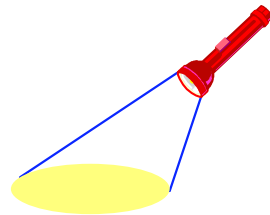


**Lotusphere 2005**

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# **Richtext naar HTML conversie**

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# Lotusphere 2005 (1/2)

- IBM Workplace
  - Collaboration Services 2.5
    - ▶ Browser Messaging
    - ▶ Team Collaboration
    - ▶ Collaborative Learning
  - Rich Client
    - ▶ Messaging en Document Enhancements
    - ▶ Project Planner Tool
    - ▶ Data Access Tool
    - ▶ Activity Explorer
    - ▶ Notes Application Plug-in

# Lotusphere 2005 (2/2)


- Services Express 2.5
- Domino 7
  - DB2
  - Web Services
- Richtext naar HTML conversie

IBM WebSphere Portal - Microsoft Internet Explorer

Bestand Bewerken Beeld Favorieten Extra Help

Vorige Zoeken Favorieten Media


Adres [http://localhost:9081/wps/portal/lut/p/\\_s.7\\_0\\_A/7\\_0\\_3MT/.cmd/ad/.ar/sa.ND510%20-%20Developing%20](http://localhost:9081/wps/portal/lut/p/_s.7_0_A/7_0_3MT/.cmd/ad/.ar/sa.ND510%20-%20Developing%20) Ga naar Koppelingen >>



[IBM WebSphere](#)  
[Lotus Domino 6](#)  
[Lotus Workplace](#)  
[Lotus Collaborative Solutions](#)

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Lotus Domino 6 Catalogus



**Lotus Domino 6 Cursussen**

- ▶ [A150 - Opmaak van webpagina's voor Lotus Notes eindgebruikers](#)
- ▶ [ND010 - The Power of IBM Lotus Notes/Domino 6](#)
- ▶ [ND110 - Exploring New Features of IBM Lotus Notes 6 for R5 Users](#)
- ▶ [ND150 - Moving to IBM Lotus Notes 6](#)
- ▶ [ND210 - Maximizing Your Productivity with IBM Lotus Notes 6 for Power Users](#)
- ▶ [ND220 - Maximizing Your Productivity with IBM Lotus Notes 6 for Administrative Assistants](#)
- ▶ [ND220 - Maximizing Your Productivity with IBM Lotus Notes 6 for Administrative Assistants](#)

### Foundation Skills

▶ di 12-apr	wo 13-apr	do 14-apr	vr 15-apr	€ 1.580	<a href="#">Inschrijven</a>
▶ di 10-mei	wo 11-mei	do 12-mei	vr 13-mei	€ 1.580	<a href="#">Inschrijven</a>
▶ di 14-jun	wo 15-jun	do 16-jun	vr 17-jun	€ 1.580	<a href="#">Inschrijven</a>

**Doelgroep:**  
Application developers new the the IBM Lotus Domino environment.

**Korte omschrijving:**  
This course is a hands-on introduction to the basic skills of working in the IBM Lotus Domino Designer 6 development environment. Through instructor lecture and student-centered activities and exercises, students learn the foundation skills required to use Domino 6 Designer design elements to create Domino 6 applications. By the end of the course, students should be able to design, develop, and deploy a single-database IBM Lotus Domino 6 application

**Deelname-voorwaarde(n):**  
*The prerequisites for this course include:*

- Experience using the IBM Lotus Notes client to access applications and/or experience using a Web browser to access applications
- Recommendation: Experience developing one or more applications using other application development tools.

