



# DataLink 4.1: Need for Speed

Presented by  
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**Empowering Business in Real Time**  
**PI Infrastructure for the Enterprise**

# Current Releases

- Part of Microsoft Office 2007's design process
- Research began as early as 2005
- DataLink for Excel Services 3.1.6.2
  - Released in June 2007
- DataLink 4.0.3
  - Released in Sep 2008
- DataLink for Excel Services 4.0.3.0
  - Released in Jan 2009

# Current Release: DataLink 4.0.3

- Support Office 2007 ribbon
- Non-modal task panes replace modal dialogs
- # of rows limitation removed
- Still support Office 2000+
  - Old UI
  - Old limitations

Current Value

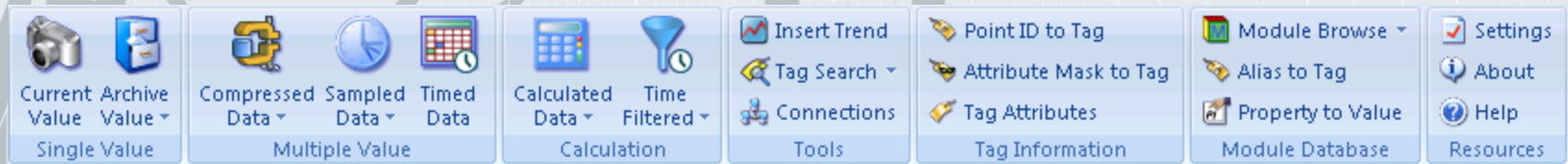
PI Server (optional)  
dlaipi

Tagname(s)

Output Cell  
Sheet1!\$F\$13

☒ no timestamp  
☐ time at left  
☐ time on top

OK Apply



# Current Release: DataLink for Excel Services

- DataLink functions viewable from a web browser
- Parameter list enables to change cells
- Parameters are named ranges on the spreadsheet
- Make existing spreadsheets portable to Sharepoint portal
- Easy to upgrade everyone at once
- One Version of Truth

# Current Release: DataLink for Excel Services

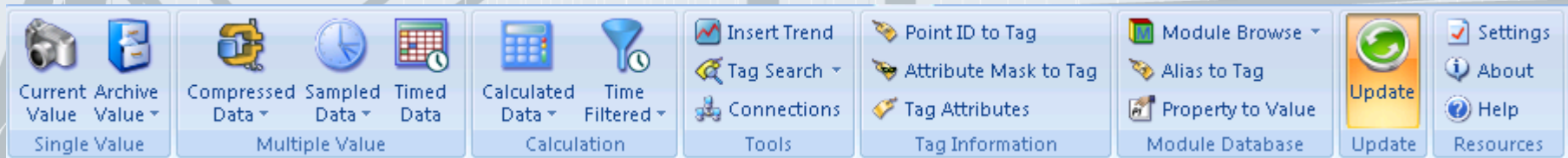
- On server machine
  - Sharepoint 2007
  - DataLink for Excel Services
- On publishing machine
  - Excel 2007
  - DataLink
- On client machine
  - No DataLink or Excel needed
  - Just need a browser

# Enhancements in DataLink 4.1

- Workflow
  - Auto-Update
  - Auto-Suggest
  - Disable Auto Re-initialization setting
- Performance
  - Tag Search

# Auto-Update

- Able to recalculate spreadsheets automatically
- Available in both Office 2000-2003 edition and 2007 edition of the add-in
- Able to toggle on and off
- Pressing Esc interrupts current calculation cycle after current function finishes
- Does NOT resize functions



# Auto-Update Settings

- Option to Calculate (F9) or Calculate Full (Cntl+Alt+Shift+F9)
- Interval specification
  - Auto – interval based on previous time elapsed for a calculation cycle
  - Manual – interval specified by user in seconds

Settings

Copy items to sheet

☐ In a row

☒ In a column

☐ Copy PI Server Name

☐ Use PI Server Time Zone

☐ Display #N/A instead of Blanks

☐ Locale Independent

☐ Disable automatic re-initialization of fields

Number Format

General

Time Format

dd-mmm-yy hh:mm:ss

Automatic Update

☐ Calculate (F9)

☒ Full Calculate (Ctrl-Alt-Shift-F9)

