

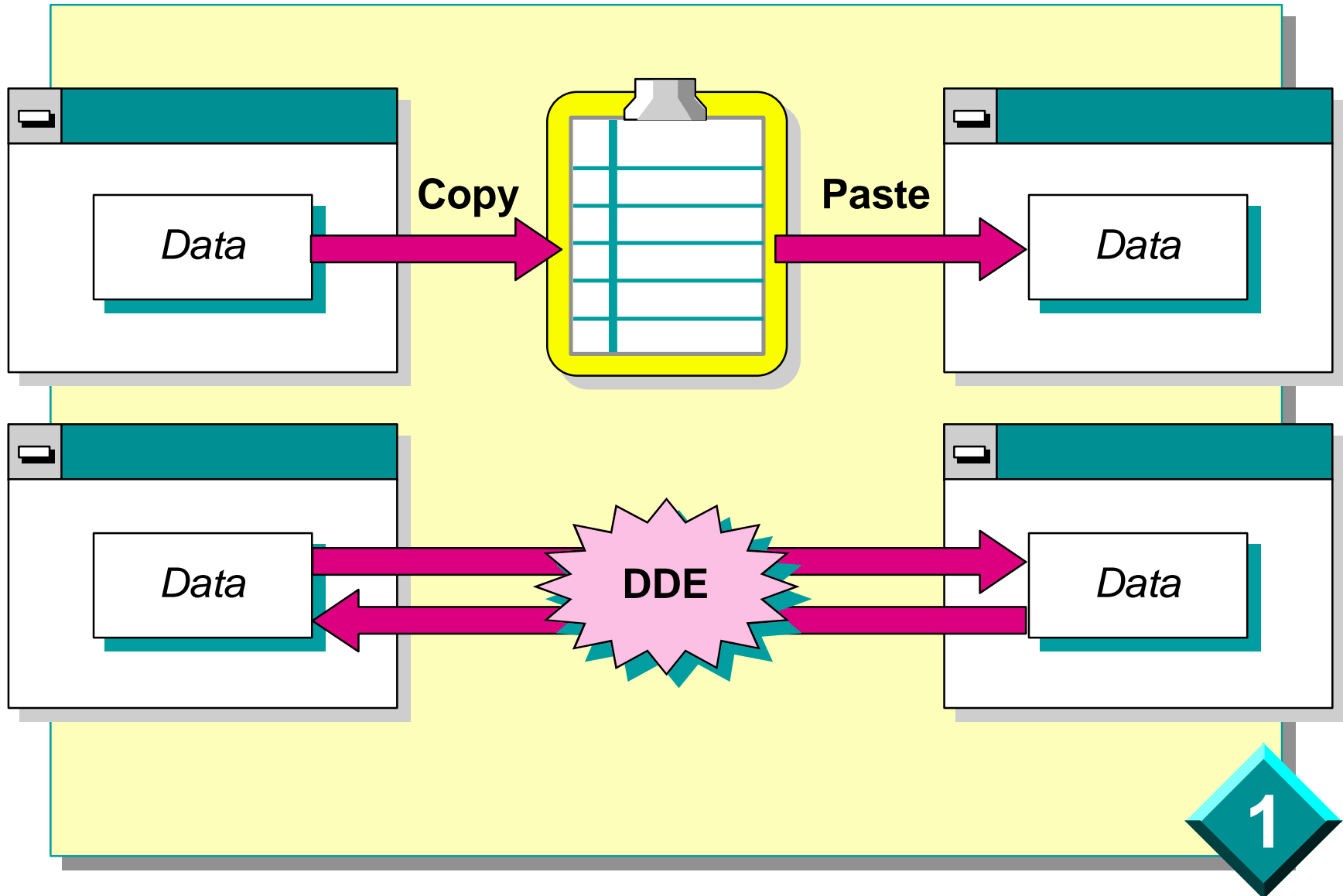
Implementing Dynamic Data Exchange

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◆ Overview

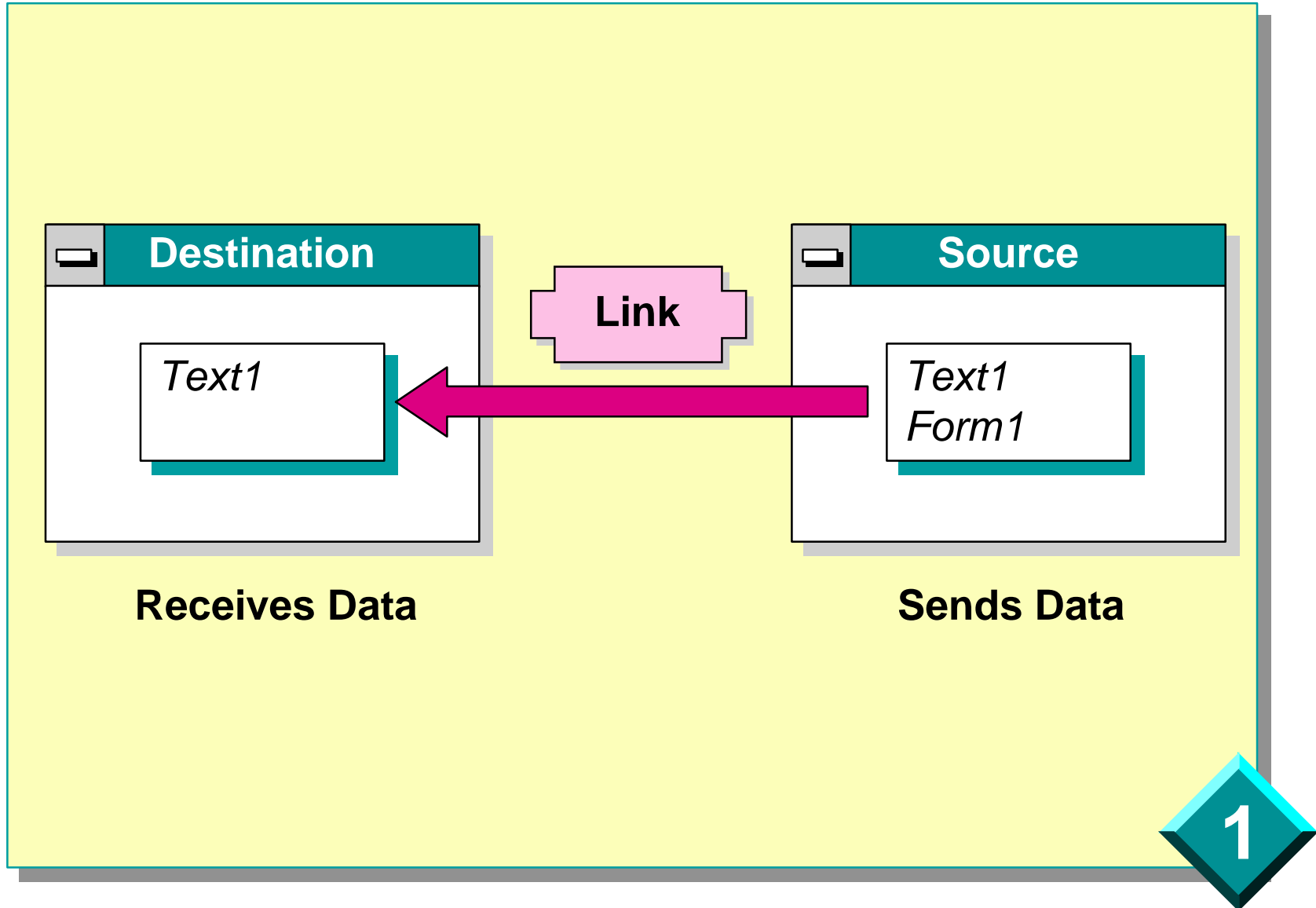
- What Is Dynamic Data Exchange (DDE)?
- Programming a Destination Application
- Programming a Source Application
- DDE with Microsoft Excel for Windows
- DDE with Microsoft Word for Windows

What Is Dynamic Data Exchange?

