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Microsoft TechNet

Michell Cronberg
<http://blog.cronberg.dk>

Fra VBA til VSTO

AGENDA

VSTO Intro

Muligheder
med VSTO

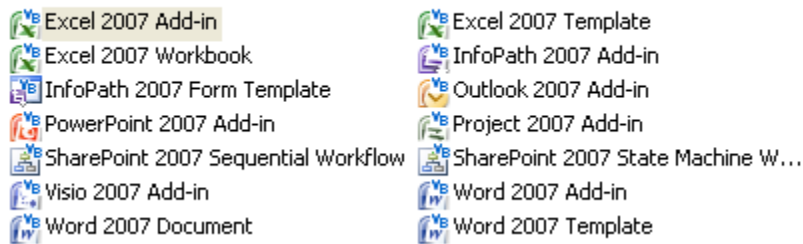
VSTO
deployment

Kom i gang
med VSTO

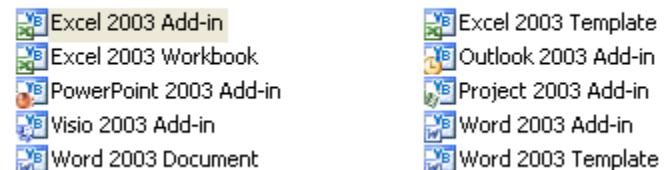
Hvad er VSTO

- Udvidelse/tilretning af Office
- Integrering af backend systemer i Office
 - OBA (Office Business Applications)
- VSTO giver mulighed for at skabe forskellige typer løsninger i Office

Visual Studio installed templates



Visual Studio installed templates



Hvad er VSTO

- VSTO Runtime
 - Assemblies der letter udviklingen af .NET løsninger til Office
 - Solution loader
 - AddIn funktionalitet
 - UI features (kontroller på panes, Ribbon XML wrapper)
 - VS templates og designere
- Primary Interop Assemblies (PIA)
 - Binder .NET sammen med Office (via COM)
 - COM relaterede type specifikationer
 - Strong named / GAC distribueret

Roadmap

- VSTO ver 1.0 - 2005 (VS 2005)
 - Office 11 (2003)
- VSTO ver 2.0 - 2005 SE (VS 2005)
 - Office 12 (2007) og Office 11 (2003)
- VSTO ver 3.0 (VS 2008)
 - Office 12 (2007) og Office 11 (2003)
 - Service pack 1
- På vej
 - VSTO ver 4.0 (VS 2010) – forventet efterår 2009
 - Office 14 – forventet 2010

Værktøjer

- VSTO er komplet integreret i VS 2008 Pro (SP1)
 - Doc level designer
 - Ribbon designer
- VSTO Power Tools (1.0)
 - <http://kortlink.dk/6e2h>
 - Ribbon ID Tool Window
 - Office Interop API Extensions
 - Office Custom UI Manager (MDI/SDI problem)
 - VSTO Developer Cleaner
- Custom UI Editor Tool
 - <http://kortlink.dk/6e2f>

Doc / App level

DOC LEVEL

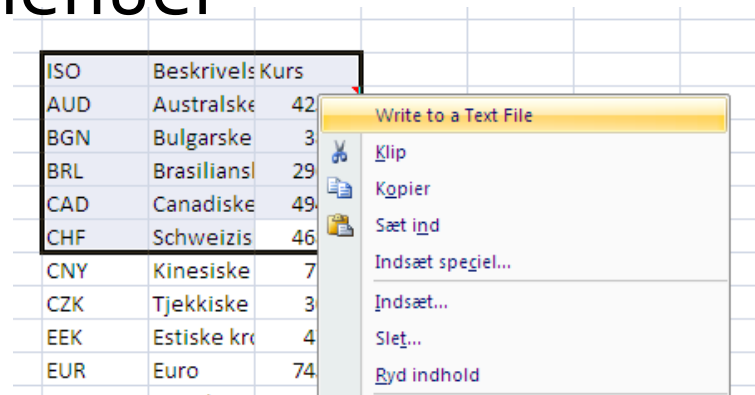
- Løsninger som er relateret til et dokument eller en skabelon
 - Excel 2003
 - Excel 2007
 - Word 2003
 - Word 2007
 - InfoPath (Form Template)

