

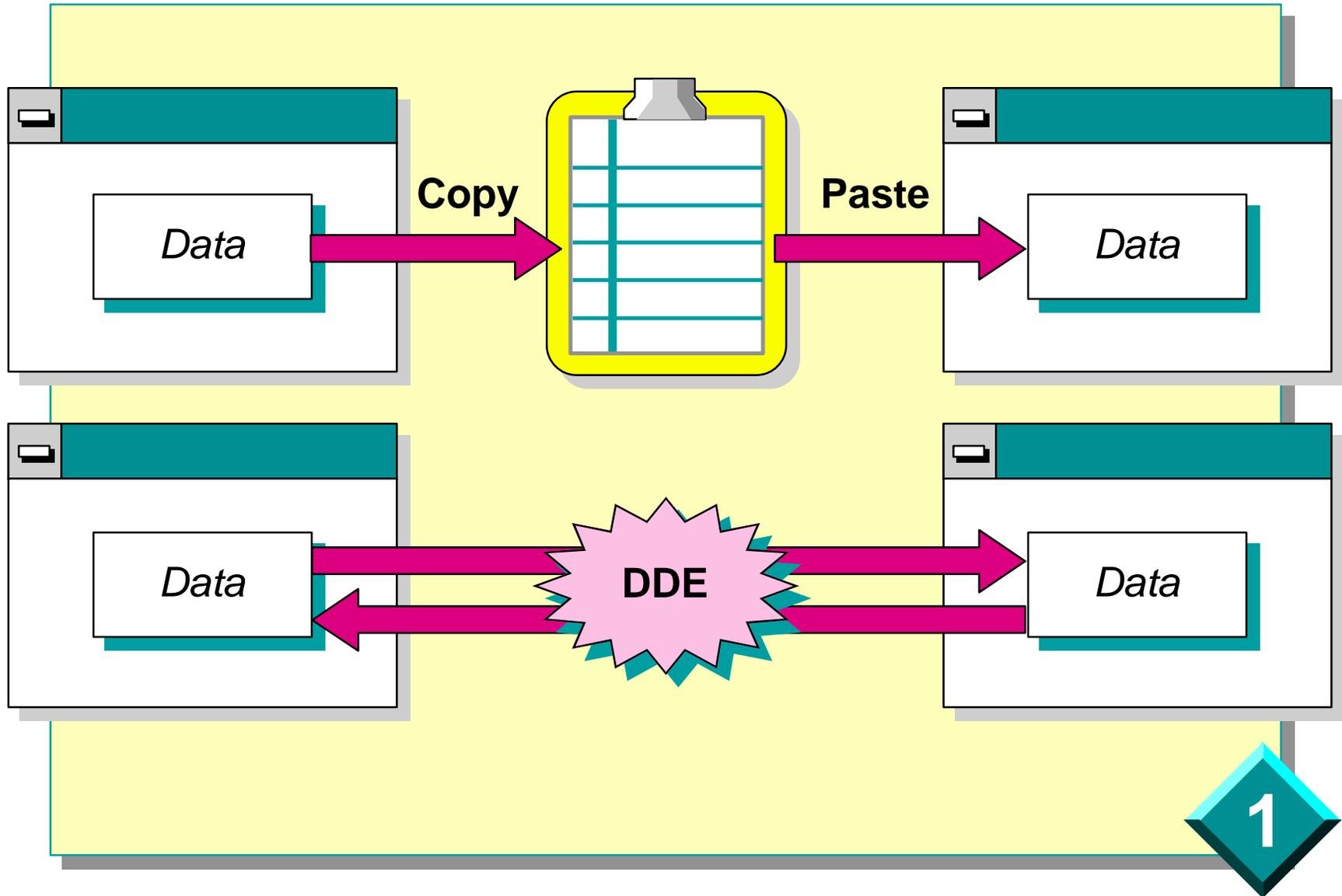
Implementing Dynamic Data Exchange

1

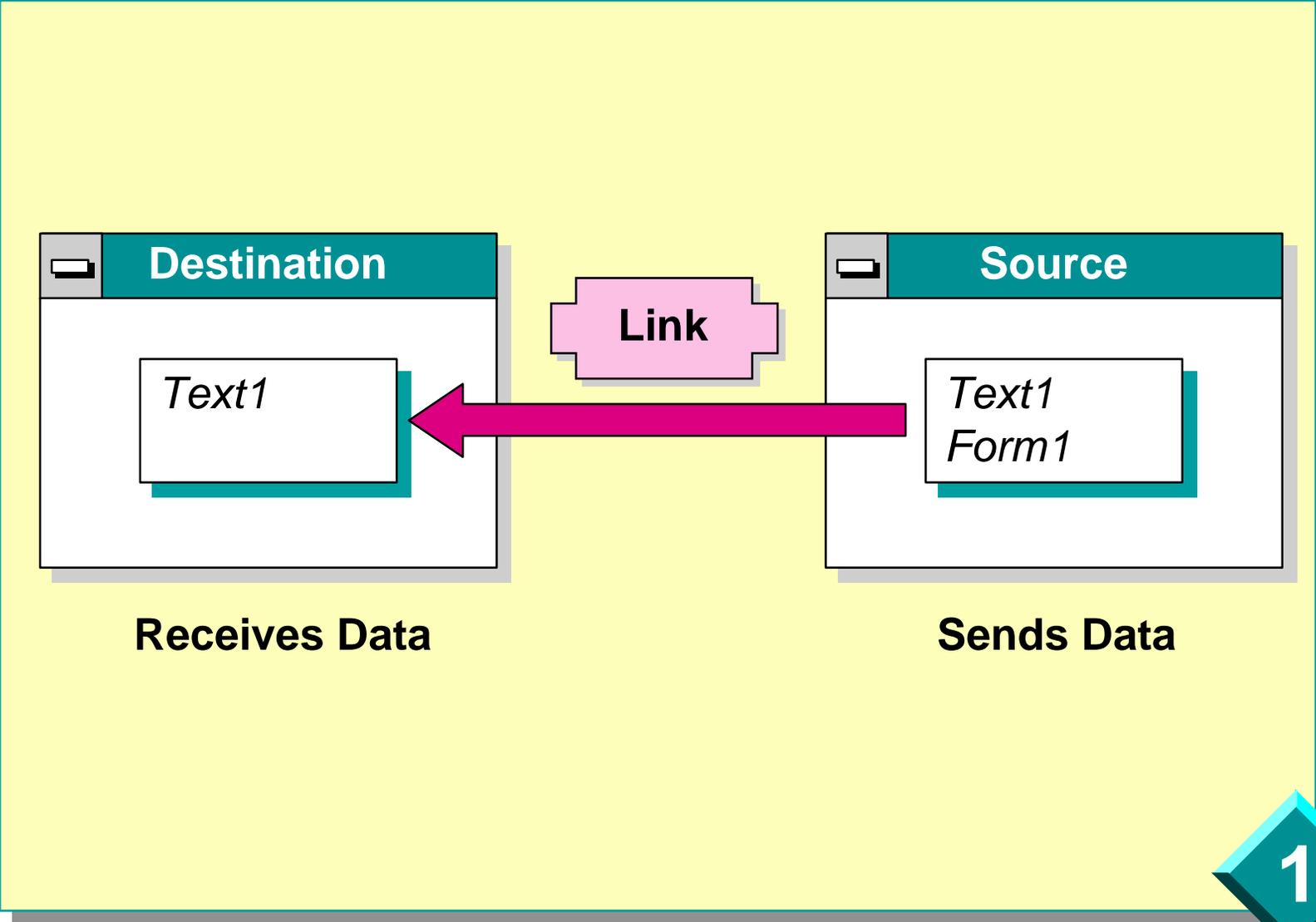
◆ Overview

- What Is Dynamic Data Exchange (DDE)?
- Programming a Destination Application
- Programming a Source Application
- DDE with Microsoft Excel for Windows
- DDE with Microsoft Word for Windows