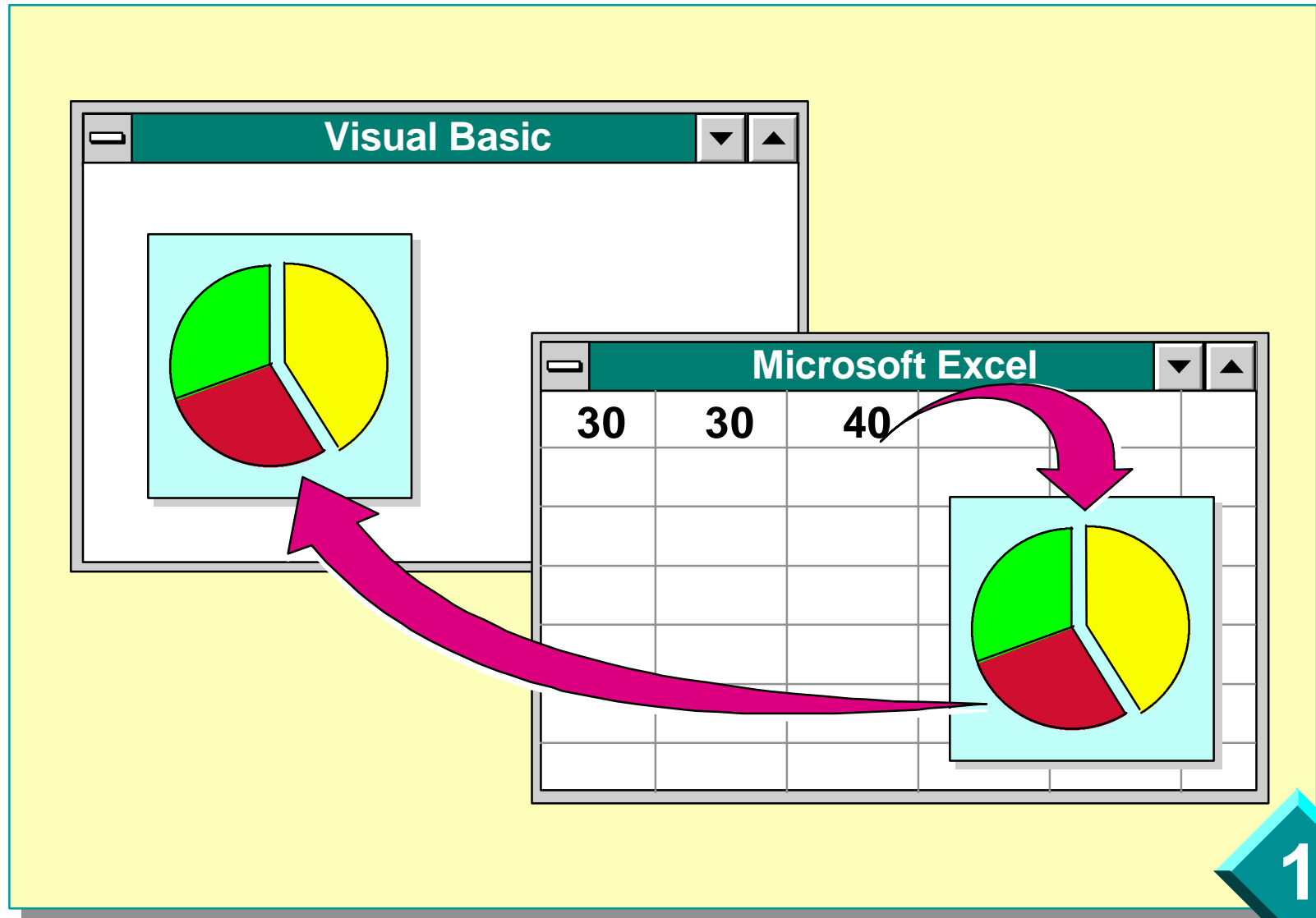


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DDE Involves a Source and a Destination Application



DDE Demo




Setting Properties to Establish the Link

Destination
LinkTopic
LinkItem
LinkMode
LinkTimeout

Source
LinkTopic
LinkMode

Order of Setting Properties



Destination

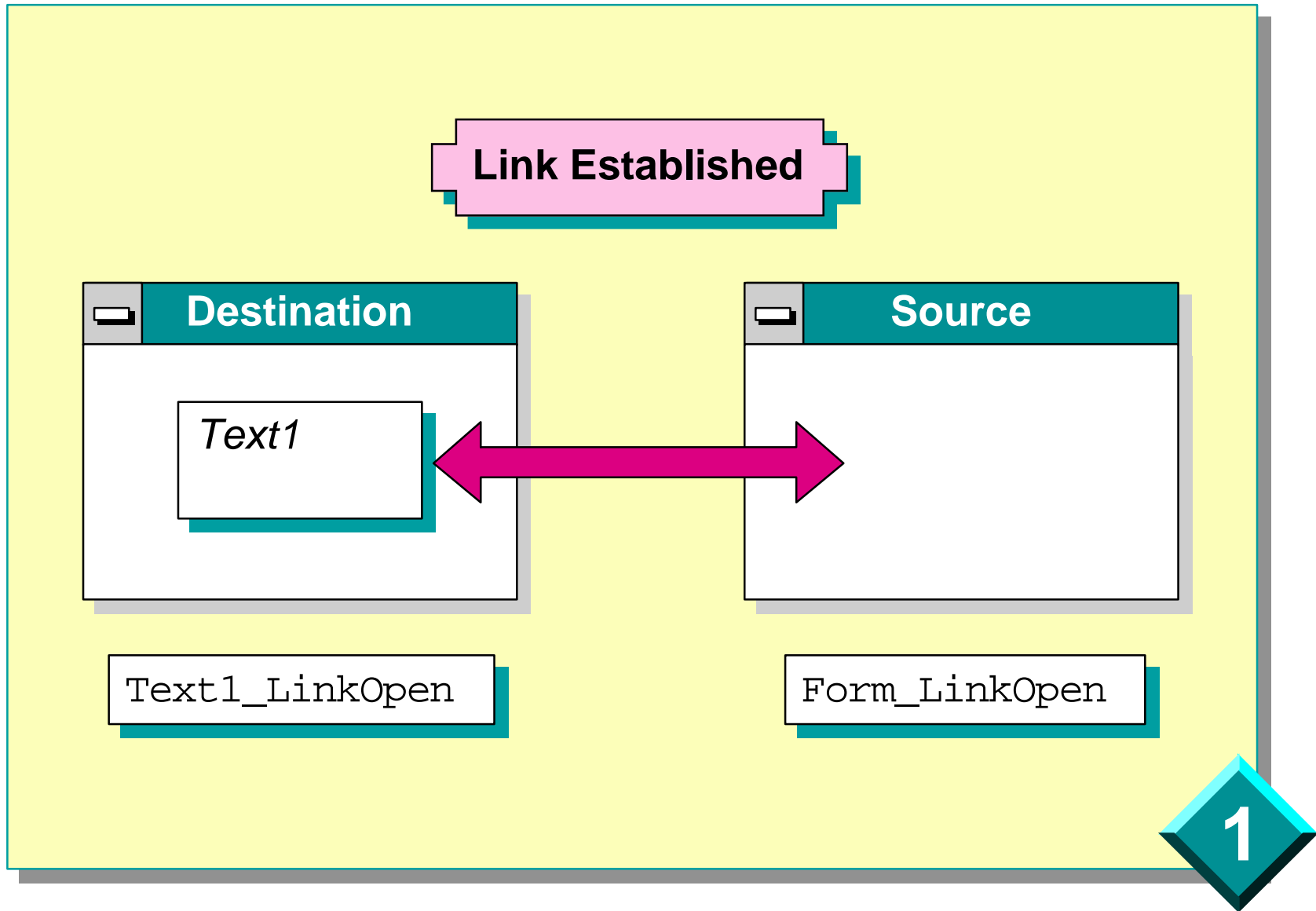
1. LinkMode = 0
2. Set LinkTopic
3. Set LinkItem
4. Set LinkTimeout
5. LinkMode = 1

