

## Course 210 : BIRT

<p><b>Duration : 3 days</b></p> <p><b>Prerequisites :</b></p> <ul style="list-style-type: none"> <li>• Database and SQL</li> <li>• XML</li> </ul>	<p><b>Who Should Attend :</b></p> <ul style="list-style-type: none"> <li>• Developer</li> <li>• Project Leader</li> <li>• Domain Specialist</li> </ul>
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### Description :

BIRT is a reporting tool based on the Eclipse open source project. It allows to produce reports from various data sources (JDBC, XML, etc.). During this course, students will learn to create reports and use Birt advances features.

<p><b>You Will Learn How To :</b></p> <ul style="list-style-type: none"> <li>• Use Birt with Alfresco, Liferay and BxDS</li> <li>• Configure data sources</li> <li>• Use BIRT elements</li> <li>• Create reports</li> <li>• Integrate graphics</li> </ul>	<p><b>Hands-On Training :</b></p> <ul style="list-style-type: none"> <li>• Creation of a contact directory</li> <li>• Database connexion configuration</li> <li>• Data source definition</li> <li>• Report design with graphics</li> <li>• Report styling</li> </ul>
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<p><b>INTRODUCTION</b></p> <ul style="list-style-type: none"> <li>– Presentation <ul style="list-style-type: none"> <li>• Reporting</li> <li>• What is BIRT?</li> <li>• BIRT features overview</li> </ul> </li> <li>– BIRT installation</li> </ul> <p><b>BIRT UI</b></p> <ul style="list-style-type: none"> <li>• La palette</li> <li>• Data explorer</li> <li>• Library explorer</li> <li>• Navigator view</li> <li>• Outline view</li> <li>• Properties view</li> <li>• Main view</li> </ul> <p><b>DATA SOURCES</b></p> <ul style="list-style-type: none"> <li>– What is a data source? <ul style="list-style-type: none"> <li>• Data source definition</li> <li>• Data sources types</li> </ul> </li> <li>– Create a data source</li> <li>– Working with a JDBC connection</li> </ul>	<ul style="list-style-type: none"> <li>• Configure the connection</li> <li>• Add JDBC drivers</li> <li>• Test the connection</li> <li>• Define test data</li> <li>– Working with an XML file <ul style="list-style-type: none"> <li>• Configure the connection</li> <li>• Test connection</li> <li>• Define test data</li> </ul> </li> </ul> <p><b>REPORT DESIGN</b></p> <ul style="list-style-type: none"> <li>– Design a new report</li> <li>– Insert static elements <ul style="list-style-type: none"> <li>• Labels</li> <li>• Text</li> <li>• Grids</li> </ul> </li> <li>– Insert dynamic elements <ul style="list-style-type: none"> <li>• Dynamic texts</li> <li>• Data</li> <li>• Images</li> </ul> </li> <li>– Insert data containers <ul style="list-style-type: none"> <li>• Lists</li> <li>• Tables</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>– View a report <ul style="list-style-type: none"> <li>• Execute a report</li> <li>• Generate a PDF file</li> <li>• Generate an HTML file</li> </ul> </li> </ul> <p><b>ADVANCES FEATURES</b></p> <ul style="list-style-type: none"> <li>– Graphics <ul style="list-style-type: none"> <li>• Create a graphic</li> <li>• Configure data</li> <li>• Edit properties</li> </ul> </li> <li>– Subreports <ul style="list-style-type: none"> <li>• Create subreports</li> <li>• Link subreports with report</li> </ul> </li> <li>– Styles <ul style="list-style-type: none"> <li>• Create a style</li> <li>• Import a style</li> <li>• Apply a style</li> <li>• Update and delete a style</li> </ul> </li> <li>– Filter datas <ul style="list-style-type: none"> <li>• in data sources</li> <li>• in test data</li> <li>• in reports</li> </ul> </li> </ul>
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