, this behavior is now the default. If a Profile View already exists for the active alignment and the base elevation is changed, the profile line will shift accordingly.

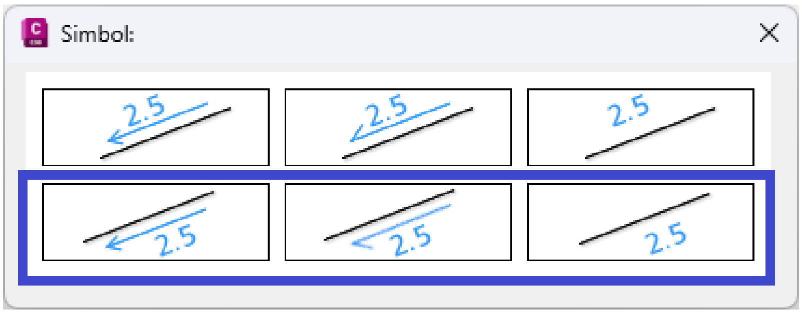


## 43J1 – Additional Slope symbols positions

You can now place slope labels below elements in cross sections. Previously, slope labels could only be positioned above. Based on user requests, this update adds three new options for placing slope symbols beneath elements.



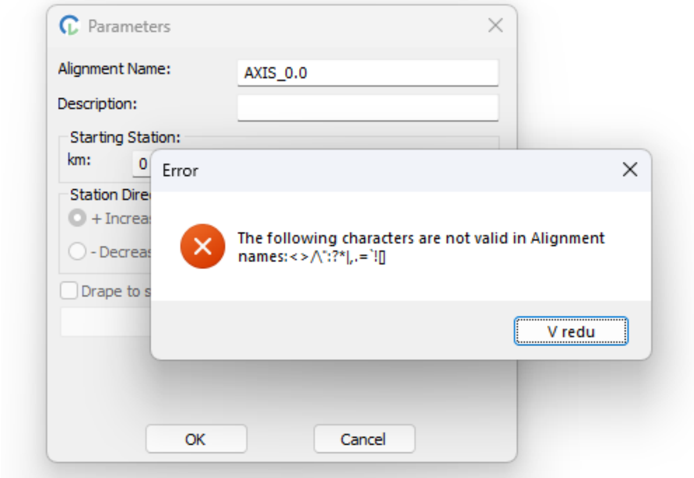



# 3. CHANGES

## 23C1 – Dot Character in Alignment Name No Longer Allowed

In previous versions, it was possible to include a dot (“.”) character in the alignment name when using the Alignment Manager (23C1). However, using a dot caused issues in other functions — for example, when drawing the Profile View (33E1), certain operations failed or produced incorrect results.

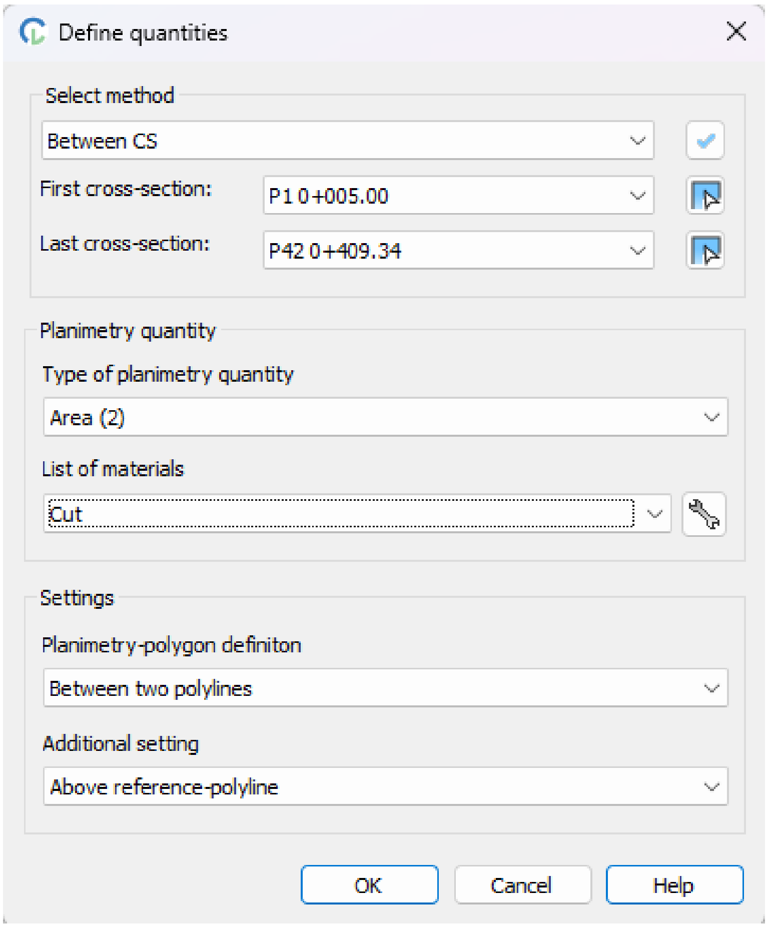
This issue has now been resolved. The use of a dot and other special characters in alignment names is no longer allowed. When attempting to enter a name containing this character, the user is notified with a warning message.