Link Is Attempted

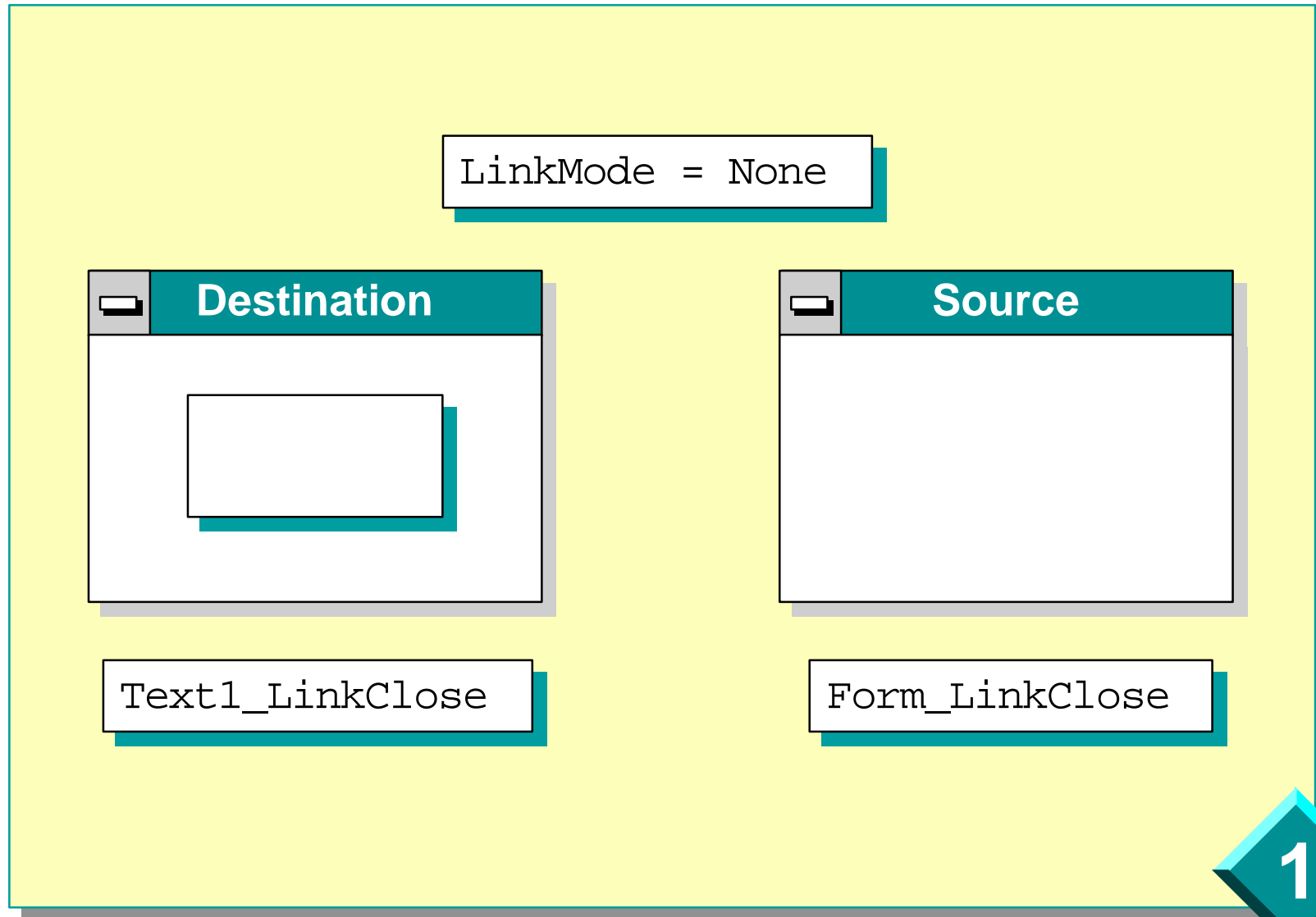
DDE Events

- LinkOpen
- LinkClose
- LinkError
- LinkNotify

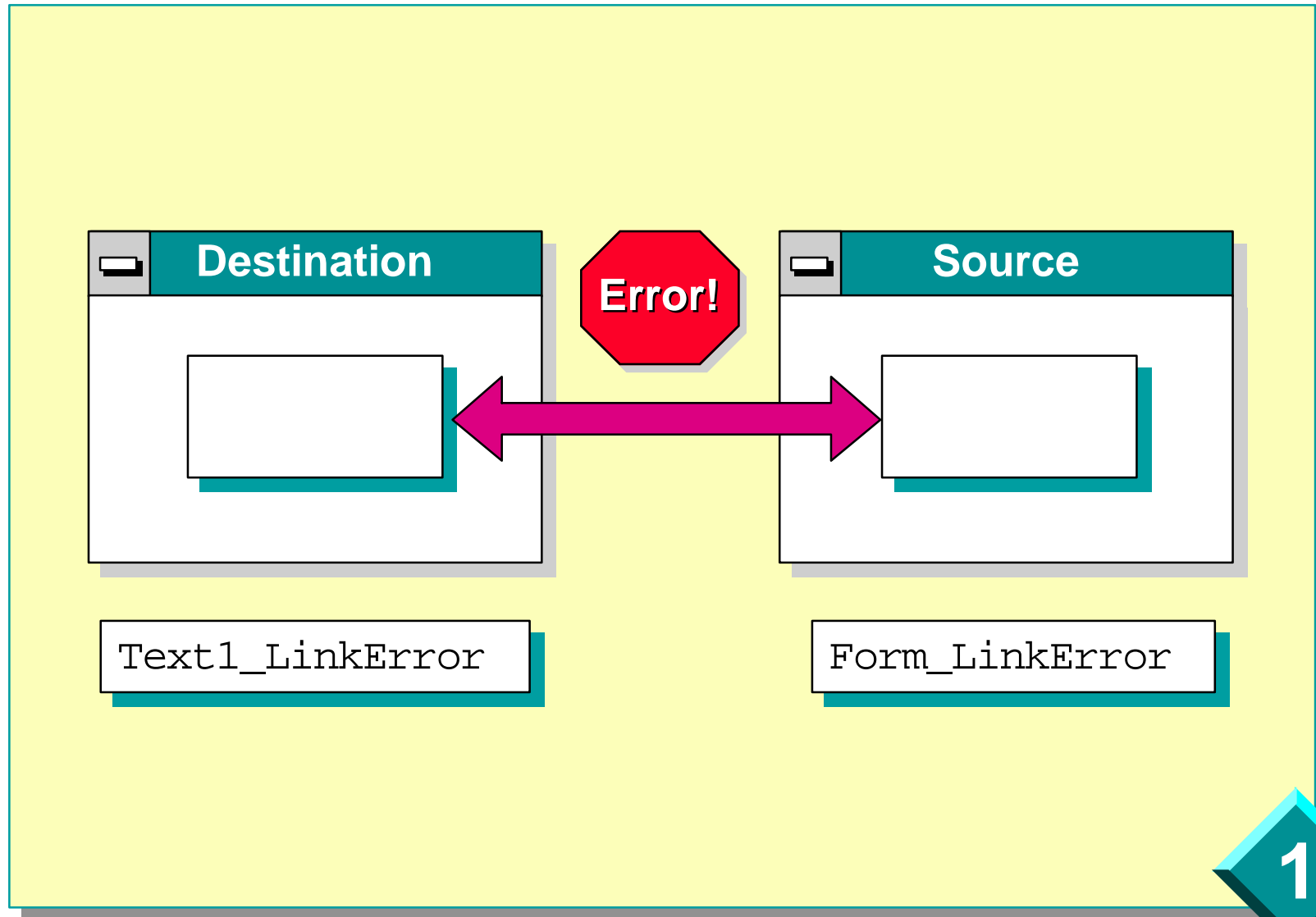