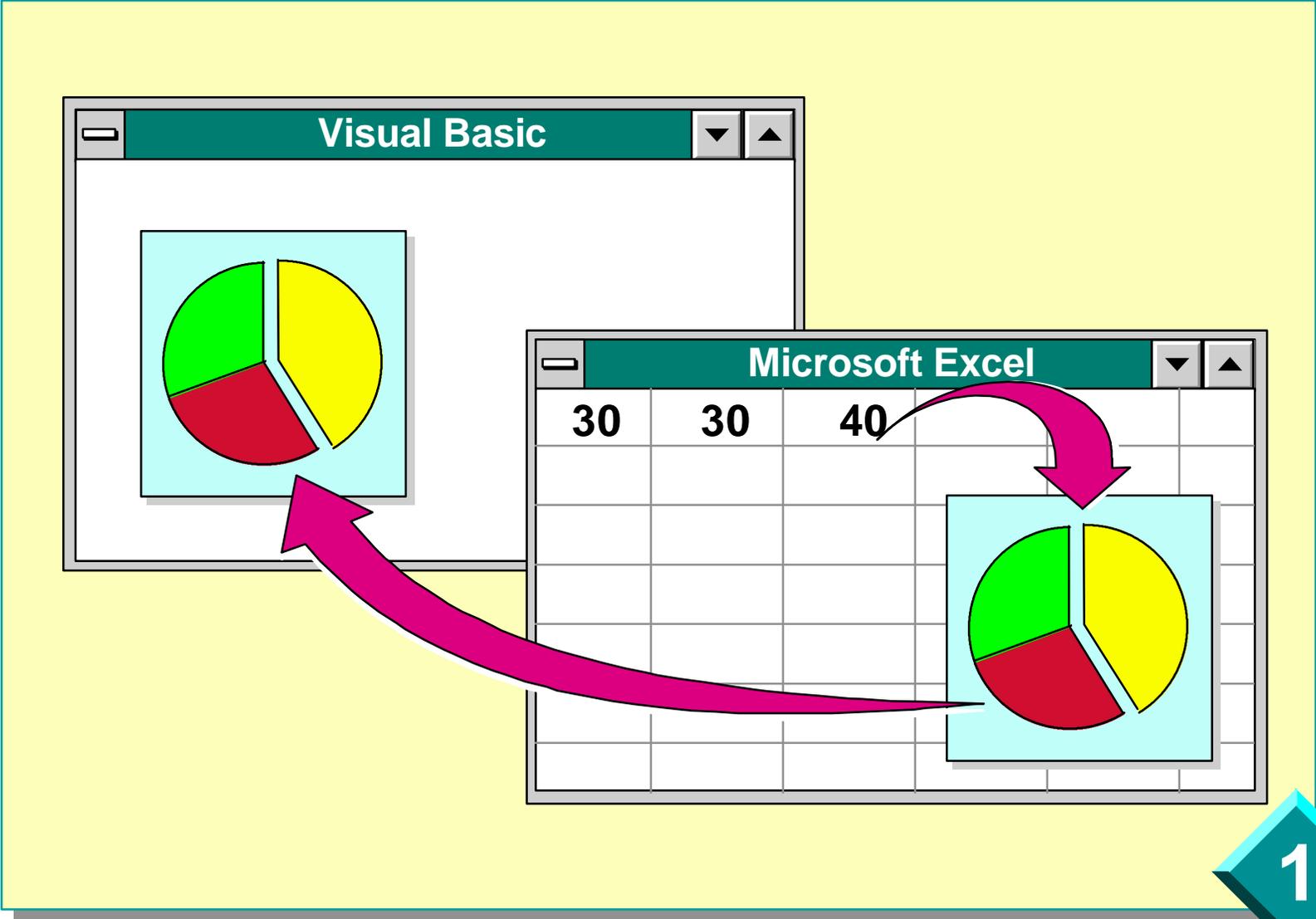
What Is Dynamic Data Exchange?



DDE Involves a Source and a Destination Application



DDE Demo



Setting Properties to Establish the Link

Destination
LinkTopic
LinkItem
LinkMode
LinkTimeout

Source
LinkTopic
LinkMode

Order of Setting Properties



The image shows a screenshot of a dialog box titled "Destination". The dialog box has a teal header bar with the title "Destination" in white text. Below the header, there is a list of five steps:

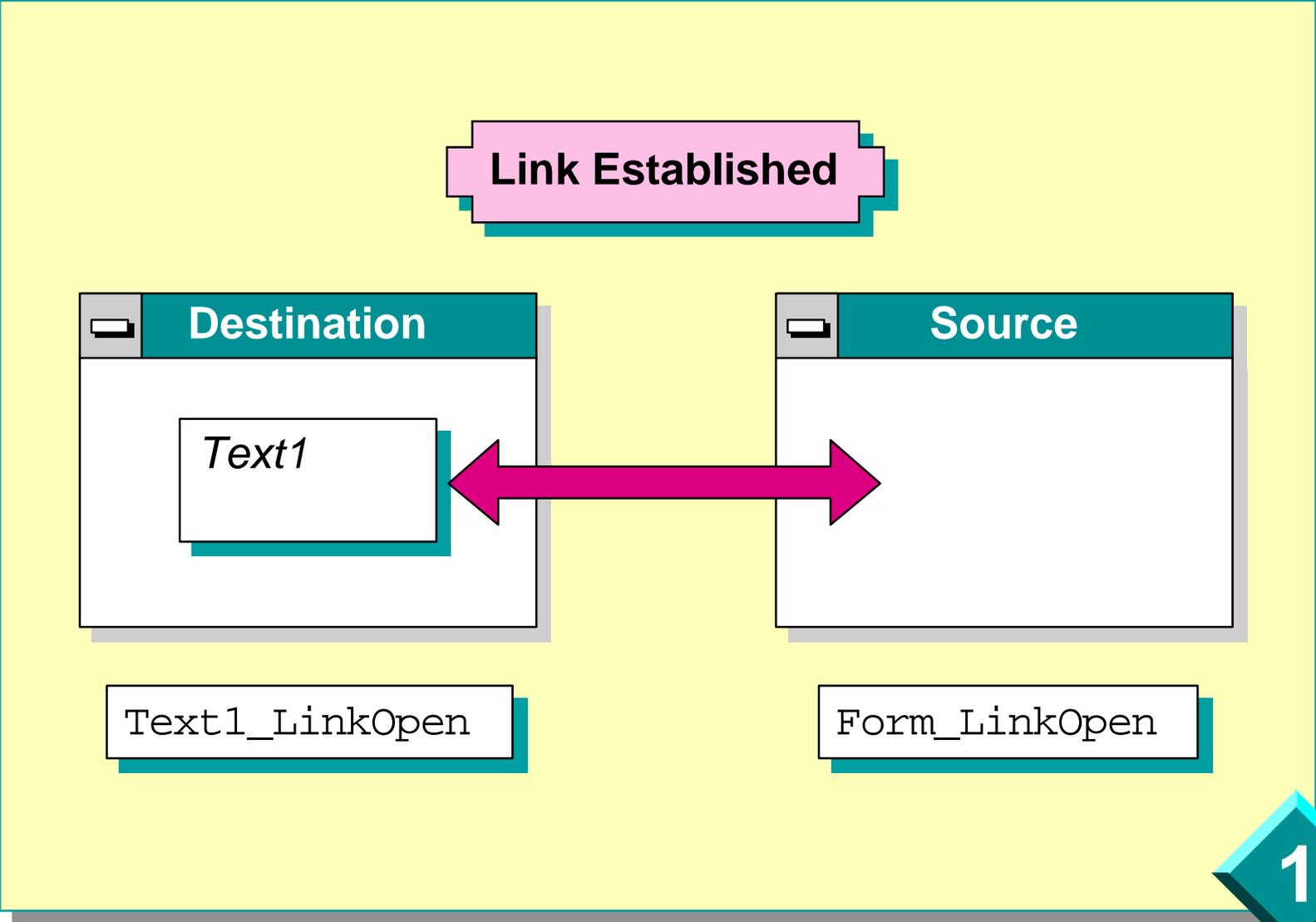
1. LinkMode = 0
2. Set LinkTopic
3. Set LinkItem
4. Set LinkTimeout
5. LinkMode = 1

