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# Bugfixes
# 2025-25.30

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# NOTE regarding data conversion

| Build | Single-User Project | Multi-User Project | Component library | COM-registration |
|---|---|---|---|---|
| 25.00 | < 25.00: **yes** | < 25.00: **yes** | < 25.00: **yes** | < 25.00: **yes** |
| 25.10 | < 25.00: **yes** | < 25.00: **yes** | < 25.00: **yes** | < 25.00: **yes** |
| | from 25.00: no | from 25.00: **yes** | from 25.00: no | from 25.00: **yes** |
| 25.11 | < 25.00: **yes** | < 25.00: **yes** | < 25.00: **yes** | < 25.00: **yes** |
| | from 25.00: no | from 25.00: **yes** | from 25.00: no | from 25.00: **yes** |
| | from 25.10: no | from 25.10: no | from 25.10: no | from 25.10: no |
| 25.20 | < 25.00: **yes** | < 25.00: **yes** | < 25.00: **yes** | < 25.00: **yes** |
| | from 25.00: no | from 25.00: **yes** | from 25.00: no | from 25.00: **yes** |
| | from 25.10: no | from 25.10: **yes** | from 25.10: no | from 25.10: no |
| | from 25.11: no | from 25.11: **yes** | from 25.11: no | from 25.11: **yes** |
| 25.21 | < 25.00: **yes** | < 25.00: **yes** | < 25.00: **yes** | < 25.00: **yes** |
| | from 25.00: no | from 25.00: **yes** | from 25.00: no | from 25.00: **yes** |
| | from 25.10: no | from 25.10: **yes** | from 25.10: no | from 25.10: no |
| | from 25.11: no | from 25.11: **yes** | from 25.11: no | from 25.11: **yes** |
| | from 25.20: no | from 25.20: no | from 25.20: no | from 25.20: no |
| 25.22 | < 25.00: **yes** | < 25.00: **yes** | < 25.00: **yes** | < 25.00: **yes** |
| | from 25.00: no | from 25.00: **yes** | from 25.00: no | from 25.00: **yes** |
| | from 25.10: no | from 25.10: **yes** | from 25.10: no | from 25.10: no |
| | from 25.11: no | from 25.11: **yes** | from 25.11: no | from 25.11: **yes** |
| | from 25.20: no | from 25.20: no | from 25.20: no | from 25.20: no |
| | from 25.21: no | from 25.21: no | from 25.21: no | from 25.21: no |

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| Build | Single-User Project | Multi-User Project | Component library | COM-registration |
|---|---|---|---|---|
| **25.30** | < 25.00: **yes** | < 25.00: **yes** | < 25.00: **yes** | < 25.00: **yes** |
| | from 25.00: no | from 25.00: **yes** | from 25.00: no | from 25.00: **yes** |
| | from 25.10: no | from 25.10: **yes** | from 25.10: no | from 25.10: no |
| | from 25.11: no | from 25.11: **yes** | from 25.11: no | from 25.11: **yes** |
| | from 25.20: no | from 25.20: no | from 25.20: no | from 25.20: no |
| | from 25.21: no | from 25.21: no | from 25.21: no | from 25.21: no |
| | from 25.22: no | from 25.22: no | from 25.22: no | from 25.22: **yes** |

Projects and component library:
- **Yes**: The data is converted and can therefore no longer be opened with the indicated versions.
- **No**: The data is not converted and can therefore be opened with the indicated version.

COM registration:

**Yes**: The COM library has been changed and must be registered again.

(start the program as ADMIN using „E3.series.exe /register").

Is done automatically during the installation of version 2025.
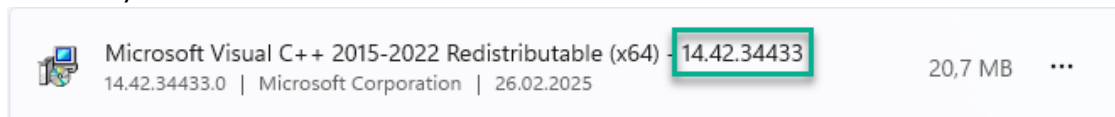
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# NOTE regarding runtime dependency

With E3.series version 2025-25.30, an update to *Microsoft Visual C++ 2015-2022 Redistributable (x64)* is required.