LinkOpen Event Occurs When Link Is Established



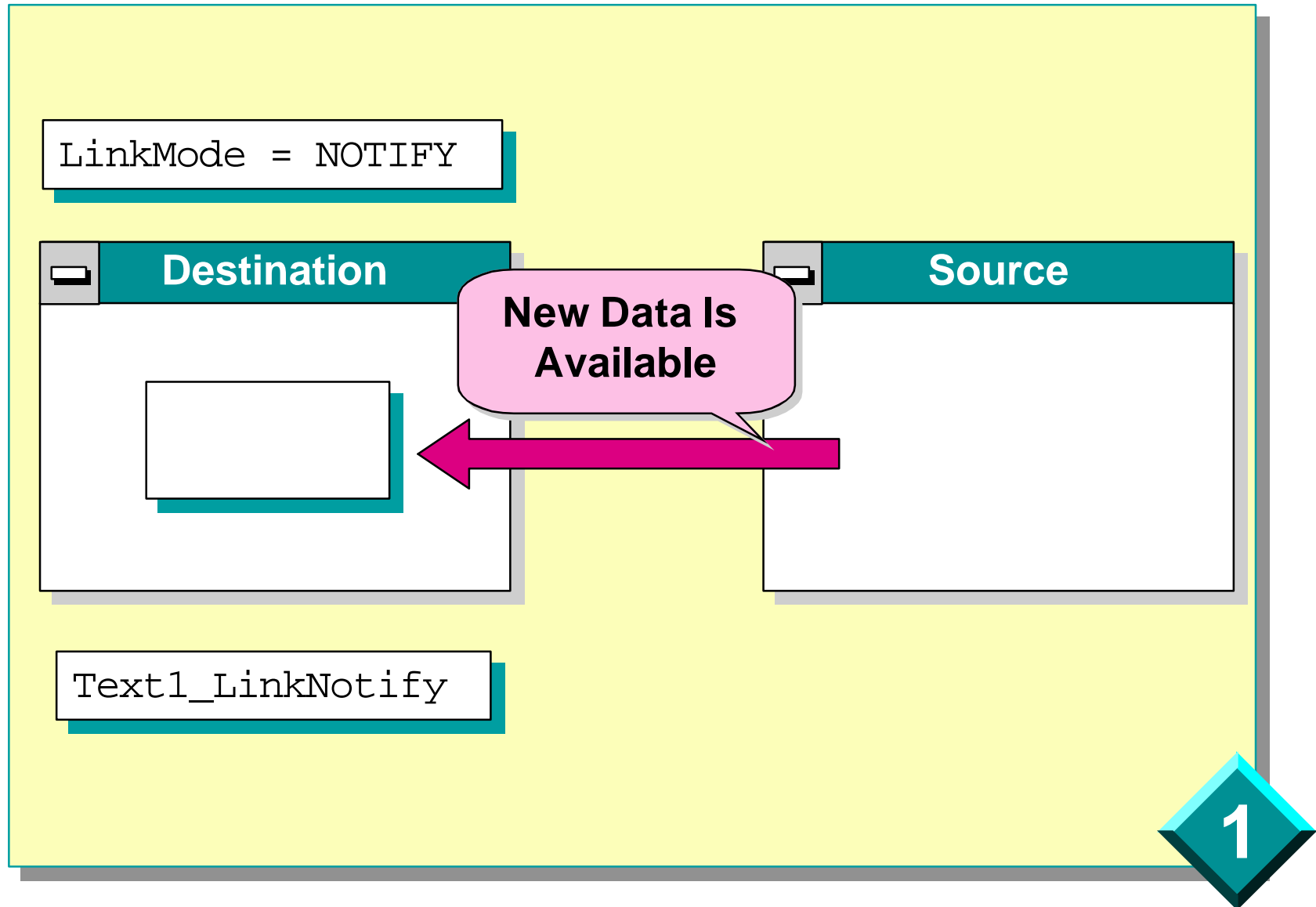
LinkClose Event Occurs When Link Is Broken