Below the list, there is a rounded rectangular box with a pink border containing the text *Link Is Attempted*.

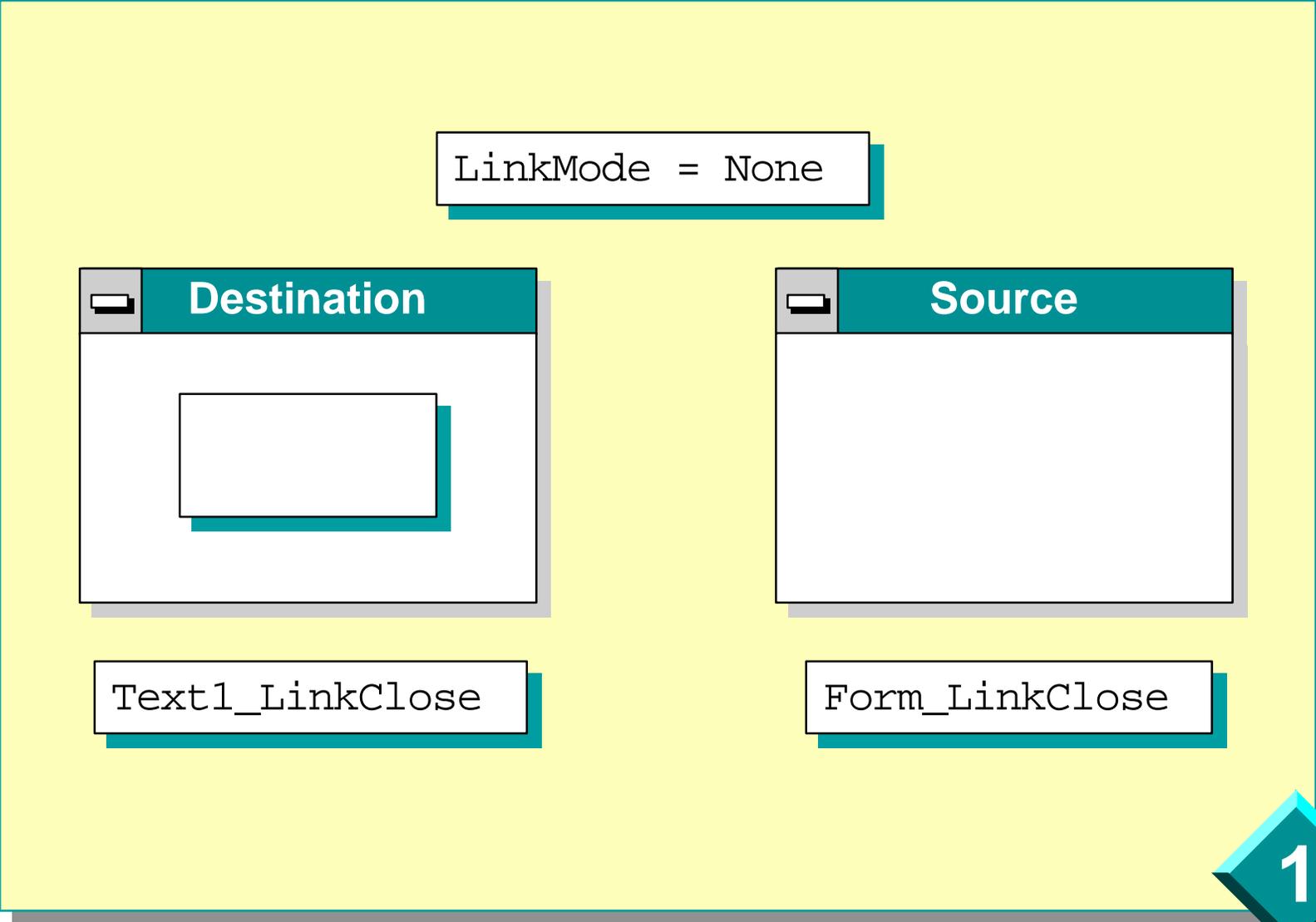
DDE Events

- LinkOpen
- LinkClose
- LinkError
- LinkNotify

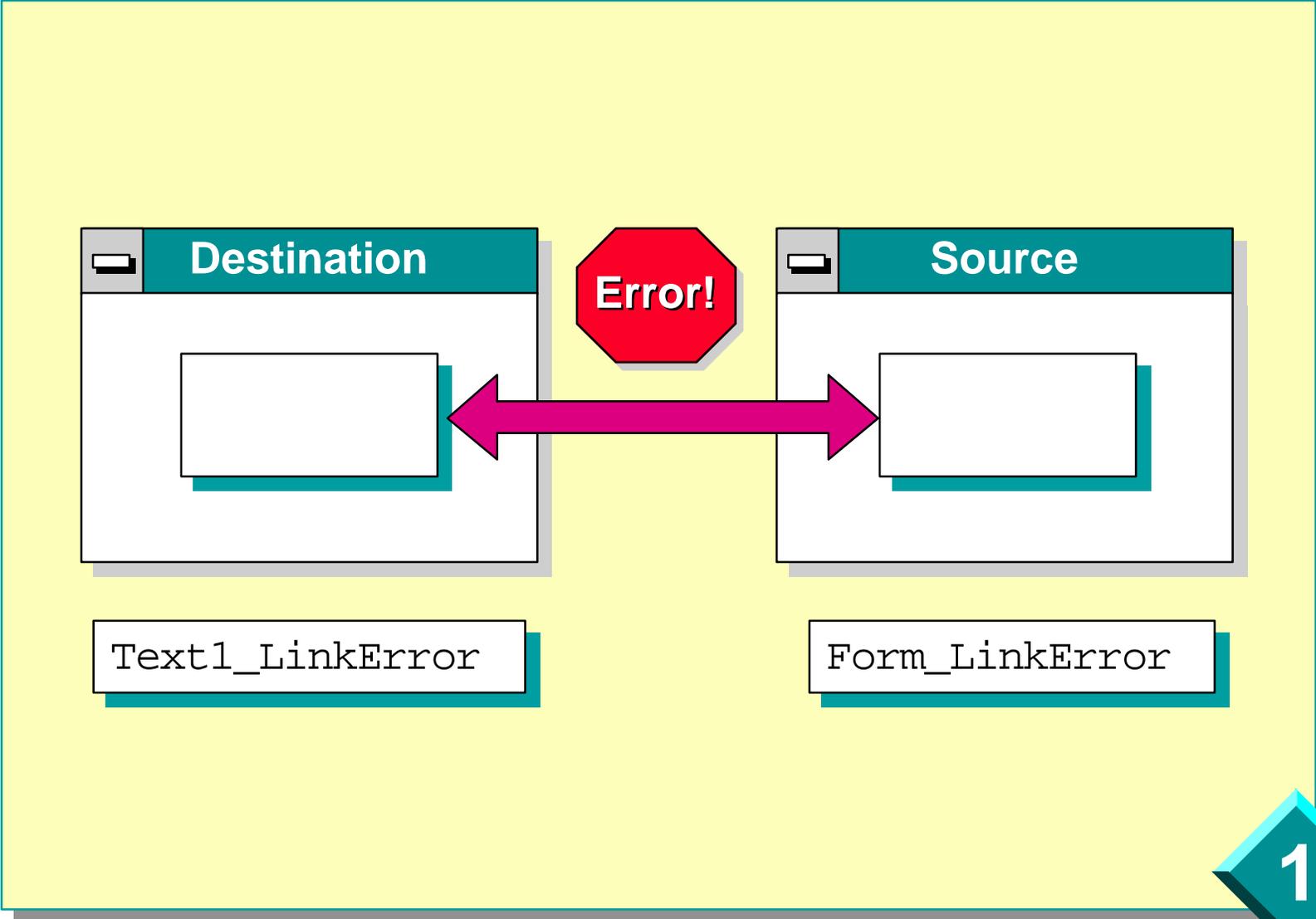
LinkOpen Event Occurs When Link Is Established



