

# MEGA Support

**Solution Number: 00003563**

**Solution Title: Unexpected link style when opening diagram**

**Solution Status: Reviewed (Quick)**

**Solution Last Modification: Thu Nov 15 08:56:02 GMT 2018**

**Solution Quality:** This solution has been reviewed quickly. It may contain spelling errors or lack of precision.

## Issue Description:

When opening a diagram, the customization of style of certain links seems to be cancelled.

It looks as if the change of style had not been saved.

### Scenario#1:

- Edit a BPMN diagram
- Create a sequence flow between two operation objects
- Change the style of the sequence flow: unchecked 'Rounded angles'  
In the diagram drawing, the sequence flow has no more rounded angles.
- Save the diagram.
- Open the diagram:  
In the diagram drawing, the sequence flow still has rounded angles.

### Scenario#2:

In a Resource Architecture Structure Diagram

- Create 2 objects of type Physical Asset: PA1 and PA2
- Create a communication channel between PA1 and PA2
- Select the object 'Communicating Element Endpoint' connected to PA1 (square icon)
- Map a communication port: the square icon is filled up.
- R click > Colors and borders
- Select another color (custom color)

- Press F5 key or exit and reopen Diagram:
- The custom color is lost

### **Scenario#3:**

In a Concept Graph

- Create concepts: C1 and C2
- Create a concept structural component between C1 and C2
- Set its property Dictionary Property Scope is set to 'embedded'. The link style change to orthogonal
- Select the line and change line style to 'broken'
- Exit and reopen Diagram
- The custom line style is lost

### **Cases (not exhaustive list):**

- Overview of Application\*: message flow. Rounded Angles = Yes
- Organizational Process Diagram: message flow. Rounded Angles = Yes
- Organizational Process Diagram: sequence flow. Rounded Angles = Yes

\* with option enabled 'Architecture diagrams: Use of BPMN data flows'

### **Solution Details:**

There can be various causes.

A frequent cause is a conflict with a link style calculation:

- The link is implemented as a path.
- The customization of link style is not supported: certain display settings are calculated automatically by the MEGA application. This calculation is triggered only when opening diagram and the user does not see it immediately.
- As a consequence, when customizing the link style, the user does not understand that his change has been overloaded by the MEGA application.

This behavior (link style calculation) is by design. It is not an error.

Certain link styles are calculated in the DiagramType configuration this specification overloads the style that end users can have configured manually.

Due to platform limits, calculation cannot be triggered immediately and is performed the next time the diagram is open.

In specific cases, a change is made to support style customizations after decision of product management.

## Changes:

- MEGA 2009 SP4 CP10.0  
Unexpected display of Message flow object with simple line style (CR28235)
- MEGA 2009 SP4 CP12.0/MEGA 2009 SP5 CP4.0  
Unexpected display of Message flow and Sequence flow link style (CR28973)

WI 10010

change considered in HOPEX V2R1 Update 3 for Message flow In Application environment diagram

## FAQs

### **How can I identify the DiagramType objects where links styles are applied automatically (by design)?**

You can use the following query:

```
Select DiagramType Where  
[DiagramTypeParam].[DiagramTypePath].[DiagramTypePathPart].[Based on  
DiagramTypeLink].[DiagramTypeLinkStyle]
```

### **Is it possible to bypass the automatic style application?**

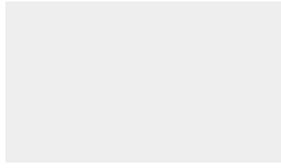
It is technically possible. However, this is considered as a customization and has an impact on standard behavior and the methodology.

As a consequence, this is not at all recommended.

### **How can I technically bypass the automatic style application?**

With a user allowed to update MEGA data.

- Identify the DiagramTypeLink connected to the DiagramTypeLinkStyle
- Disconnect the link.
- Dispatch and compile environment.



Additional  
Information:

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