LinkError Event Occurs If DDE Causes an Error



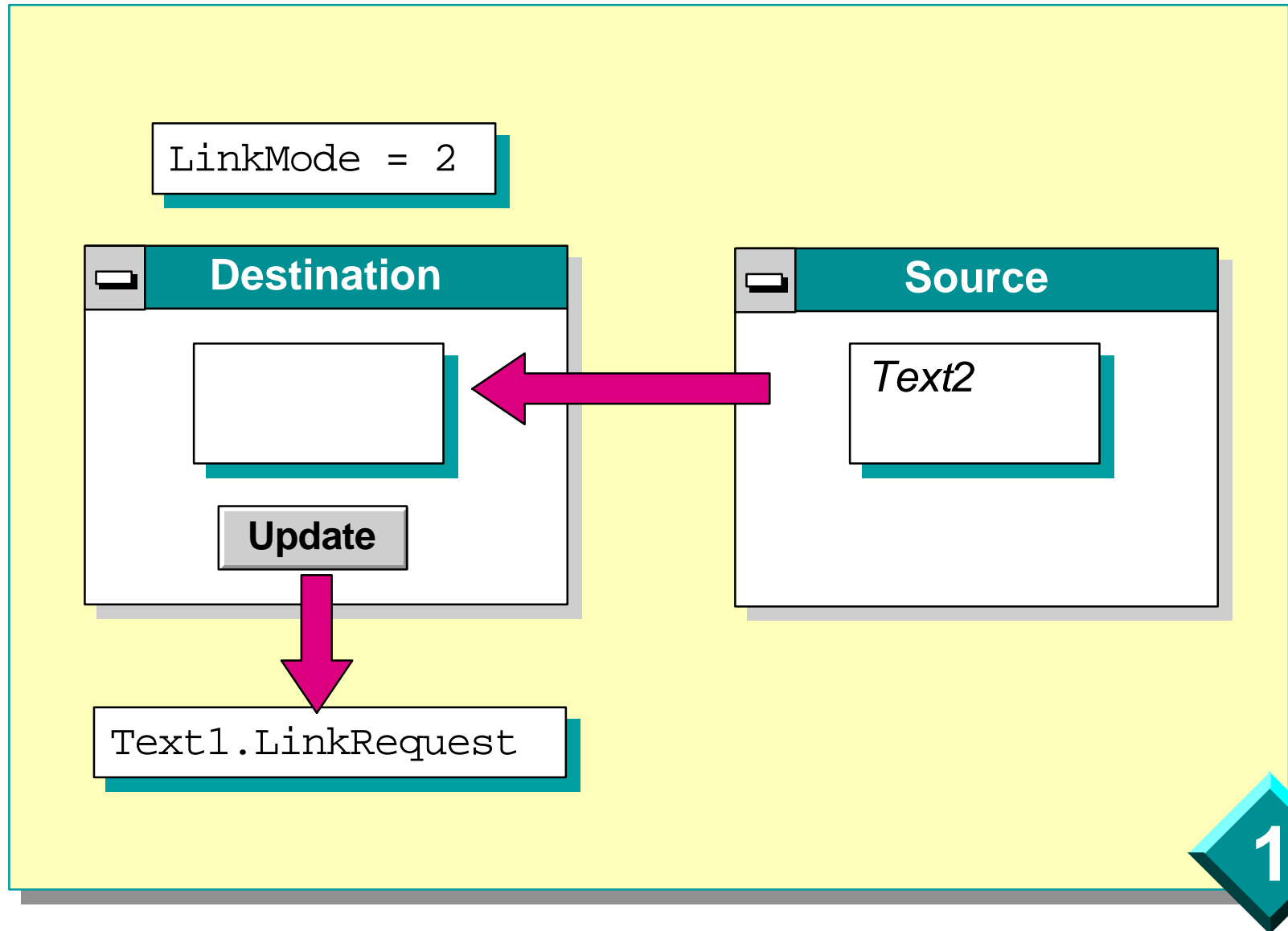
LinkNotify Event Occurs When New Data Is Available