Interval (seconds) - Enter 0 for Auto

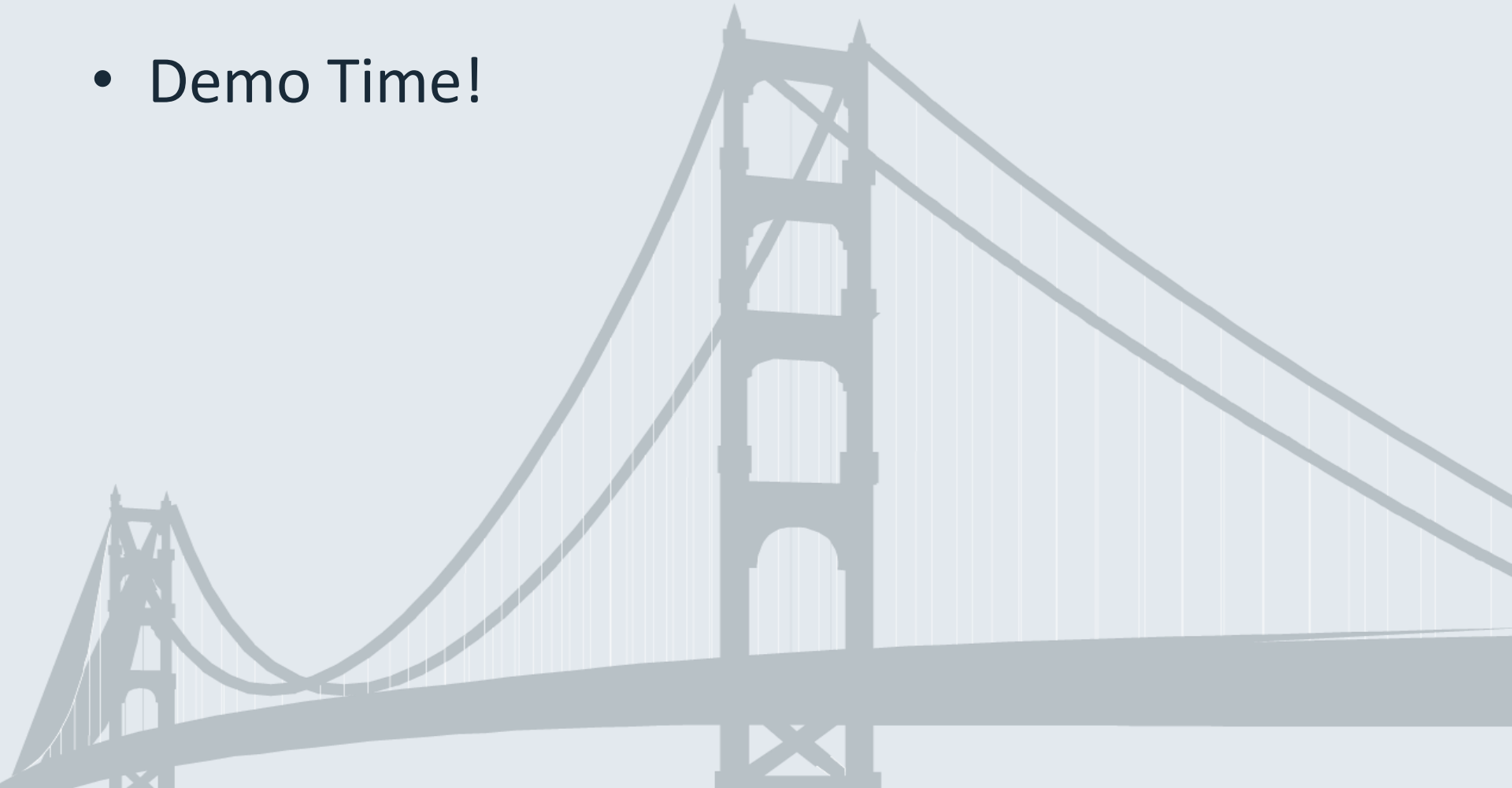
0

OK Cancel



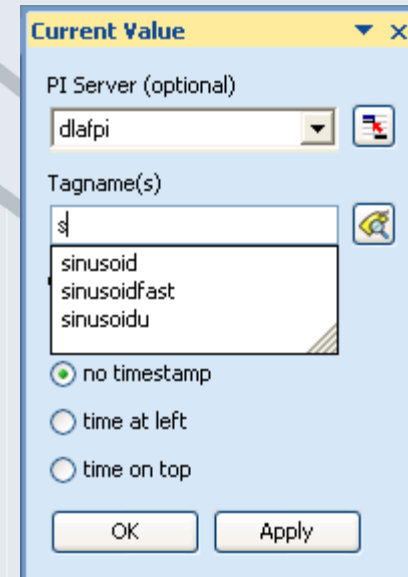
# Auto-Update Demo

- Demo Time!



# Auto-Suggest

- All text fields have auto-suggest
- Typing in tags and timestamps easier



Current Value

PI Server (optional)  
dla\api

Tagname(s)  
s  
sinusoid  
sinusoidfast  
sinusoidu

☒ no timestamp  
☐ time at left  
☐ time on top

OK Apply

# Auto Re-initialization

- Customer feedback
  - Good feature when editing spreadsheet
  - Hinders users when browsing spreadsheet
- Solution:
  - Make it user configurable to disable feature
  - If disabled, behavior reverts back to DL 3.x where only way to reinitialize is with right-click menu

# Tag Search

- 45K tags pasted into spreadsheet
- No change to Office 2003 addin – 11 secs
- Office 2007
  - DataLink 4.0.3 – 120 secs
  - DataLink 4.1 – 10 secs

# Release for DataLink 4.1

- Nice but when can I get it!
- Beta is downloadable right NOW!
- Release should be ready by May

# Beyond DataLink 4.1

- Windows Integrated Security support
- AF support
- Internationalization
- 64-bit version of DLES
- Drop support of Office 2000
- Scheduled to release in 2010

# Questions

- Value NOW!
- DataLink 4.1 Beta ready to download now at [techsupport.osisoft.com](http://techsupport.osisoft.com)
- Please send us feedback to [betadatalink@osisoft.com](mailto:betadatalink@osisoft.com)