APP LEVEL

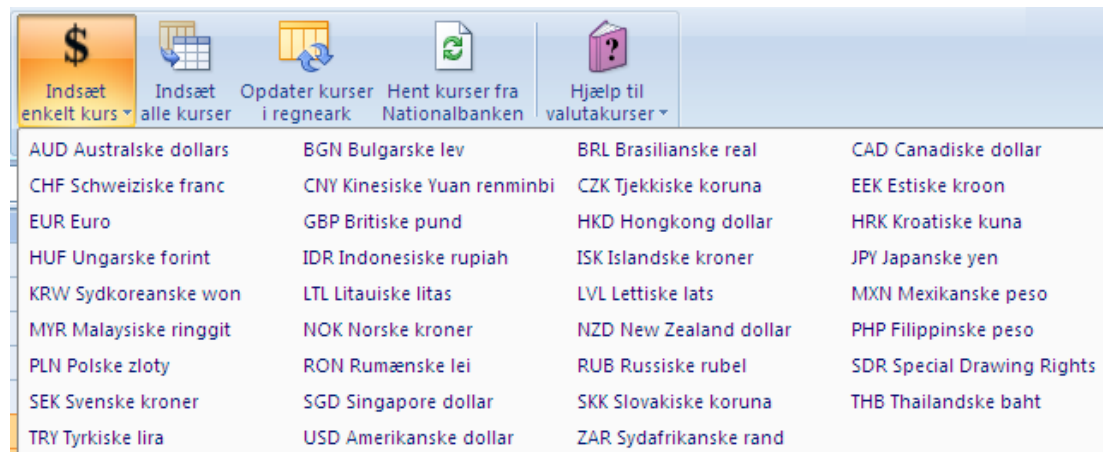
- Løsninger som er relateret til hele applikationen (ADD-IN)
 - Excel 2003 og 2007
 - Word 2003 og 2007
 - PowerPoint 2003 og 2007
 - Outlook 2003 og 2007
 - Project 2003 og 2007
 - Visio 2003 og 2007
 - InfoPath 2007