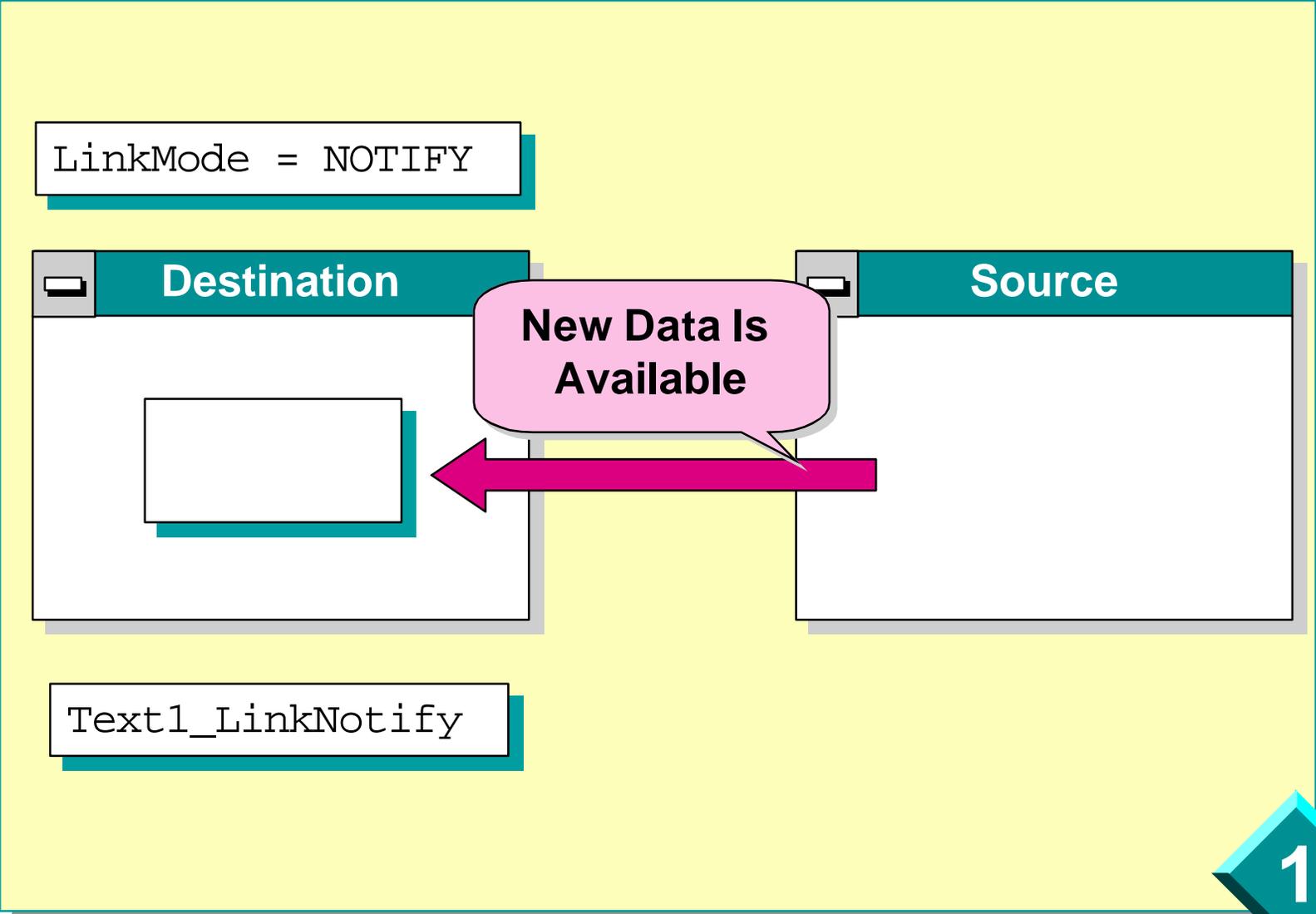
LinkClose Event Occurs When Link Is Broken



