

GeneXus: Quick Reference

Basics

GeneXus is the first intelligent tool for automatically creating, developing and maintaining multi-platform, mission critical applications that can be easily adapted to changes in the business and the new opportunities provided by technological evolution.

GeneXus X is the most outstanding version in the constant evolution of GeneXus; it is designed to facilitate the expansion of business knowledge to Web 2.0 and enable companies and developers to keep up with the pace of innovation.

- GeneXus is a powerful, multi-platform software design and development tool that enables truly incremental development of business critical applications.
- GeneXus generates 100% of the application based on your user requirements, providing programming-free, automatic maintenance of your application's database and application programs.
- GeneXus supports the leading execution platforms and languages, and the most popular DBMS.
- GeneXus X allows developers to declare more than ever before, so that they can focus on the business and expand their talent.
- GeneXus X was designed to boost developer productivity even further, GeneXus X is much easier to use and learn. GeneXus X incorporates new features such as a Wiki editor and multi-user environment, which facilitate the integration of the entire work team.

Key Features

Knowledge-based design

Intelligent data model design.

Platform independent design and prototyping.

Automatic Development

Automatic database and code generation.

Automatic generation and maintenance of application documentation.

Intelligent Maintenance

Automatic migration of data from old to new schema.

Multi-platform development and deployment

Automatic refactoring of database and code

.NET, JAVA, Client Server, iSeries (AS/400).

Usability

GeneXus X is intuitive to use and easy to learn because its development environment is more user-friendly and oriented to the developer's intentions and needs.

Supported Technologies

Platforms

Execution Platforms

JAVA, Microsoft .NET, Pocket PC

Operating Systems

IBM OS/400, LINUX, UNIX,
Windows NT/2000/2003 Servers,
Windows NT/2000/XP, and
Windows Mobile

Internet

JAVA, ASP.NET, Visual Basic
(ASP), HTML, WebServices

Database Management Systems

IBM DB2, Informix, Microsoft SQL
Server, MySQL, Oracle, PostgreSQL

Languages

JAVA, C#, COBOL, RPG, Visual Basic,
Visual FoxPro

Web Servers

Microsoft IIS, Apache, WebSphere, etc.

Multiple Architectures

Multi-tier architecture, Web-based,
Client/Server, Centralized (iSeries)

Business Intelligence and Workflow Tools

Reporting, Data Warehousing, and
Workflow solutions for all supported
servers.

Productivity

GeneXus X is aimed at coding less and declaring more. In addition, the ability to reuse generated code and the greater automation, usability and integration make application development simpler, more effective and productive

Web 2.0

GeneXus considerably reduces the complexity of building Web 2.0 applications, thus achieving higher quality products in less development time.

Key Benefits

Generate and deploy your applications on multiple platforms

- Generate your systems on multiple platforms.
- Migrate your systems to new technology platforms with minimum cost.
- Avoid migration traps.

Slash time-to-market

- Validate your requirements using fully functional prototypes in design time.
- Generate your database and application on the platform of your choice (.NET, JAVA, etc.).
- When your requirements change, GeneXus performs an automatic impact analysis and propagates the changes.

Enjoy minimum total cost of ownership with maximum flexibility

- Design and develop the systems that your need today.
- Rest assured that you will be able to add new features as your requirements evolve.

About Artech

Artech is the leading provider of knowledge-based software development tools.

More than 5,500 customers worldwide use the GeneXus Technologies to create and integrate mission-critical applications that adapt easily to relentless business change. The GeneXus Technologies enable our customers to use their unique know-how on the leading technology platforms.

Founded in 1988, Artech is based in Montevideo, Uruguay, with offices in the USA, Mexico, Brazil and Japan and a network of more than 30 distributors worldwide.

Extensibility

GeneXus X allows for more active participation of the community, due to the fact that third-party knowledge and developments can be integrated into the IDE and applications.

Integration

GeneXus X is designed to facilitate teamwork. It enables the creation of documentation in a more collaborative manner and the integration of each developer's knowledge. In addition, it allows for the coexistence of various development views.

Focus on your core competences

- Use your IT people to build systems that support your business.
- Don't waste money in training your staff in every new cool technology.

Leverage your existing IT infrastructure

- Integrate seamlessly with legacy systems.
- Bring in powerful business intelligence, reporting, and Web-based solutions.
- Unleash the power of GeneXus' Web Services and XML capabilities.