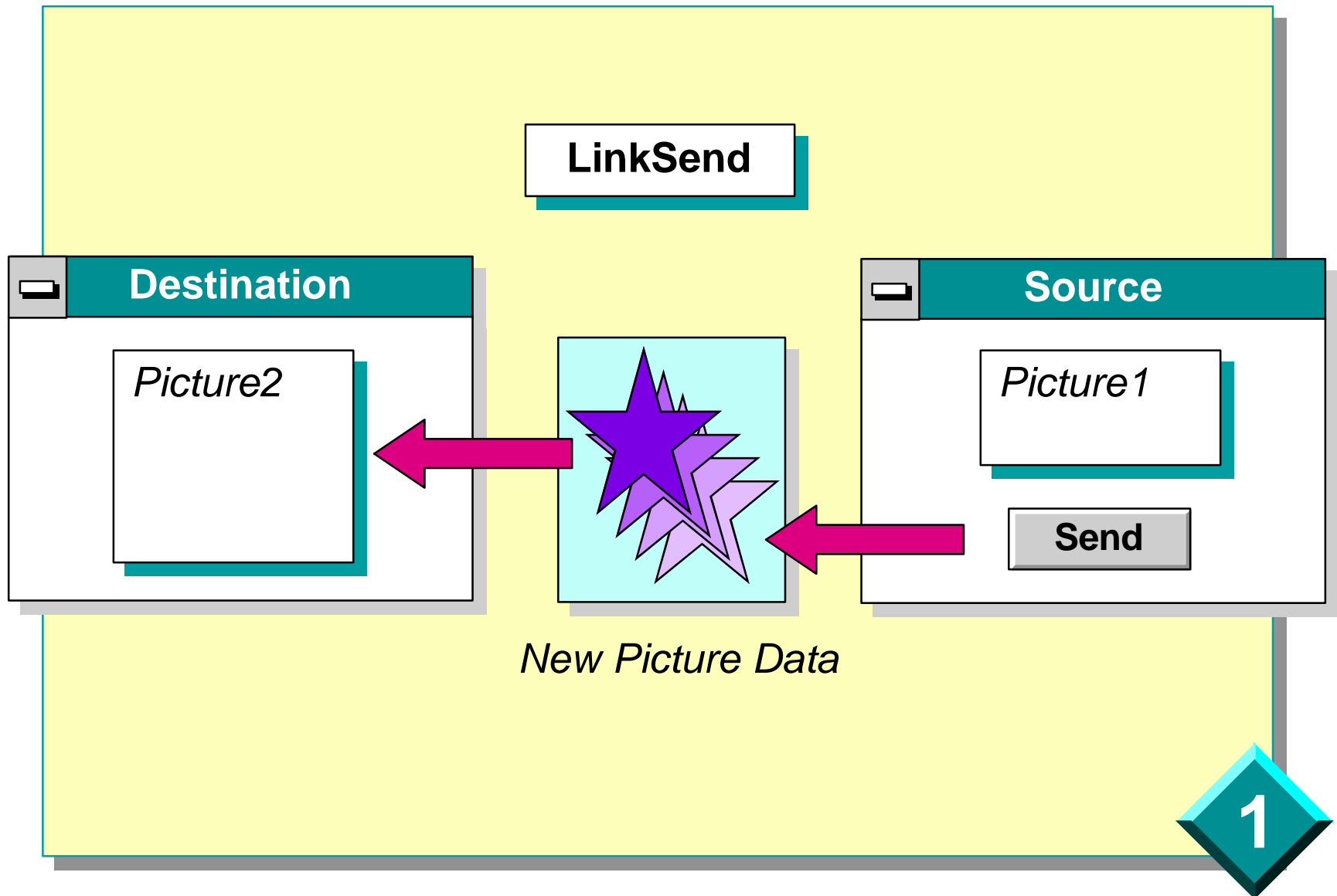
DDE Methods and Functions

- LinkRequest
- LinkPoke
- LinkExecute
- LinkSend
- Shell Function

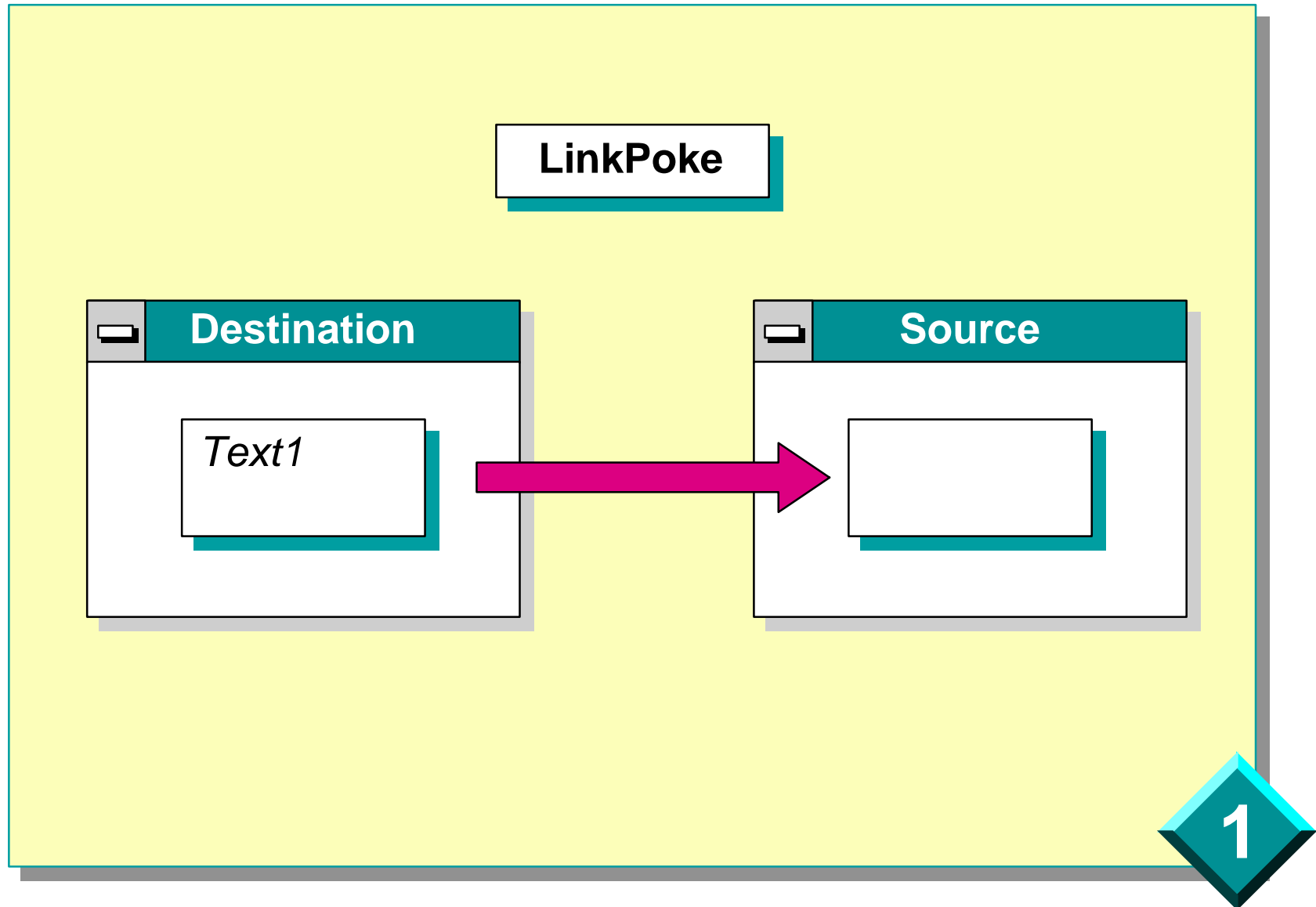
Using LinkRequest to Request Data



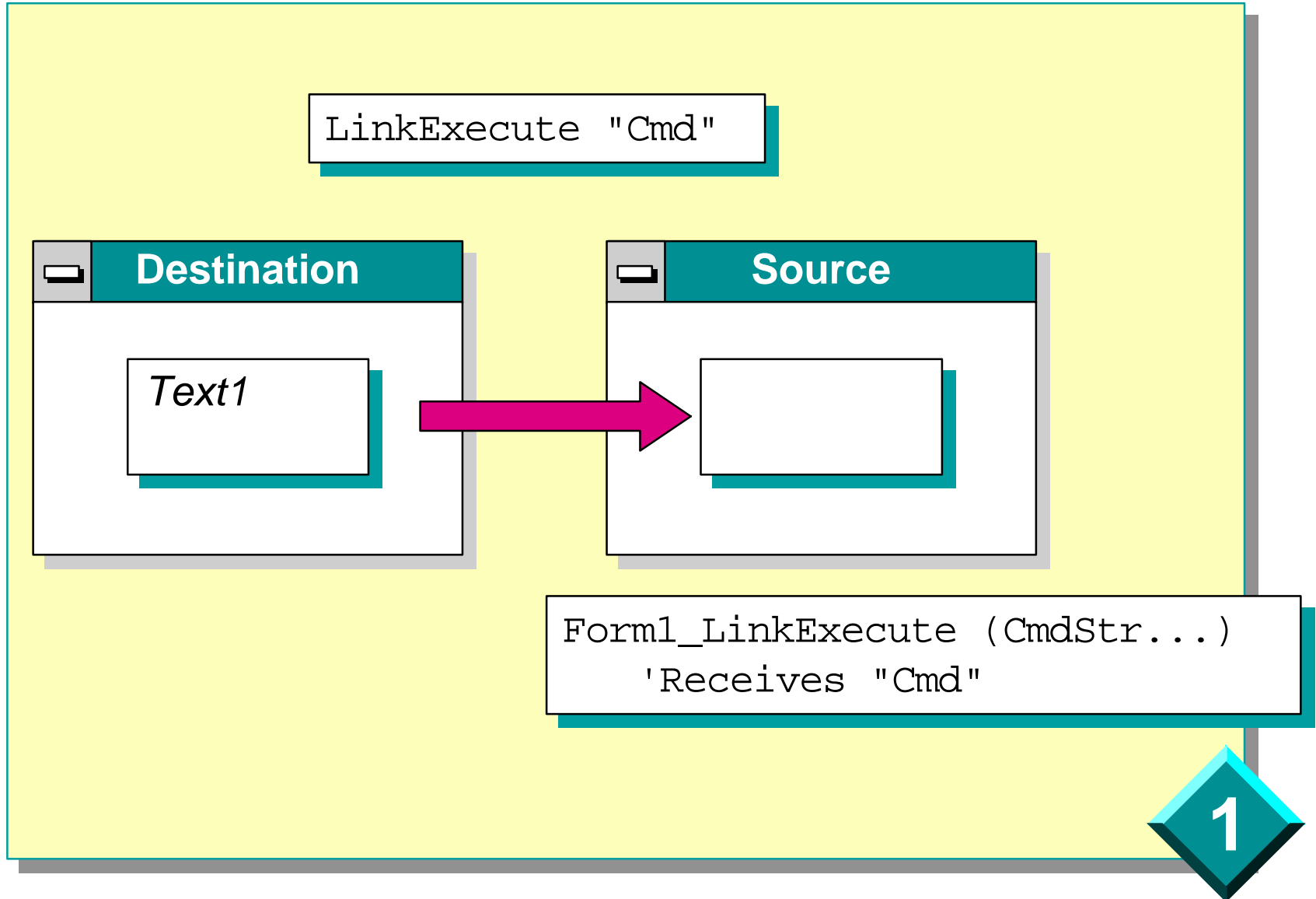
Notifying Other Applications When Picture Changes