Installation of E3.series 2025-25.30 via **setup** (recommended method):
- The installation ensures that the required version of the redistributable is installed (it is also installed if required).
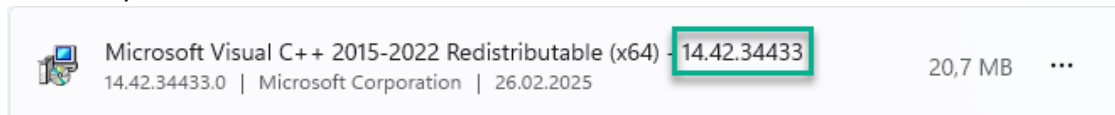
Installation of E3.series 2025-25.30 via **msi** package:
- Please check in the installed apps whether the following version of the redistributable is already installed:

| | |
|---|---|
| Microsoft Visual C++ 2015-2022 Redistributable (x64) - 14.42.34433 <br> 14.42.34433.0 \| Microsoft Corporation \| 26.02.2025 | 20,7 MB ··· |

- If not, please install the redistributable that comes with the msi package *\ISSetupPrerequisites\{25E2F1F0-09A7-4C6A-ADC7-CA620D43574E}\VC_redist.x64.exe*

Update of E3.series 2025-25.30 from the **ZIP archives**:
- Please check in the installed apps whether the following version of the redistributable is already installed:

| | |
|---|---|
| Microsoft Visual C++ 2015-2022 Redistributable (x64) - 14.42.34433 <br> 14.42.34433.0 \| Microsoft Corporation \| 26.02.2025 | 20,7 MB ··· |

- If not, please install the redistributable contained in the ZIP archive *e3.series_2025_25.30-64bit.zip* in the subdirectory *vc2022redist*.

# NOTE regarding module dependency

If E3.RevisionManagement is in use, it is not supported due to

- *E3-1249 (COM: Extension of ExportForeign to also output ComponentPin attributes)*

It is mandatory to install **E3.RevisionManagement 25.0.1** (or newer).

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# Bugfixes

The bug fixes are sorted and listed by numbers. This enables you, for example, to easily search for bugs reported to our support office.

| | |
|---|---|
| E3-444 | COM: The 'DBEModel.Remove(0)' method does not work if it is called in the 'AfterCreateModel' trigger. (Designer-43596) |
| E3-2658 | If 'Use the following names' is selected in the database tree structure, stop parts and counterparts are displayed as '???' in the component properties. |
| E3-2933 | DBE: Settings are lost when copying a connection point of a model. |
| E3-2941 | DBE: Component Properties report an invalid argument for a newly created block component. |
| E3-3080 | Several terminals cannot be connected / docked in the panel. |
| E3-3175 | Vertical multi-connection with automatic wires always lays the wires from right to left. |
| E3-3297 | Higherlevel Assignment/Location are deleted when they are removed from the assembly if they are different. |
| E3-3304 | When splitting/merging connectors, the connection in the device tree is lost. |
| E3-3340 | Tree node attribute shows unusual values after changing the maximum length of the associated text type. |
| E3-3349 | The alternate component symbol is not displayed in the device table. |
| E3-3369 | "Update component" swaps mating connector even though setting is active that mating connector should be kept. |
| E3-3370 | Performance improvement when many signal names are changed via COM and the signal tree has expanded. |
| E3-3380 | DBE: After placing a model in a connector, the connector view number is deleted. |
| E3-3513 | Cables and wires are copied along with the selected symbol, even with the setting to copy only when both ends are selected. |
| E3-3533 | Opening the 'Open multiuser project' dialog takes a long time if there are a large number of multiuser projects. |
| E3-3552 | With the step model display in 3D, the step display is no longer changed with resizable normal models. |
| E3-3577 | The 'Update attributes in project' function on Busbar components destroys BusBar connection points. |
| E3-3592 | Function 'Automatic connection': a splice is not fully connected. |
| E3-3641 | DBE: Error message during the creation of the previously deleted component: E - Error in function int __cdecl CWizPageCompType::DoChanges(void), ret = 1. |
| E3-3645 | COM- DeviceInterface::CreateFormboard and DeviceInterface::CreateView create connector views for components without structure. |
| E3-3664 | Updating a part in the project fails with the warning message 'W - The new part is not a valid use.' |
| E3-3676 | In large projects, the input in the filter line is very "tough". |
| E3-3751 | Unit of measurement does not change when it is switched in the model properties. |
| E3-3797 | DBE: A slot is no longer highlighted in the 3D preview. |
| E3-3799 | Variants can have invisible but effective Inclusive/Exclusive folders. |
| E3-3843 | Lock of text position is lost when placing. |
| E3-3887 | The 'Delete forced' function does not work if the model is locked. |
| E3-3897 | Error in the project after importing subcircuit with options. |
| E3-3908 | Failure to update the symbol table when replacing symbols or renaming the connection point. |
| E3-3925 | Automatic connection does not work if the connection points are too close together. |