**Duur:**

Lokaal intranet

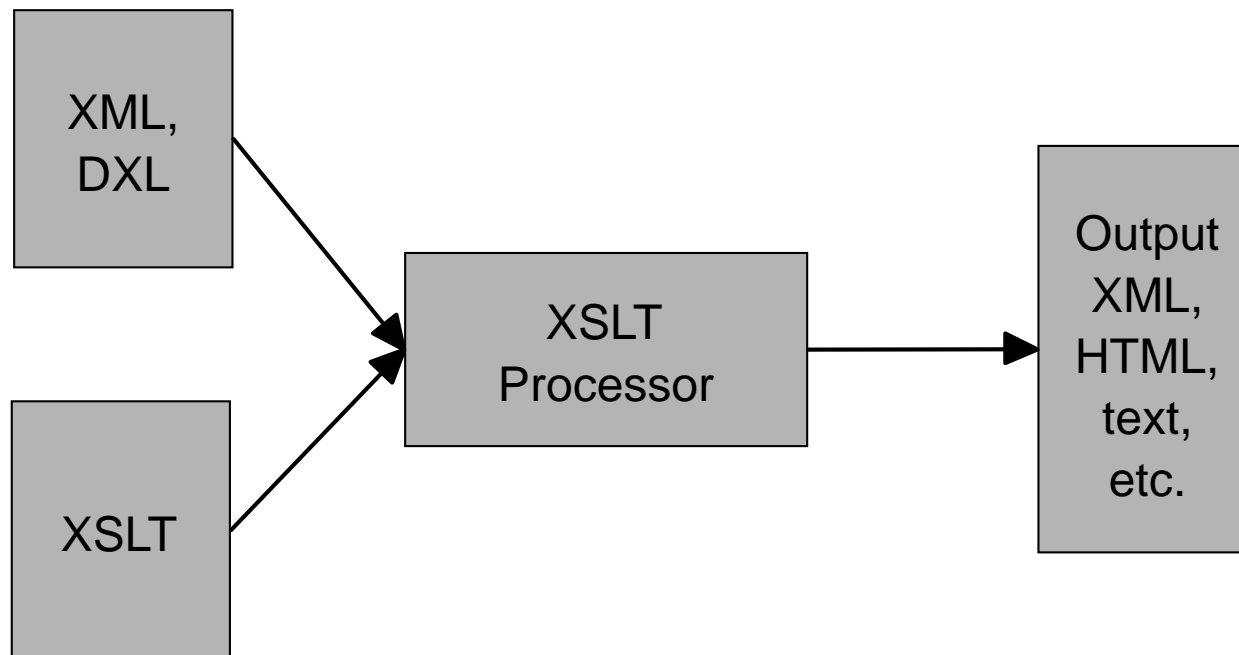
# Lotusphere 2005: AD207

- Dick Annicchiarco
  - Software Engineer Notes/Domino Programmability
- AD207: Powerful and Flexible Access to Domino Data Using DXL
  - AD207.zip
  - downloaden: zie referenties (laatste sheet)

# XSLT Terminologie

- XML = eXtensible Markup Language
- DXL = Notes/Domino XML representatie van design notes en documenten
  - LS: NotesDXLExporter class
  - Java: DxlExporter class
- XSLT = Extensible Stylesheet Language Transformations
  - XSLT-file
  - LS: NotesXSLTransformer class
  - Java: JAPX 1.1 (J2EE)

# XSLT



# XML-file

```
<?xml version='1.0' encoding='utf-8'?>
<attendees>
  <attendee>
    <firstname>Jan</firstname>
    <lastname>Klaasen</lastname>
    <email>jklaasen@poppekast.nl</email>
  </attendee>
  <attendee>
    <firstname>Katrijn</firstname>
    <lastname></lastname>
    <email>katrijn@poppekast.nl</email>
  </attendee>
</attendees>
```

# XSLT-file (1/2)

```

<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
<xsl:output method="html"/>
  <!-- match on document root -->
  <xsl:template match="/">
    <html>
      <head>
        <title>Example</title>
        <style type="text/html">h1 {color: #6666CC}</style>
      </head>
      <body>
        <h1>Overzicht deelnemers</h1>
        <table>
          <xsl:apply-templates select="attendees/attendee"/>
        </table>
      </body>
    </html>
  </xsl:template>
  
```

# XSLT-file (2/2)

```

<!-- match on <attendees> element -->
<xsl:template match="attendee">
  <tr>
    <td>
      <xsl:value-of select="firstname"/>
      <xsl:text> </xsl:text>
      <xsl:value-of select="lastname"/>
    </td>
    <td>
      <xsl:value-of select="email"/>
    </td>
  </tr>
</xsl:template>
</xsl:stylesheet>
  
```

# Output

```
<html>
<head>
<META http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Example</title>
<style type="text/css">h1 {color: #6666CC}</style>
</head>
<body>
<h1>Overzicht deelnemers</h1>
<table>
<tr>
<th>Naam</th><th>e-Mail</th>
</tr>
<tr>
<td>Jan Klaasen</td><td>jklaasen@poppekast.nl</td>
</tr>
<tr>
<td>Katrijn </td><td>katrijn@poppekast.nl</td>
</tr>
</table>
</body>
</html>
```

# Demo

---

- Besproken voorbeeld
- Servlet (JAPX 1.1 / J2EE)

# Richtext naar HTML

- In twee stappen
- Form naar XSLT -formaat transformeren:
  - eerst naar DLX
  - met Form2xslt.xslt transformeren naar document<formname>2Html.xslt
  - bevat opmaak
  - eenmalig
- Document naar HTML transformeren
  - eerst naar DXL
  - met document<formname>2Html.xslt naar HTML transformeren

# Demo

---

- DXLtoHTMLDemo.nsf
- LotusScript

# Java code in een servlet

```
Document doc = notesDb.getDocumentByUNID(unid);

DxlExporter exporter = notesSession.createDxlExporter();
Source xmlSource =
    new StreamSource(new StringReader(exporter.exportDxl(doc)));
Source xsltSource =
    new StreamSource("c:\\xmldemo\\documentRichtext Example2Html.xslt");

PrintWriter out = resp.getWriter();
Result result = new StreamResult(out);

TransformerFactory transFact = TransformerFactory.newInstance();
Transformer trans = transFact.newTransformer(xsltSource);
trans.transform(xmlSource, result);
```

# Demo

- Servlet
- Domino IIOP connection
- DxlExporter (Notes/Domino backend class)
- JAPX 1.1
- geen JSP

# Referenties

- [www.notes.net](http://www.notes.net)
  - sandbox: lotusphere 2005
  - 40 presentaties
  - AD207
  - downloaden AD207.zip en uitpakken
    - ▶ in c:\xmldemo
    - ▶ DXLtoHTMLDemo.nsf in data directory
- O'Reilly: Java and XSLT