



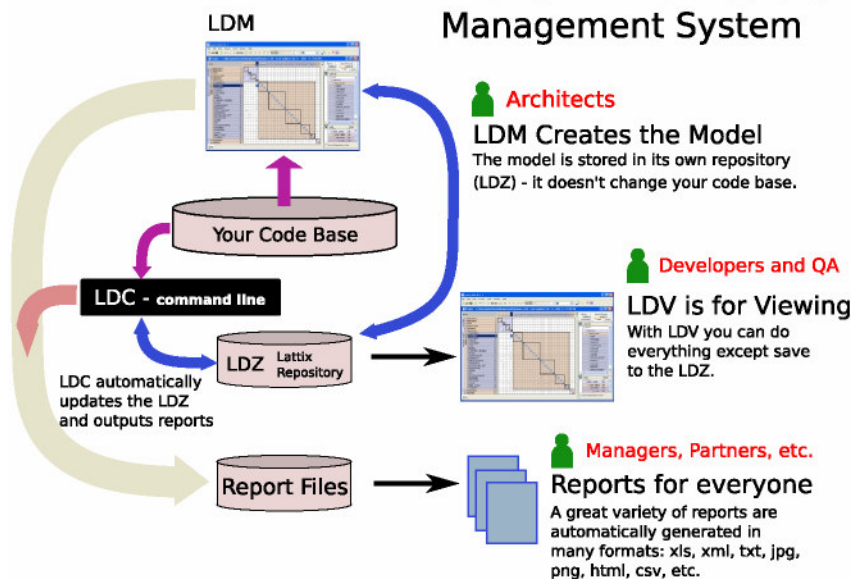
- Provide high level **Visibility** to extended team to accelerate development cycles
- Improve and maintain **Quality** by controlling the architecture and reducing defects
- Lower **Costs** through more effective development and faster refactoring
- Manage **Risks** by understanding the impact of proposed changes to the system
- Enhance **Testability** and improve the efficiency of the QA process

The Lattix Architecture Management System

Discover, analyze, define and control your architecture

The Lattix System enables you to create, communicate, and control the architecture of your software systems, including applications, databases, services, and configuration files. With Lattix, you can analyze your architecture in detail, edit the structure to create what-if and should-be architectures, and then create Design Rules to formalize and communicate that architecture to your entire development organization.

The Lattix Architecture Management System



Introducing the Lattix Approach

Based on the work at Massachusetts Institute of Technology (MIT) on complex systems, Lattix has pioneered a breakthrough technology that utilizes Dependency Structure Matrix (DSM) to formalize and automatically enforce the overall architecture of a software system. Powerful DSM algorithms in Lattix LDM enable you to analyze and specify structure, identify opportunities for refactoring, and perform impact analysis before making changes to the code.

Lattix LDM is available with modules for Java, C/C++, .NET, Ada, Oracle, Spring, Hibernate, and LDI. Lattix LDC also provides support for full web-based reporting of architectural metrics, violations, and incremental changes.

About Lattix

Lattix is the leader of software architecture management solutions that deliver higher software quality and lower risk throughout the application lifecycle. Hundreds of companies and universities around the world now use Lattix in their software engineering and research, including LG, Nokia, Raytheon, and Siemens. Visit **www.lattix.com** to learn more about the solutions available from Lattix.

Lattix LDM

Lattix LDM has a rich set of features which can be used by architects, developers, QA, and managers to visualize, test, and maintain the architecture of a complex system at any stage of its development lifecycle.

Lattix LDM is available in many solutions to fit your needs:

Ada	Lattix LDM for Ada enables you to analyze the architecture of any Ada 83 and 95 application in terms of the system elements and their interrelationships (directories, package spec files and package body files). Included with this solution is a module for loading dependency data from <i>Understand for Ada</i> .
C/C++	Lattix LDM for C/C++ enables you to analyze the architecture of any C/C++ application in terms of the system elements and their interrelationships (directories, source files, header files and idl files). Included with this solution are modules for loading dependency data from <i>Understand for C++</i> , Doxygen, and Microsoft BSC files.
Java	Lattix LDM for Java enables you to analyze the architecture of your Java application in terms of the elements and their interrelationships (jars, packages, classes, methods, etc.). Included with this solution are modules for Hibernate and Spring Framework, as well as IDE plugins for NetBeans and Eclipse.
.NET	Lattix LDM for .NET enables you to analyze the architecture of your .NET application in terms of the system elements and their interrelationships (exe, dlls, namespaces, classes, methods, etc.). Also available for this module are command line options which enable integration with VS2005.
Oracle	Lattix LDM for Oracle allows you to look at the architecture of your Oracle 9i or 10g database system in terms of database elements and their interrelationships (schemas, tables, stored procedures, triggers, types, etc)
LDI	LDI enables you to specify your own systems and configurations to create an end-to-end view of an enterprise system that includes business processes. LDI is an XML specification that allows users to load dependency information from different languages, configuration files and proprietary tools.

Integrated Approach to System Architecture

Most large software systems span multiple domains, such as applications, Web services and databases. Furthermore, many of the system interdependencies are specified in configuration files, such as Hibernate for mapping Java and .NET applications to the database. Only with **Lattix LDM** is it possible to construct dependency models that combine modules and take into account all such interdependencies to create a high-level view of the complete system.

Getting Started. Lattix offers a number of ways to learn and evaluate its solutions, including whitepapers, web-based demonstrations, no-cost evaluation licenses, free assessments, and quick-start pilot projects.

**Map architecture
to actual code**

**Identify problems
& bad
dependencies
instantly**

**Extract, specify
& enforce
component APIs**

**Refactor your
architecture**

**Reduce defects &
keep your design
clean!**



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Please contact Lattix today to discuss how you can achieve measurable results quickly with Lattix LDM.