

# Lyria/W4 Group

[www.lyria.com](http://www.lyria.com)

Lyria – a brand of W4 Group – is the company behind Leonardi and the Leonardi Studio IDE tool. Leonardi provides tools for creating and tuning your business model and generates on the fly, at execution time, the GUI for managing this data. In Release 4.4, the model-driven framework for business applications comes with new features that improve integration capabilities, enhance the user experience and boost ROI. Available as an open-source project with complete support for Java5+, Leonardi is distributed under the GPL license.

Release 4.4 of Leonardi includes:

- A coupling with the BIRT reporting tool;
- The possibility of exposing the business model through Web services;
- An API that integrates new multimedia components (emails, SMS, RSS flows etc.);
- Graphical gadgets that increase user friendliness;
- Significant enhancements in the Struts GUI mode for deploying Web applications.

Leonardi Studio, the design tool, remains the easiest way of implementing these new features; it lets you design your model while playing simultaneously the associated GUI.

Comparative of available LEONARDI packages

	LEONARDI FREE GPL	LEONARDI AGILE	LEONARDI EVOLUTION	LEONARDI FACTORY	Development Environment				
<b>Licensing</b>					Studio	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Type of licence	GPL	Commercial	Commercial	Commercial	Studio Plugin for Eclipse	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reselling	GPL	NA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Metadata (DBMS Discovery)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Connectors	Free Connectors	1 Proprietary connector	1 Proprietary connector	2 Proprietary connectors	Test Automation	-	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Required Mention "About..." / Lyria	<input checked="" type="checkbox"/>	NA	NA	NA	Sub-Project Inclusions	-	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Splashscreen	<input checked="" type="checkbox"/>	NA	NA	NA	Multi-Model	-	-	-	<input checked="" type="checkbox"/>
Functional Limitations	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	NA	Multi-Application (at runtime)	-	-	-	<input checked="" type="checkbox"/>
Guarantee based on Model Size (# classes / # fields)	NA	< 30 / 300	< 100 / 1000	NA	<b>Features</b>				
<b>Projects</b>					Forms: creation/read/update/deletion	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Types of Projects	Open Source Project	Rapid Development	Migration	Complex project	Standard Actions: Prints, Export/Import, compound actions, multiple sorts, filters, advanced filters, Searches...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cycle	-	RAD/XP	Iterative	Waterfall	Standard Graphical Components: Tables (simple, paginated, editables), trees, stats...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Avg. Duration	-	1-4 mo.	4-12 mo.	>12 mo.	API components (email, sms, flux RSS...)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Avg. # of classes and fields in the model	-	20/200	60/600	>100/1000	Advanced Actions: PDF generation (FO)...	-	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complexity	-	weak	average	high	Advanced Graphical Components: complex/hierarchic tables, cartography, synoptics, Gantt, treemaps...	-	-	-	<input checked="" type="checkbox"/>
Typical Architecture	-	2 tiers	2 or 3 tiers	Multi-tier	Model exposure as webservice	-	-	-	<input checked="" type="checkbox"/>
	Open Source technologies :				<b>Display Managers</b>				
Typical technologies integrated	Tomcat	1 Proprietary Connector	1 Proprietary Connector	UML, Comm. Bus, Advanced Graphical Components	SWING	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	JBoss				SWT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Hibernate				Web2 (STRUTS / DHTML / AJAX)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Struts				ECLIPSE RCP	-	-	-	<input checked="" type="checkbox"/>
	Spring				<b>Connectors</b>				
	MySQL				Free Connectors: MySQL, PostgreSQL, Access, InstantDB, XML, CSV, Java Beans	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
					Commercial Connectors: Oracle, SQL Server, Sybase, DB2/AS400, JMS	-	1	1	2
					Availability of EDI Connector	-	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
					BIRT (Business Intelligence Reporting Tool)	-	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
					Others	-	-	On Demand	On Demand

Information source from Lyria/W4 Group

(<http://marketplace.eclipse.org/content/leonardi-model-driven-framework-guis>, <http://www.lyria.com/mmi-comparative.htm> and <http://www.lyria.com/mmi-products.htm>) on 7/28/2010 and 10/20/2010.