LinkError Event Occurs If DDE Causes an Error



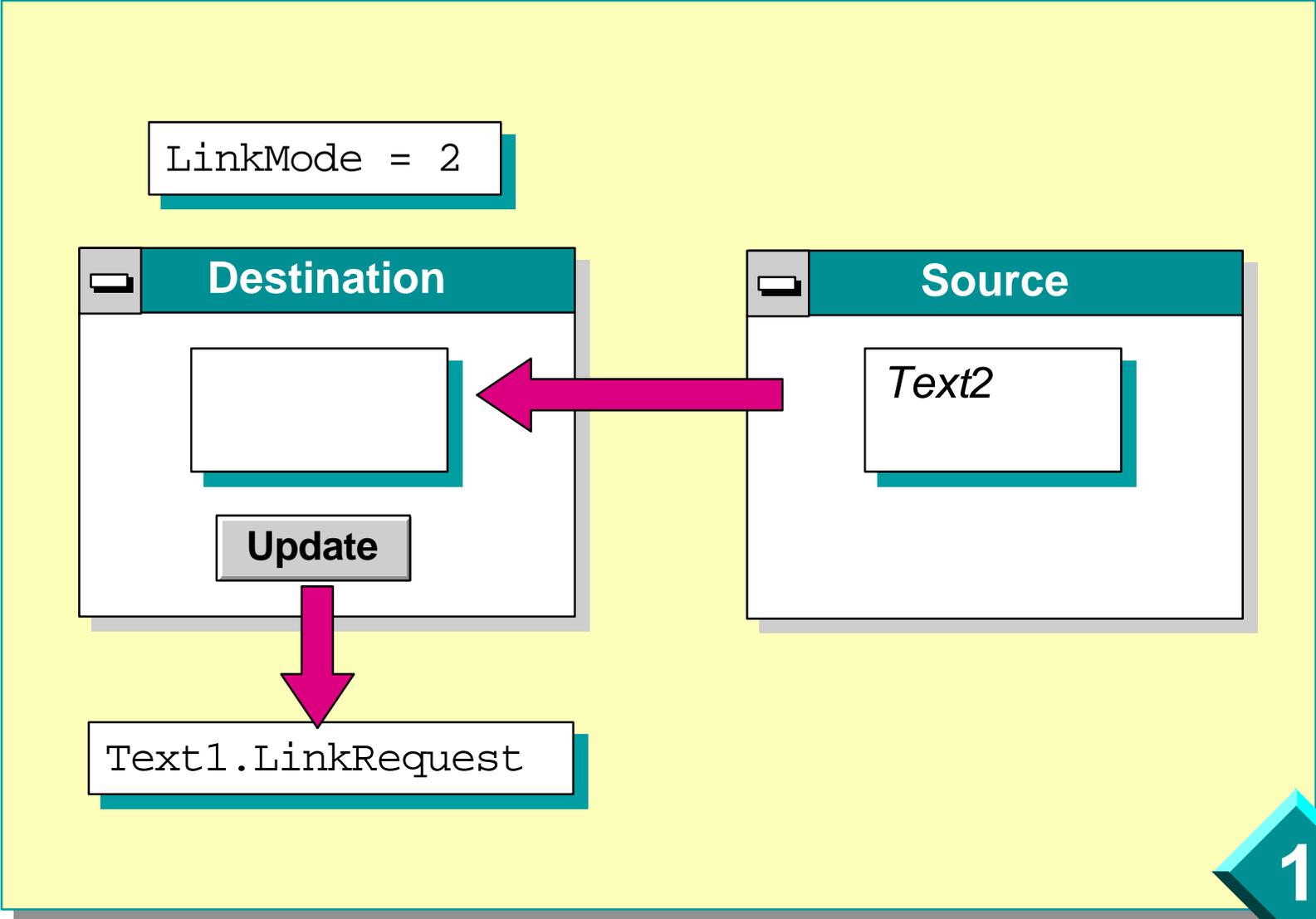
LinkNotify Event Occurs When New Data Is Available