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| | |
|---|---|
| E3-4002 | In E3 version 2025, not all shortcuts are displayed in the Windows Start menu if a version E3 2023 is also installed. |
| E3-4021 | DBE: If attributes are assigned twice, the value from the attribute is displayed in the component properties and not the value from the column in ComponentData. |
| E3-4024 | The favourites list in the database search only shows 10 entries. |
| E3-4039 | For modular plugs, only insert groups are listed as active fitting parts, not their contents. |
| E3-4054 | Error message when fast scrolling in the MU project "The maximum number of open sheets has been reached". |
| E3-4114 | Updating a symbol of an assembly with a fixed connection causes inconsistencies. |
| E3-4115 | If a block connector is updated, its device name is deleted. |
| E3-4141 | When inserting a wire from a database assembly, a validation error occurs. |
| E3-4162 | When 'dragging and dropping' in the device tree from a clipboard into the project, duplicate device names can be caused. |
| E3-4174 | EditComponent via trigger directly after creation of a component no longer works. |
| E3-4175 | E3.redliner: With redliner information, all graphics are displayed in the last colour used. |
| E3-4183 | "Jump to device table" from terminal diagram does not work any more. |
| E3-4251 | A PDF file generated by the PDF export shows active links, although this is deactivated by an option. |
| E3-4427 | Cores are disconnected during connection. |
| E3-4433 | After opening a design file (*.df), the Component tab in the device properties is not displayed. |
| E3-4464 | Assembly component with a model can be dragged from the database assembly to another structure node and also deleted. |
| E3-4473 | Saving with current variants configuration takes a noticeably long time |
| E3-4547 | Symbols for shields and twists are no longer displayed after closing and then reopening a sheet. |
| E3-4692 | Compare project states detects spaces at the end of a dimension. |
| E3-4739 | DBE: Rotated graphic is rendered incorrectly in the model properties in 3D. |
| E3-4761 | COM: Dev.InsertTerminalPlan: The jumper setting is ignored if the value in the parameter differs from that in the project. |
| E3-4850 | When switching variants/options, too much information (varbools) is collected, which leads to a longer execution time. |

## Feature Enhancements

Additionally, we also have added some new / enhanced functionality in this service pack.

| | |
|---|---|
| E3-2902 | E3 should be able to write timing information to the log file when starting. |
| E3-3654 | COM: New methods JOB::ImportRedlinerInformation and JOB::ExportRedlinerInformation for importing/exporting 'Redliner information' (*.e3r). (Designer-13422) |
| E3-3982 | The message 'E - Open failed. failed to read jobdats' when opening a MultiUser project should be replaced by a meaningful message. |
| E3-4008 | It should be possible to change the adjustments of models in the project. |
| E3-4011 | COM: New methods in DBE: DbeModel.GetMountingDescriptions and DbeModel.SetMountingDescriptions. |
| E3-4018 | COM: New methods in DBE: DbeModel.GetJustifications and DbeModel.SetJustifications. |

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# Last Minute Information

Last-minute information that has not yet found its way into the E3 documentation.

Regarding E3-3577

**The 'Update attributes in project' function on Busbar components destroys BusBar connection points.**

For components with <u>busbar pins</u>, 'Update attributes in project' has no function in version 2025.

Regarding E3-2902

**E3 should be able to write timing information to the log file when starting.**

Profiling can be activated in E3 via the /profiling parameter. To activate it, you must start E3 with /profiling=0 or /profiling=1.

The result can be seen in the output window after starting E3. You can see the times required for different functions at startup.

The output is displayed in a nested format. This means that each line that is nested under the previous line belongs to the function displayed in the previous line.

- - /profiling=0 shows the timing of the main functions,
- - /profiling=1 shows a more detailed output, which in some cases also shows individual parts.
- - /profilingfile=<filename) to record the times in a text file.