LinkPoke Method Sends Data to the Source

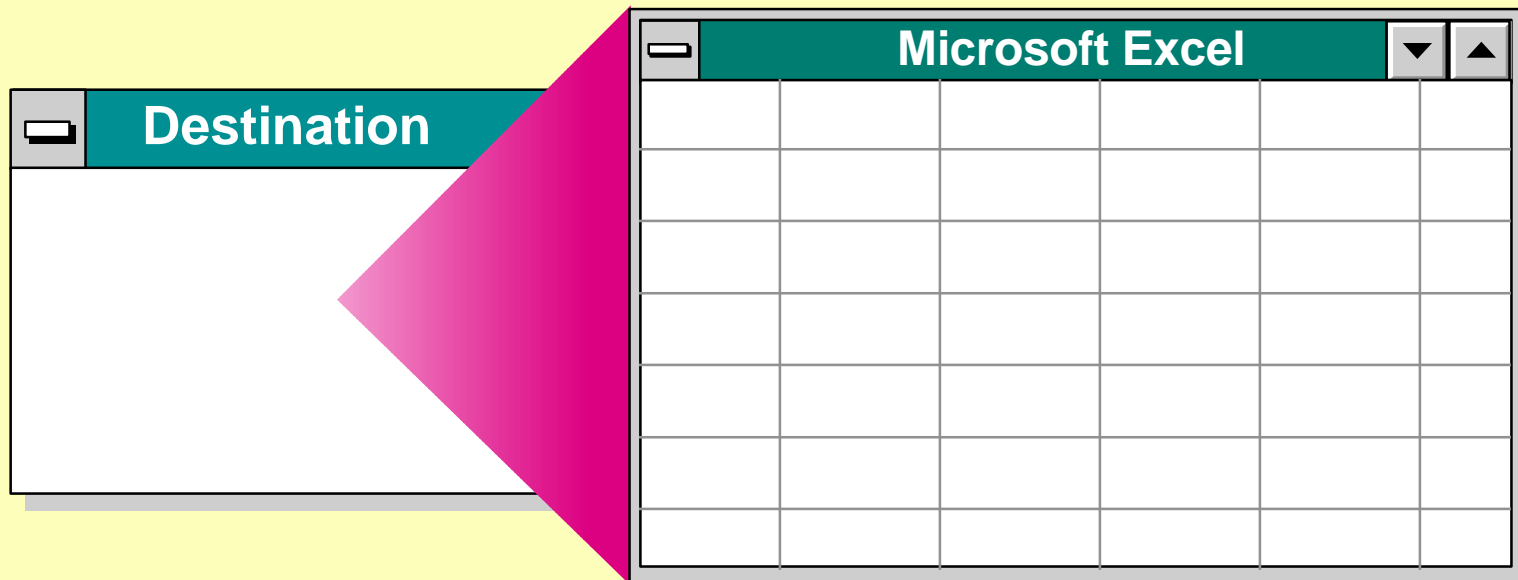


LinkExecute Method Sends a Command to the Source



Shell Function Starts an Application

```
Shell ("Excel")
```

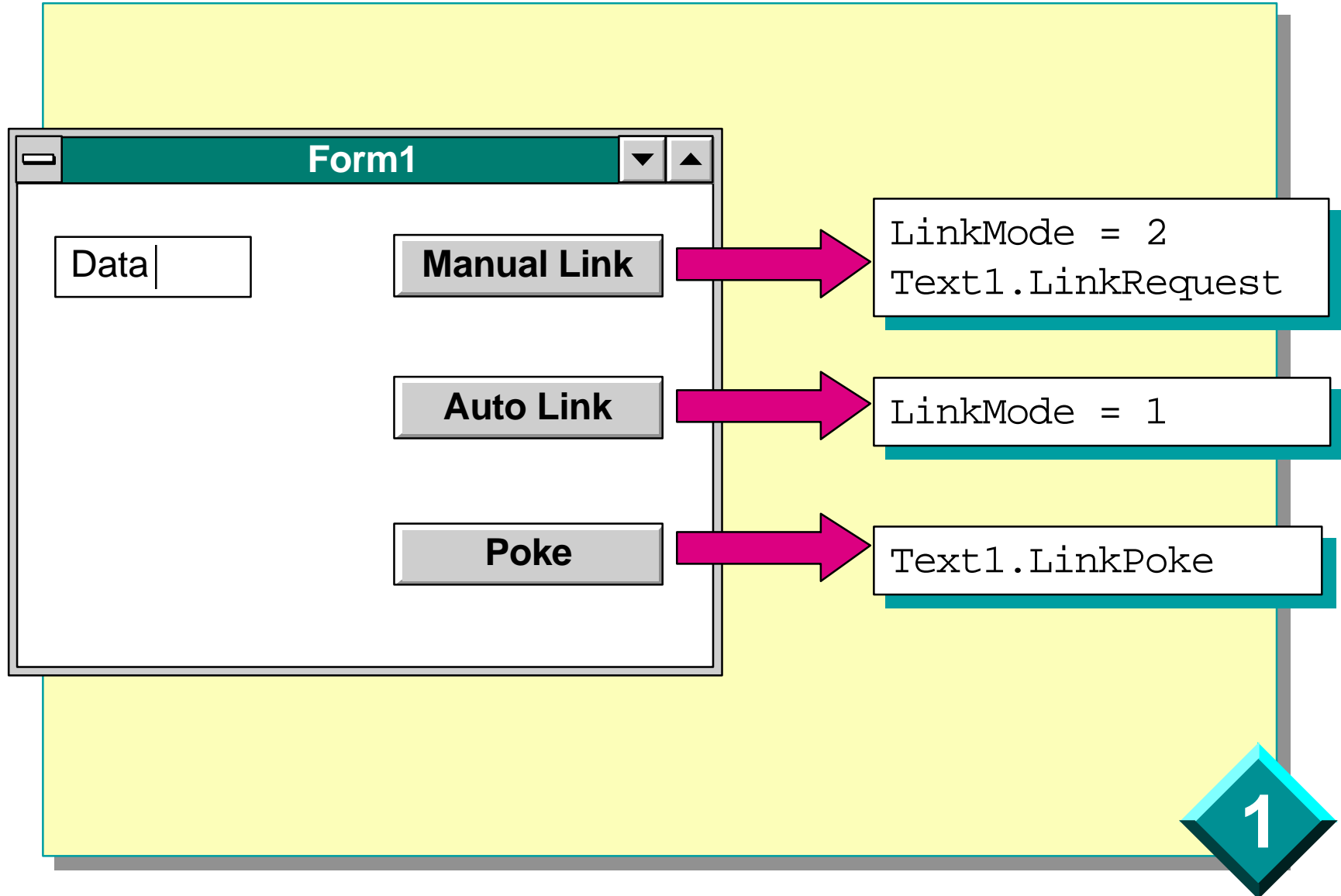


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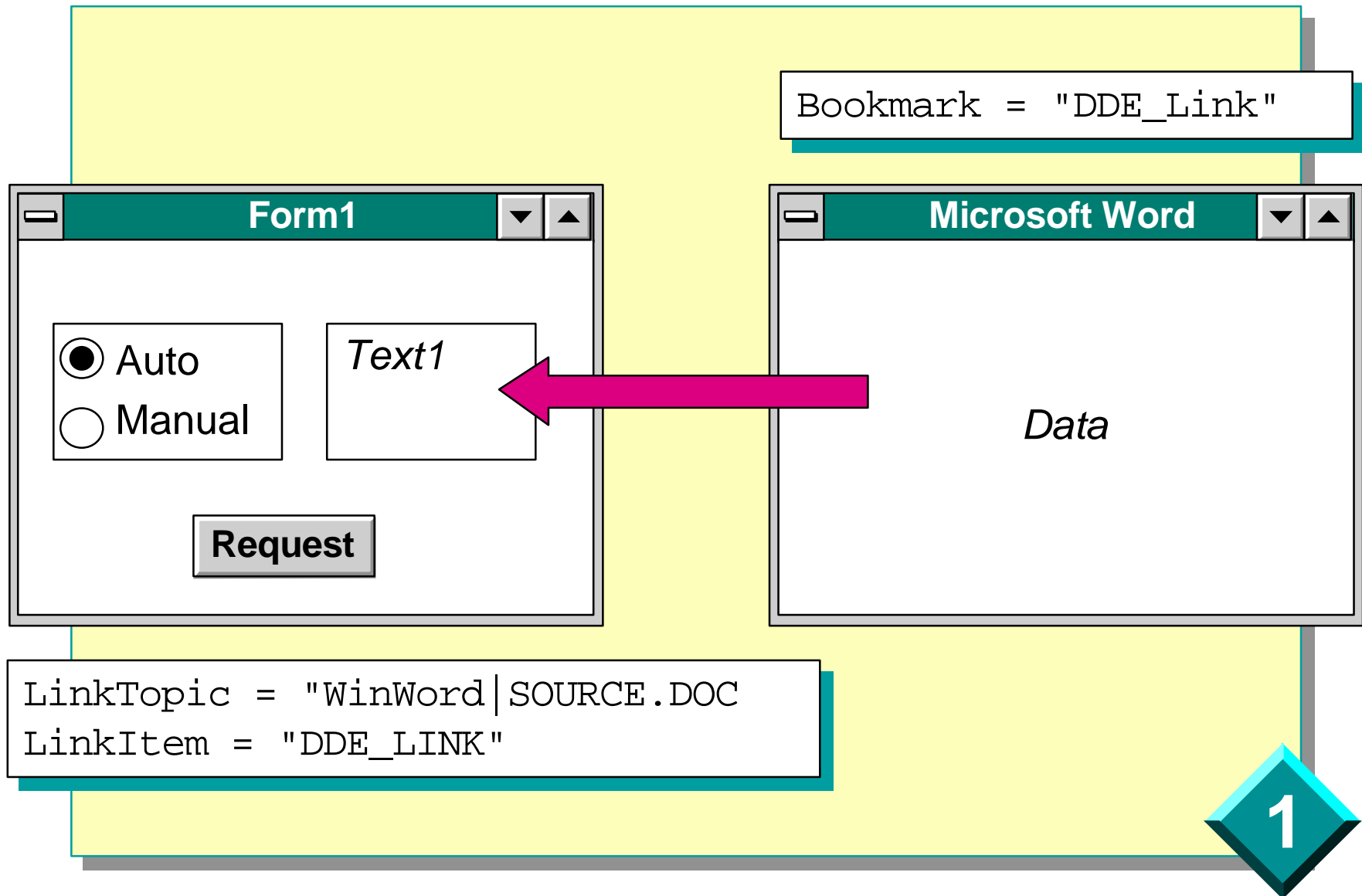