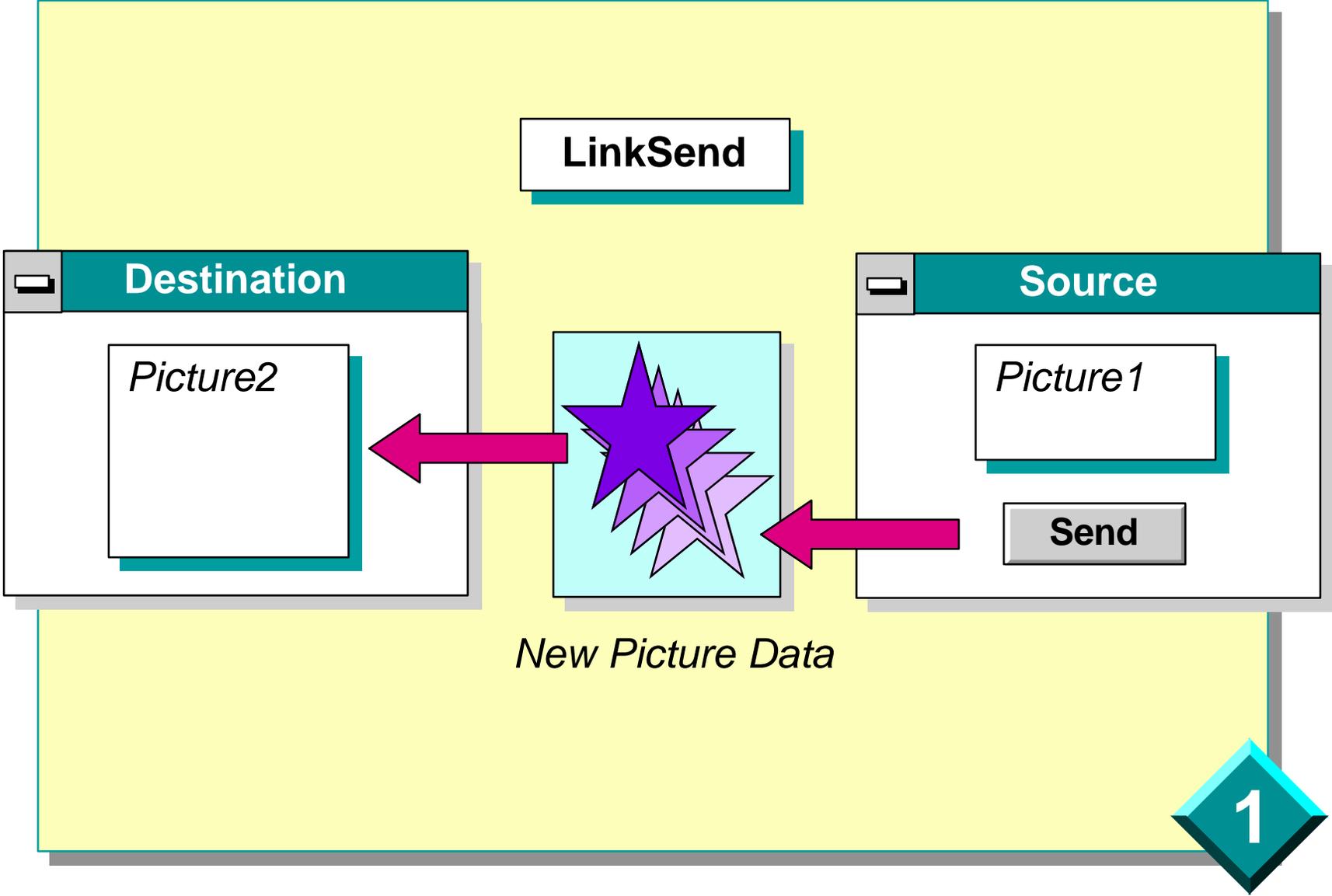
DDE Methods and Functions

- LinkRequest
- LinkPoke
- LinkExecute
- LinkSend
- Shell Function

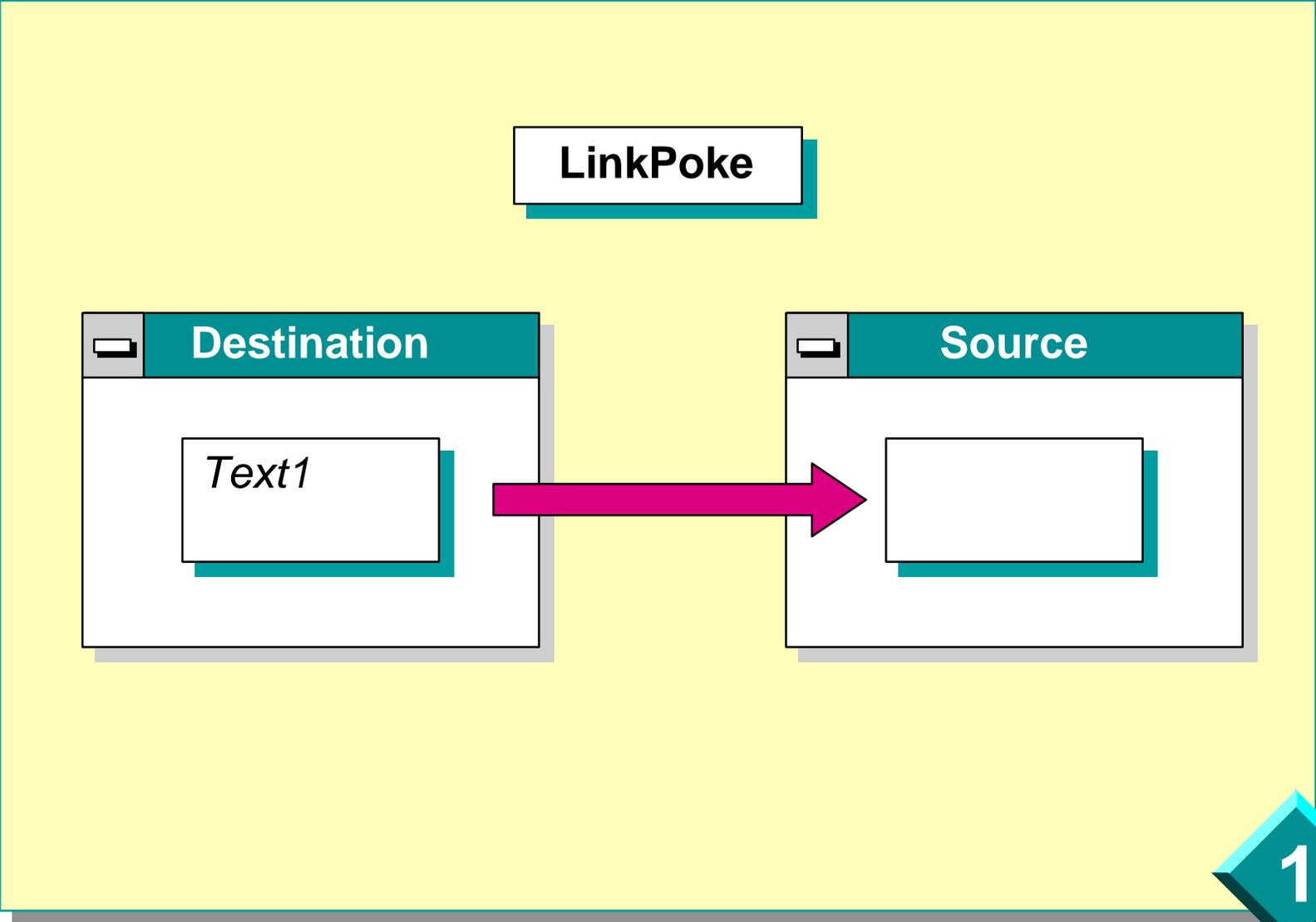
Using LinkRequest to Request Data



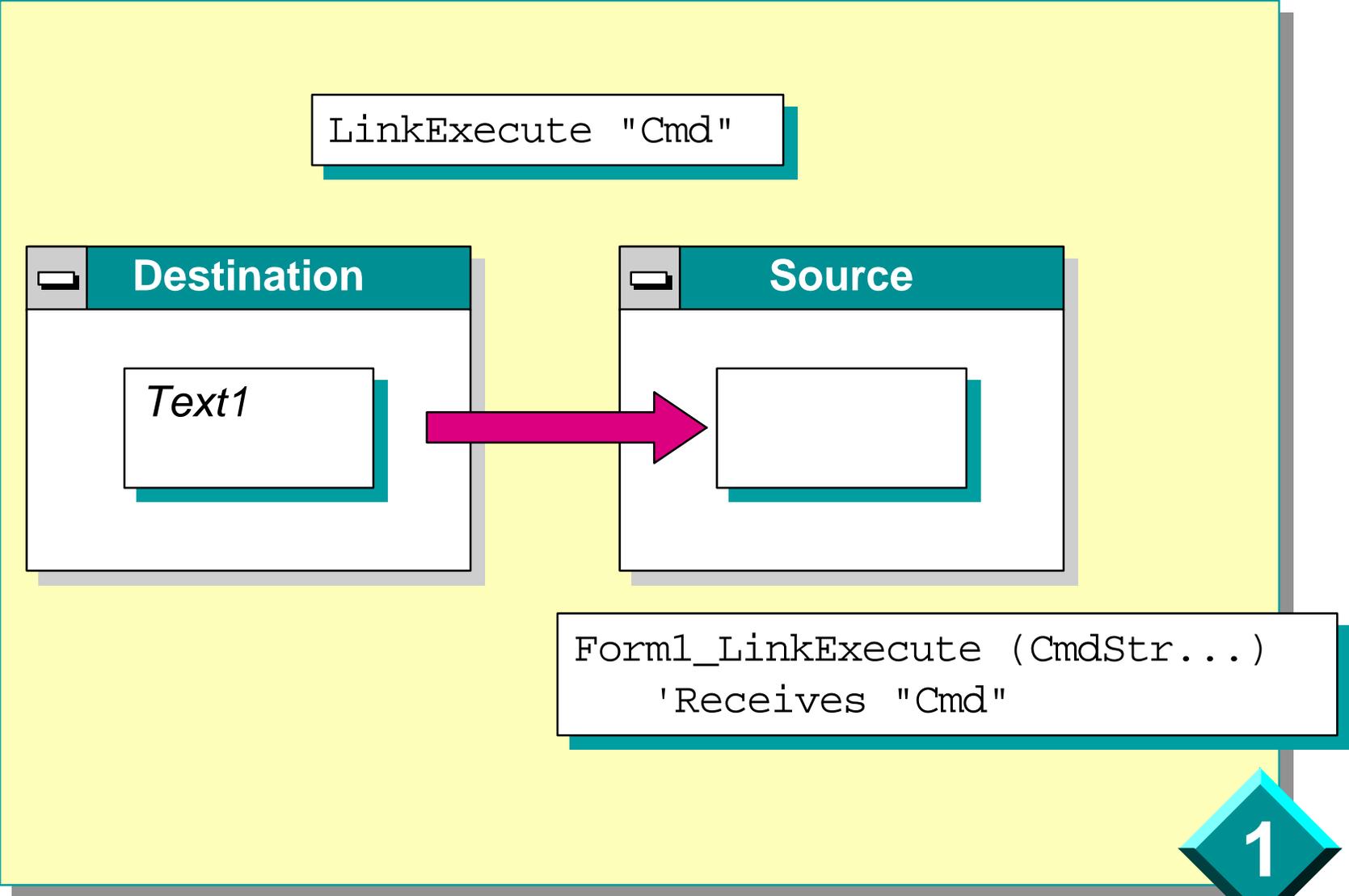
Notifying Other Applications When Picture Changes