Mulige brugerflader

- Brugersflade i context menuer

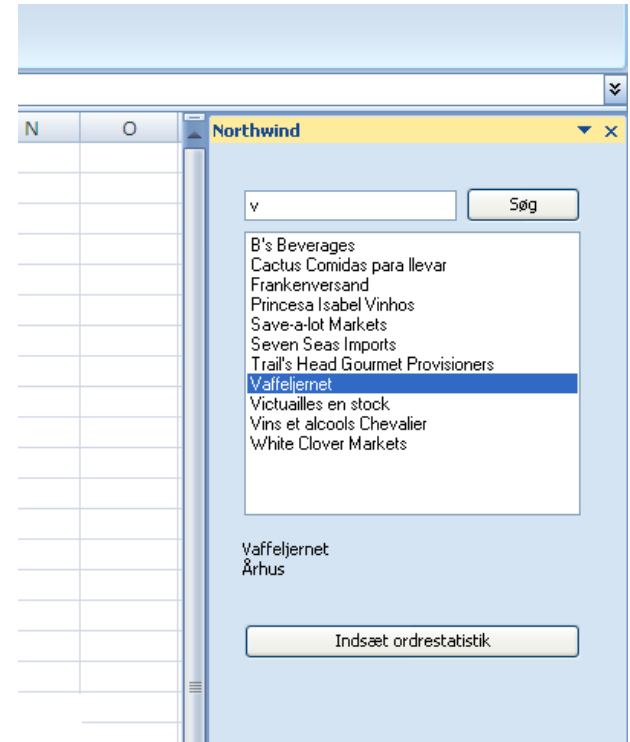


- Brugersflade i Ribbon



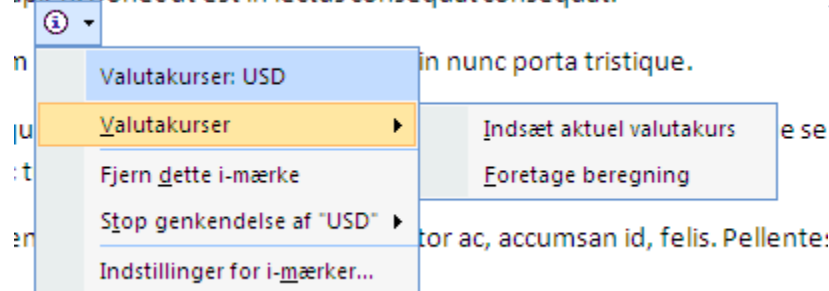
Mulige brugerflader

- Brugersflade i Action Pane eller Custom Task Pane
- Brugersflade gennem SmartTag (iMærker)



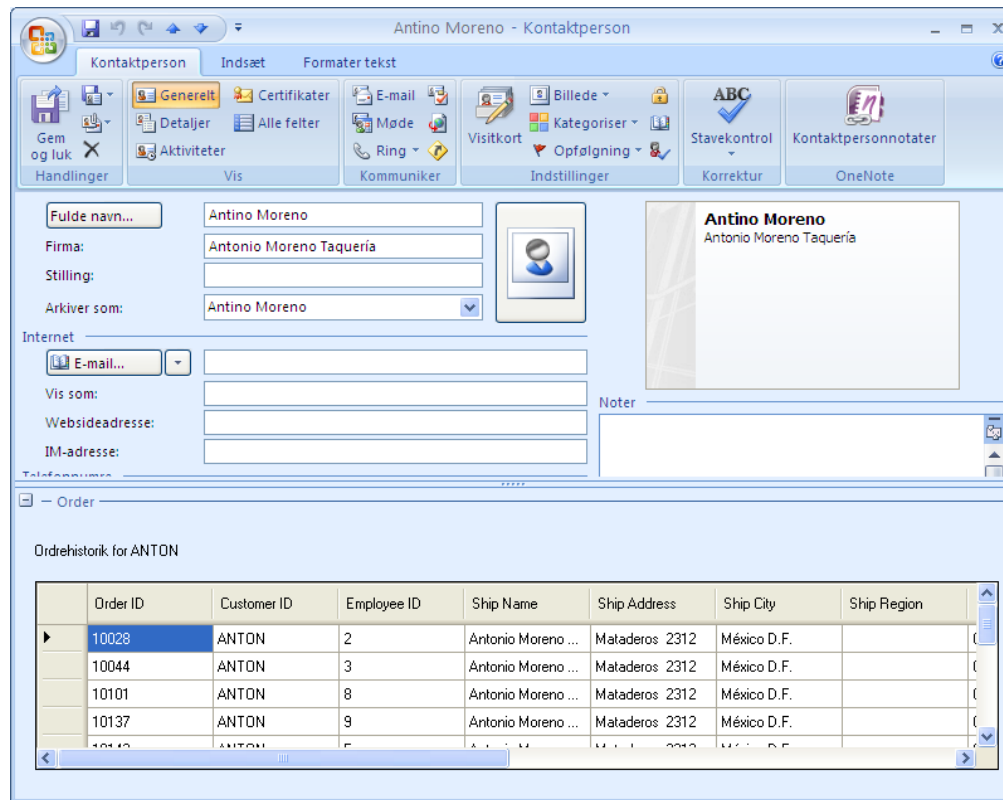
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Mulige brugerflader