Regarding E3-3654

**COM: New methods JOB::ImportRedlinerInformation and JOB::ExportRedlinerInformation for importing/exporting 'Redliner information' (*.e3r). (Designer-13422)**

*JOB::ExportRedlinerInformation( BSTR **fileName**, int **flags**, int ret )*

Exports E3.Redliner *.e3r information

**<u>NOTE:</u>** exclusively for E3.redliner

- @param [in] **fileName** path of the *.e3r E3.Redliner file
- @param [in] **flags** flags (none used yet)
- @return 1 success
- @return -1 no project open
- @return -2 invalid flags
- @return -3 exclusively supported for E3.redliner
- @return -4 incorrect extension (has to be *.e3r)
- @return -5 file error
- @return -6 export fail

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*JOB::ImportRedlinerInformation( BSTR **fileName**, int **flags**, int ret )*

Imports E3.Redliner *.e3r information

**<u>NOTE:</u> not** for E3.redliner, E3.viewplus

- @param [in] **fileName** path of the *.e3r E3.Redliner file
- @param [in] **flags** flags (none used yet)
- @return 1 success
- @return -1 no project open
- @return -2 invalid flags
- @return -3 not supported for E3.redliner, E3.view, E3.viewplus
- @return -4 incorrect extension (has to be *.e3r)
- @return -5 invalid redliner file
- @return -6 file error
- @return -7 import fail


<u>Regarding E3-4011</u>

**COM: New methods in DBE: DbeModel.GetMountingDescriptions and DbeModel.SetMountingDescriptions.**

- GetMountingDescriptions( VARIANT* mountingdescriptions, int flags )

    o   returns the mountingdescriptions from the model
    o   input: mountingdescriptions (array that is filled)
    o   flags: currently not used
    o   Return values:
        ▪   mountingdescriptions: Array of strings with the mounting descriptions
        ▪   0-n: Success: the amount of mountingdescriptions
        ▪   -1: no pool/project
        ▪   -2: no model active
        ▪   -3: invalid flag

- SetMountingDescriptions( VARIANT* mountingdescriptions, int flags )

    o   sets the mountingdescriptions on the model
    o   input: mountingdescriptions (array with mountingdescriptions)
    o   flags: currently not used
    o   Return values:
        ▪    1: Success: the mounting descriptions are set
        ▪   -1: no pool/project
        ▪   -2: no model active
        ▪   -3: invalid flag
    o   an empty array (or an array with an empty string ('')) can be passed to delete the mounting descriptions.

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**COM: New methods in DBE: DbeModel.GetJustifications and DbeModel.SetJustifications.**

- GetJustificationPoint( VARIANT* x, VARIANT* y, VARIANT* z, int flags )

    - provides the adjustment values for placement on a point slot
    - <param name="x","y","z">justification on x/y/z-axis</param>
    - <param name="flags">not used</param>
    - <returns>
        - 1 - success
        - -1 no Pool/Projekt
        - -2 no active Model
        - -3 invalid Flag

- GetJustificationLine( VARIANT* y, VARIANT* z, int flags, int* ret )

    - provides the adjustment values for placement on a line slot
    - <param name="y","z">justification on y/z-axis</param>
    - <param name="flags">not used</param>
    - <returns>
        - 1 - success
        - -1 no Pool/Projekt
        - -2 no active Model
        - -3 invalid Flag

- GetJustificationArea( VARIANT* z, int flags, int* ret )

    - provides the adjustment values for placement on an area slot
    - <param name="z">justification on z-axis</param>
    - <param name="flags">not used</param>
    - <returns>
        - 1 - success
        - -1 no Pool/Projekt
        - -2 no active Model
        - -3 invalid Flag

- SetJustificationPoint( double x, double y, double z, int flags)

    - sets the adjustment values for placement on a point slot
    - <param name="x","y","z">justification on x/y/z-axis</param>
    - <param name="flags">not used</param>
    - <returns>
        - 1 - success
        - -1 no Pool/Projekt
        - -2 no active Model
        - -3 invalid Flag
        - -4 value not in range

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- SetJustificationLine( double y, double z, int flags )

  - sets the adjustment values for placement on a line slot
  - <param name="y","z">justification on y/z-axis</param>
  - <param name="flags">not used</param>
  - <returns>
    - 1 - success
    - -1 no Pool/Projekt
    - -2 no active Model
    - -3 invalid Flag
    - -4 value not in range

- SetJustificationArea( double z, int flags )

  - sets the adjustment values for placement on a area slot
  - <param name="z">justification on z-axis</param>
  - <param name="flags">not used</param>
  - <returns>
    - 1 - success
    - -1 no Pool/Projekt
    - -2 no active Model
    - -3 invalid Flag
    - -4 value not in range

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