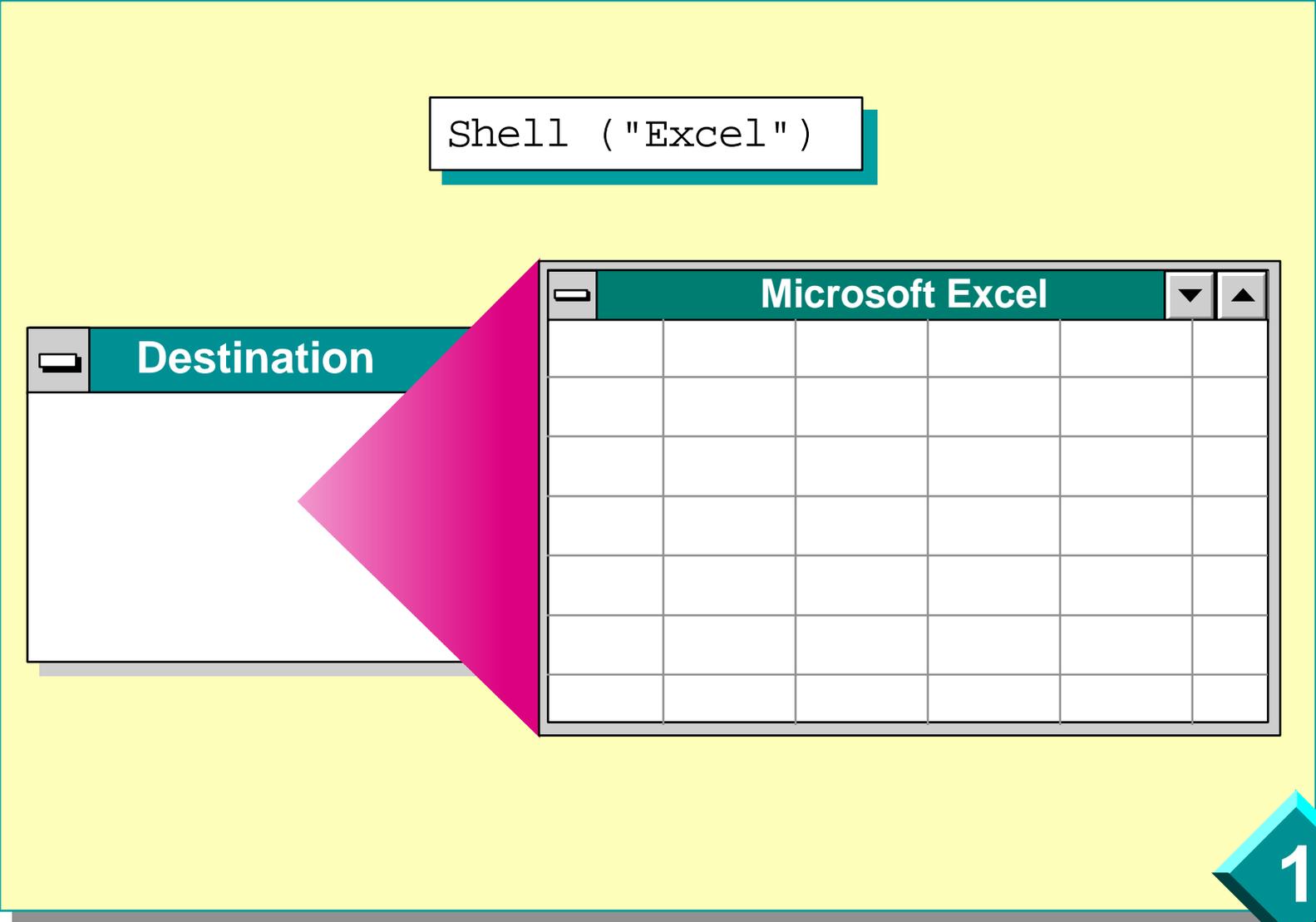
LinkPoke Method Sends Data to the Source