- Outlook Form Regions



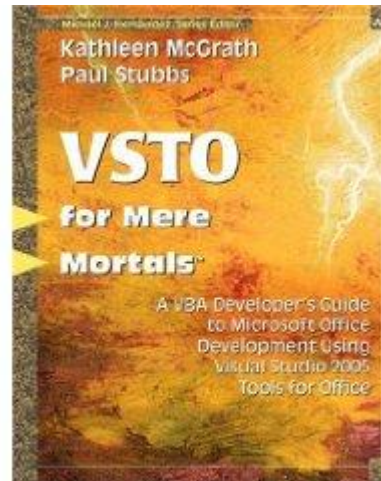
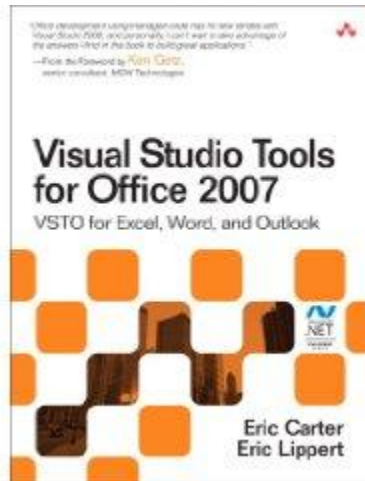
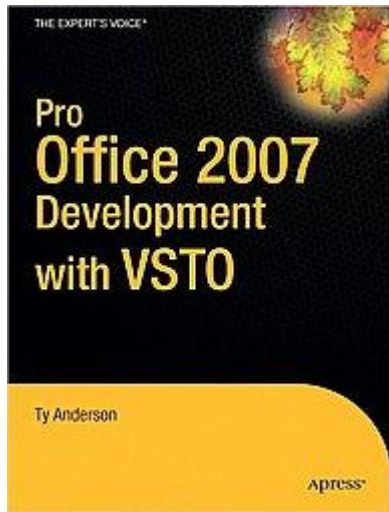
Andre muligheder (ikke VSTO)

- Open XML
 - Læs, skriv eller opdater (databind) Word, Excel eller Powerpoint dokumenter
- Automatisering
 - Benyt PIA til at automatisere Office applikationer "udefra". Absolut ikke velegnet i en server applikation
- Excel UDF
 - User Defined Functions i Excel er MEGET brugbare

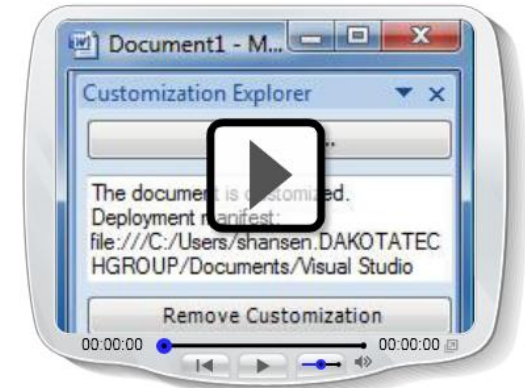
Deployment

- I teorien mange forskellige muligheder for deployment – i praksis
 - ClickOnce (publish)
 - Simpel deployment med prerequisites
 - Simpel versionsstyring og opdater funktion
 - Simpel sikkerhedshåndtering
 - Offline tilgang (ClickOnce cache)
 - MSI (Microsoft Installer)
 - VS 2008 projekt
 - Mulighed for SMS (eller lign.) push
 - Udvidede muligheder gennem custom activities

Kom i gang med VSTO



How Do I: Attach or Detach a VSTO Assembly from a Word Doc



<http://kortlink.dk/6e2k>

Understanding the Word Object Model from a Visual Studio 2005 Developer's Perspective

Ken Getz, [MCW Technologies, LLC](#)

December 2005

Applies to: Microsoft Visual Studio 2005 Tools for the Microsoft Office System, Microsoft Office Word 2003

Summary: Learn how you can use objects provided by Microsoft Office Word 2003 to create managed code solutions with Microsoft Visual Studio 2005 Tools for the Microsoft Office System. Code to work with Word 2003 applications and documents, and with important properties and pages)

<http://kortlink.dk/6e2n>

<http://blog.cronberg.dk>

Understanding the Excel Object Model from a Visual Studio 2005 Developer's Perspective

Ken Getz, [MCW Technologies, LLC](#)

December 2005

Applies to: Microsoft Visual Studio 2005 Tools for the Microsoft Office System, Microsoft Office Excel 2003

Summary: Learn how you can use the **Application**, **Workbook**, **Worksheet**, and **Range** objects in Microsoft Office Excel 2003 to create managed code solutions with Microsoft Visual Studio 2005 Tools for the Microsoft Office System. Microsoft Visual Basic and Microsoft Visual C# examples demonstrate properties, methods, and events of each object. (91 printed pages)

<http://kortlink.dk/6e2p>

Kursus i VSTO 3.0 (SP1) med Michell Cronberg - <http://vstokursus.cronberg.dk>