


XPages Technical Enablement

Agenda

Produced by Intec Systems Limited



 Intec House, St Nicholas Close. Fleet, Hampshire. GU51 4JA	<i>Doc. Ref: INS 044 XPages Technical Enablement</i>	<i>Ver. Number 3.0</i>
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	<i>Author: Paul Withers</i> <i>Approver: Duncan Cooper</i>	<i>Page 1 of 4</i>
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1 Introduction to XPages

- History
- What is XPages?
- Context of XPages within Domino HTTP server
- Introduction to Domino Designer within context of Eclipse

2 Creating an XPage

- Enabling the default error page
- Static content
- Custom Controls and XPages
- Custom Properties
- Design Definitions
- Controlling Visibility
- AJAX made easy
- Simple Actions

3 Data on an XPage

- Introduction to Domino application architecture
- Creating a simple form
- Basic validation
- Action buttons
- Creating a View


4 Styling and Layout

- Creating a layout container
- Adding stylesheets and images
- Adding styling to elements
- Themes
- Editable Areas for reusability
- Linking Pages

End of Day 1

5 Multiple Data Sources

- Adding multiple datasources to the same XPage
- Different implementations
- Managing editability
- Using Repeat Controls to display data
- “Joins” in Domino views

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6 XPages Extension Library

- History
- Installing
- Troubleshooting
- The Extension Library Demo Database
- Application Layout control – quickly deploying a OneUI look and feel
- Navigator
- Data Views
- Form Table
- <End of day 2>
- Dialogs
- Pickers
- Dojo Form Controls
- Responsive Controls
- Miscellaneous

7 Troubleshooting XPages

- Review of server processing and XPages lifecycle
- Log files on server
- Reading Stack Traces
- Creating an Error Page
- XPages Log Reader
- XPages Debug Toolbar
- XPages OpenLog Logger
 - Installing Extension Libraries
- XPages Toolbox
- Server-Side JavaScript Debugger Overview


8 Mobilizing the Application

- Extension Library Mobile Controls
- Redirect Control
- Extension Library Bootstrap Responsive design
- Displaying content on a mobile browser
- Overview of third-party controls for offline capabilities

End of day 3

9 Extended Datasources in XPages

- Data Contexts
- Java Managed Beans
- Data Objects
- RDBMS data in XPages

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10 Performance Optimisation

- Understanding Languages
- Compute on Page Load vs Compute Dynamically
- Themes
- Adding a Phase Listener
- view.isRenderingPhase()
- Partial Execution Mode
- Read Only and Disabled Settings
- Understanding Dynamic Content and Switch Controls
- Xsp Properties – Persistence Settings

11 OpenNTF Essentials


- Review of Projects Already Covered
- OpenNTF Domino API
- XPT
- POI4XPages
 - Using Apache POI to export dynamic content to Excel
- Demonstration Application for XPages

12 Bluemix & Beyond

- Bluemix overview
- Bluemix application structure
- ToDo demo application
- Deployment
- JavaScript Frameworks
 - Back-End Logic Options
- Java Framework – Vaadin

The agenda is a four-day course.

Two-day course runs up to and including the first three bullet points of 7 – Extension Library. Other parts of the Extension Library may be covered at a high level, time permitting.

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