LinkExecute Method Sends a Command to the Source



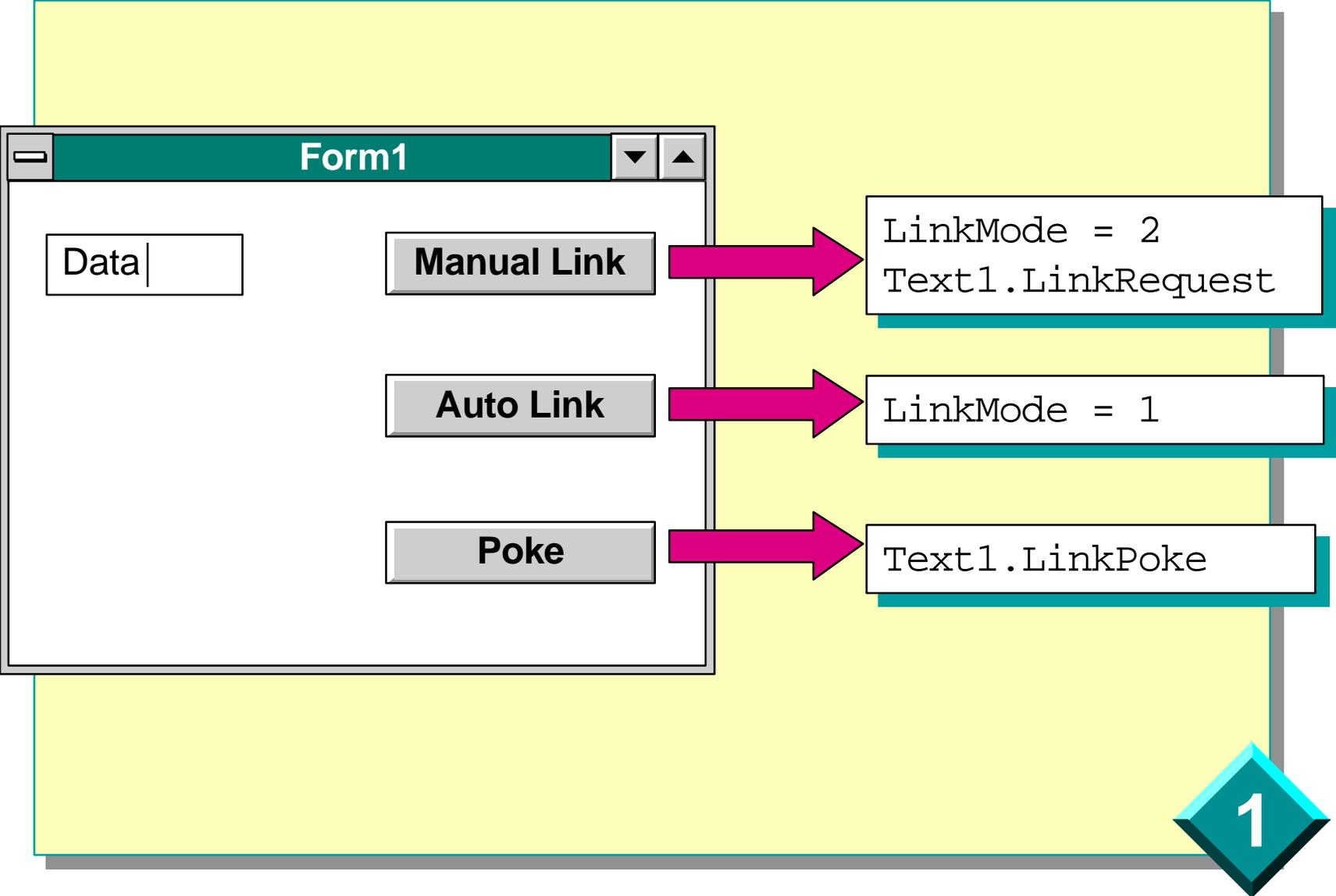
Shell Function Starts an Application



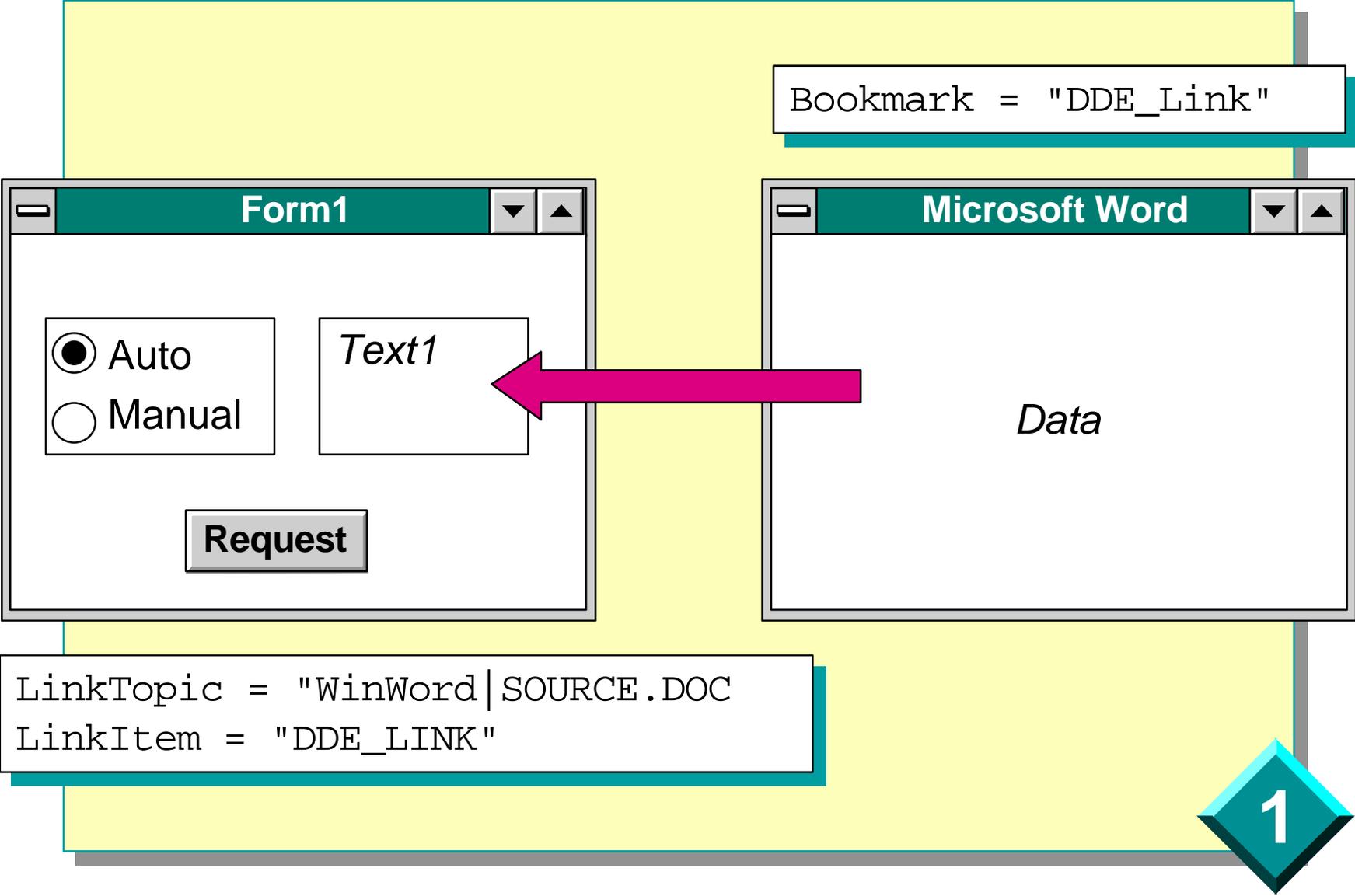
DoEvents

- **DoEvents** - Yields the CPU for Multitasking

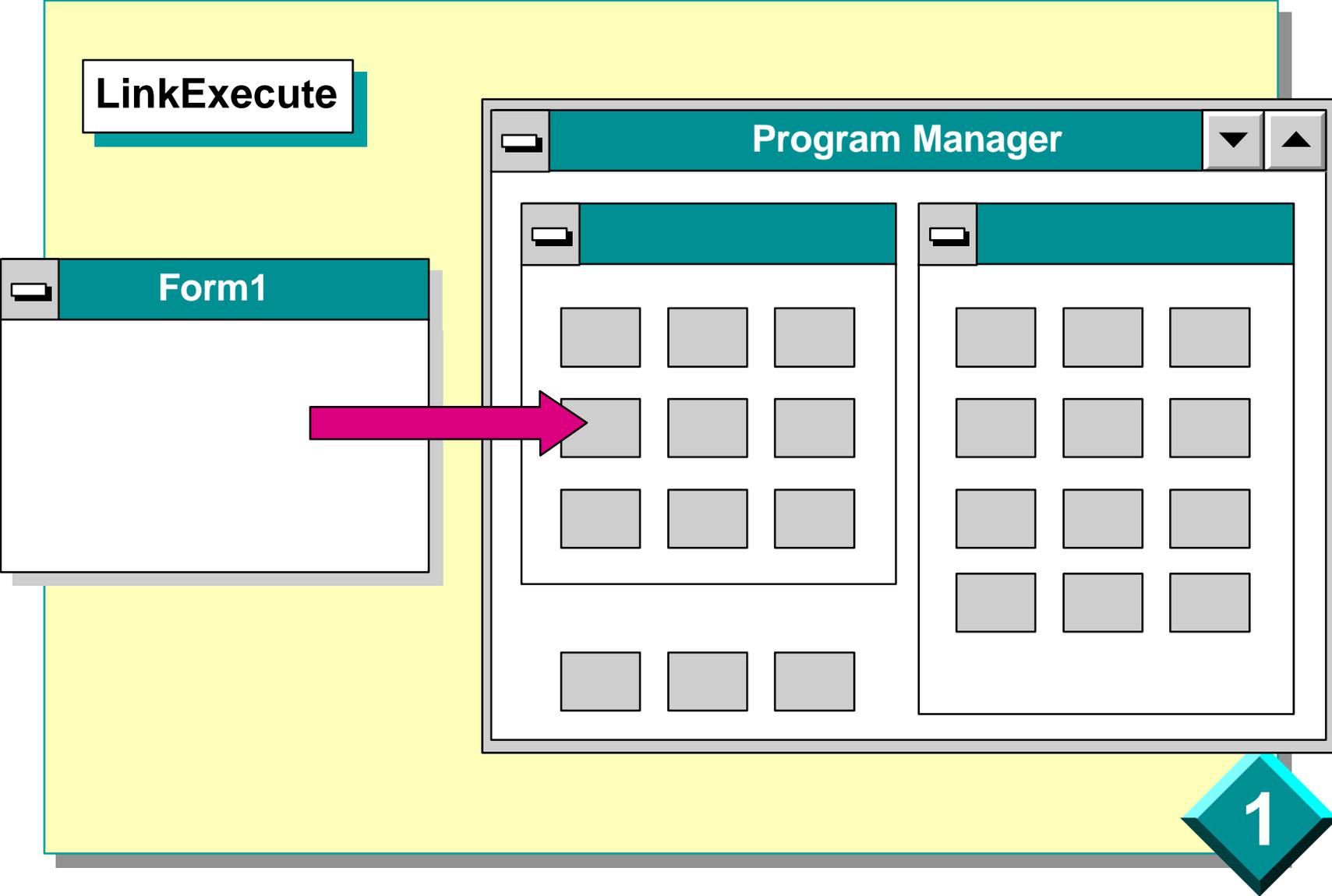
Putting It All Together



DDE to Microsoft Word for Windows



DDE to Program Manager



Summary

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