## 43N1 – Selected options Are No Longer Reset

Previously, when using 43N1 to define planimetry settings, options had to be selected in order from top to bottom. Selecting items out of order—for example, profiles at the end—would reset previously chosen options. This behavior has now been corrected.



# 4. FIXES

## CGS UI – Resolved Multiple Issues With Screen Scale Resolution

There were several dialogs and texts which didn't scale well with the Windows resolution scale. If the user used 125, 150%, 200% (or other) scaling, the text within the dialogs was hardly visible. This has now been resolved for a few commands such as: Planimetry quantities (43N4), Property Manager and Property Set Editor.

## CGS – Performance improvement of certain functions

Some functions previously checked whether the user had requested to interrupt the loading process using the ESC key. This check, in certain cases, caused a noticeable slowdown in data loading within the function. Since this feature was not necessary and was not used in practice, it has been removed.

This change results in faster performance of functions related to terrain reading when creating the longitudinal profile (33E1) and its refreshing (33X), terrain reading for cross sections (43E1) and their refreshing (43X), as well as several other functions such as 3D slopes (23N5), CGS terrain creation (11L1), editing or deleting TCS elements (43I),…

## 23J1 – Freeze When Projecting Alignment to CGS Points on Autodesk Platform

On the Autodesk (ACAD) platform, projecting alignment to CGS points in specific conditions caused the application to freeze when projecting to the longitudinal alignment. This issue occurred when using function 23J1. The problem did not occur when projecting only to sample lines, and it was not present on the BricsCAD platform. The issue has now been resolved.

## 33E1 – Incorrect Stationing of Vertical Segments in Profile View

In specific cases where an alignment element was nearly vertical, profile stations were calculated incorrectly. The tolerance used to determine whether a line element is treated as vertical or horizontal has been adjusted. As a result, vertical segments are now correctly identified, and stationing is calculated accurately.

## 33F2 – Rubric Projection Line Not Recognized as a Regular Projection Line

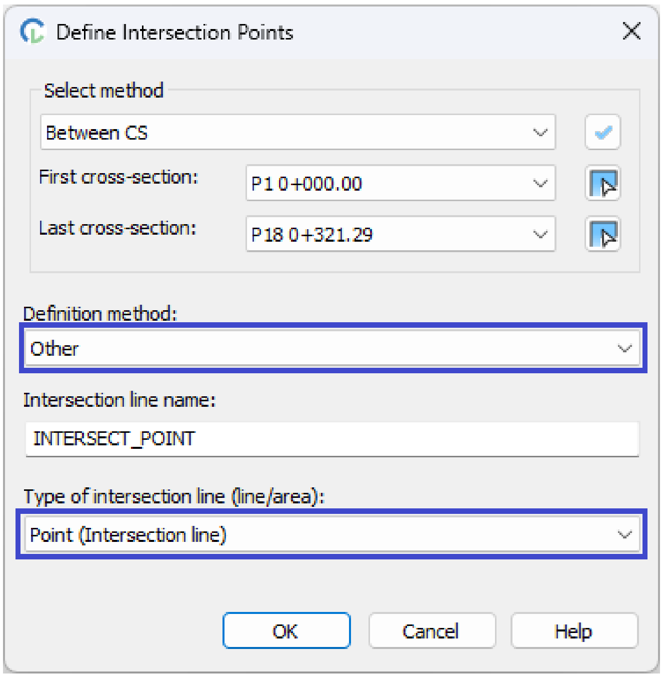
Using Rubric projection lines in Profile view (33F2) and using projection points in cross sections (43K3) could resulted in incorrect heights as it took the height from rubric projection line instead of graphic projection line. This has now been fixed.

## 43G5 – Improved TCS Block Hatch Color Conversion

Previously, if hatches inside user blocks were placed ByLayer and that layer had an assigned color, the color was not applied correctly when converting to a CGS block or planimetry. In those cases, the color was changed to default white. This logic has now been improved: the new layer will retain the correct color, and if multiple hatches have different colors, they will be converted with the hatch color set to ByColor.

## 43M1 – Default Option for Intersection Points

The most commonly used option for drawing intersection points in cross sections is to place them as user-defined at a single point or location. This configuration is now set as the default.




## 43N4 – Decimal Delimiter Now Supported in Hatch Scale

Previously, entering a new decimal delimiter for hatch scale was not possible, as only integers were accepted. This issue has now been resolved, and decimal delimiters can be used.

## 43X – Interactive TCS Dimensions No Longer Disappear

When using interactive option to label TCS elements dimension (43J2), those labels were deleted when cross sections were refreshed because the parameters were incorrect. This has been now fixed. Also, the selection of elements was subsequently changed for TCS dimensioning for easier use.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