DoEvents

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

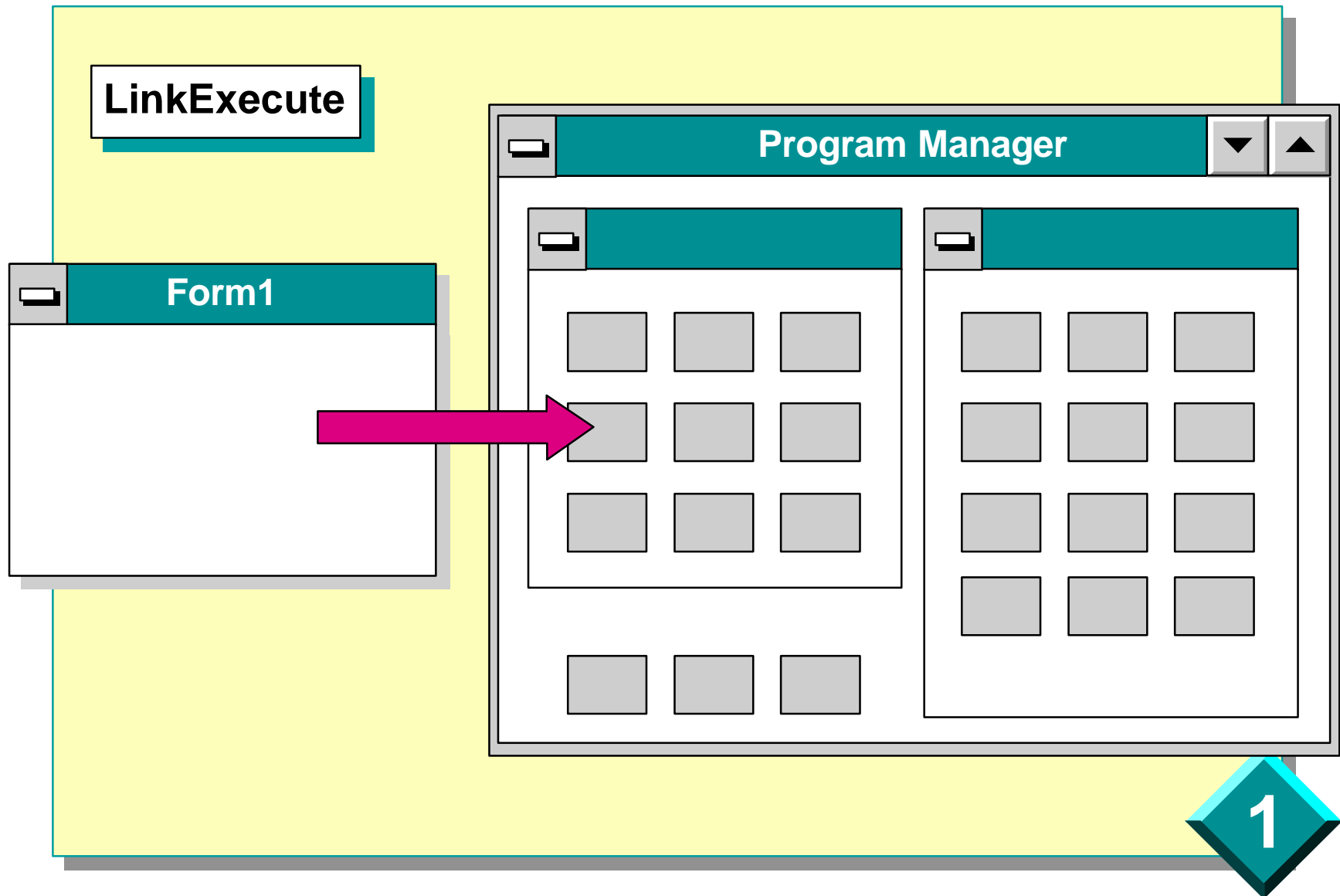
Putting It All Together



DDE to Microsoft Word for Windows



DDE to Program Manager



Summary

- What Is Dynamic Data Exchange (DDE)?
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