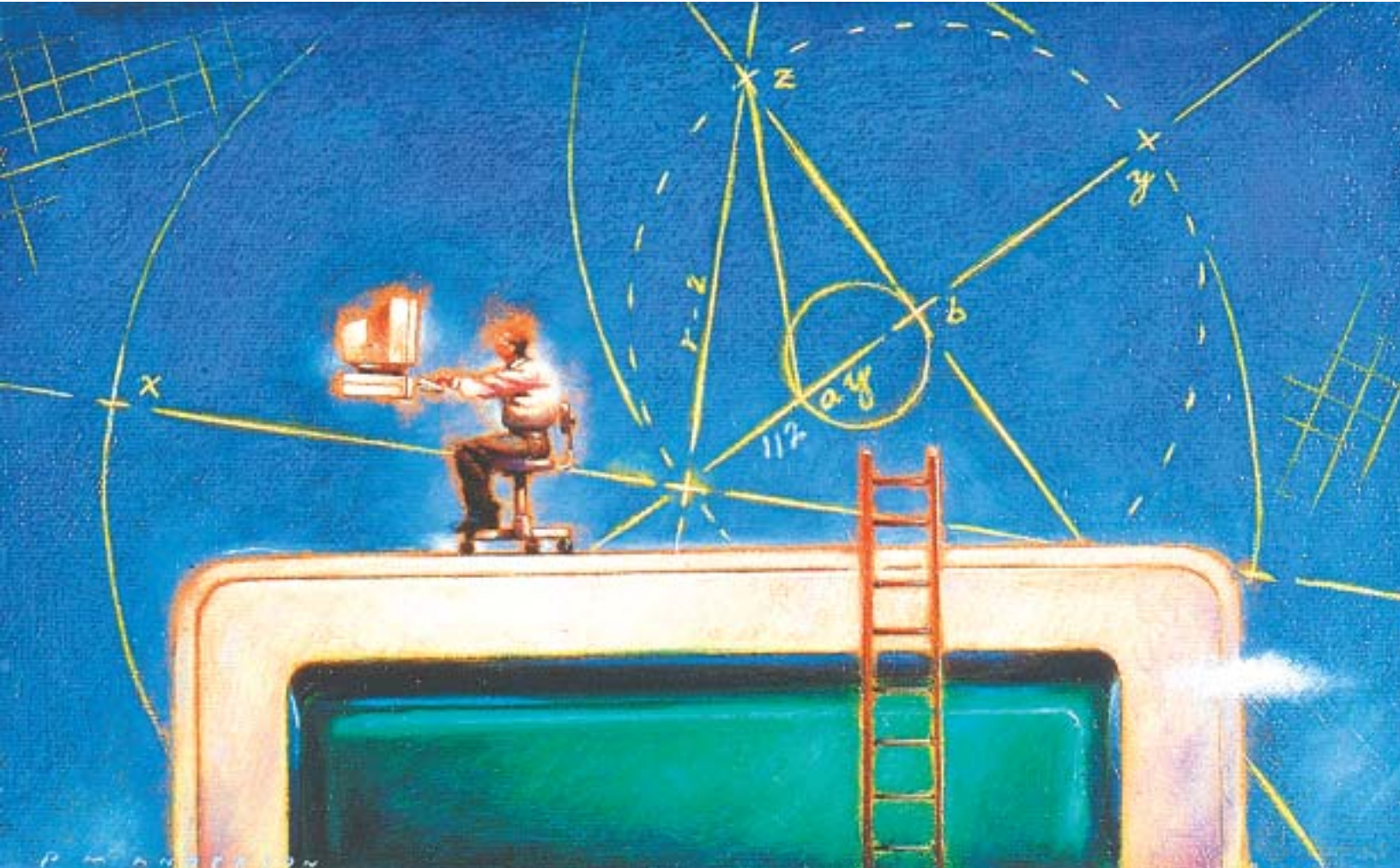


Features & Benefits



Caché Features & Benefits



Caché, the post-relational database from InterSystems, has the features professional developers need to quickly create Web and client/server applications. Caché benefits developers by giving them their choice of development tools, programming languages, and methods of data access. Caché benefits transaction processing applications by providing outstanding performance, massive scalability, real-time data analytics, and robust reliability.

All these capabilities are tied together in an easy-to-use rapid development environment. With Caché, you can make applications faster.



Caché Data Server Features

When it comes to transaction processing, performance is critical.

Caché's data server technology lets you scale applications up to serve tens of thousands of users without sacrificing speed.

Features:

Benefits:

Multidimensional Data Engine

All data is stored in sparse multidimensional arrays that eliminate the processing overhead related to the "joins" common to relational databases.

High performance. Massive scalability. Realistic modeling of complex data. Efficient data storage consumes less disk space, and requires less hardware.

Object Data Access

Data can be modeled as objects. Caché supports encapsulation, multiple inheritance, polymorphism, embedded objects, references, collections, relationships, BLOBs.

Rapid application development. Intuitive modeling of complex data.

SQL Data Access

Allows relational access to Caché database. Supports both ODBC and JDBC.

Boosts performance of legacy relational applications. Provides SQL connectivity to standard query, reporting and analysis tools.

Multidimensional Data Access

Provides direct control of the multidimensional structures in the Caché database.

High performance. Enables connectivity to legacy systems.

Unified Data Architecture

Object classes and relational tables are automatically generated from a single data definition.

Rapid development. Eliminates "impedance mismatch" between objects and tables.

Transactional Bit-Map Indexing

Caché's bit-map indexes can be updated extremely quickly, making them suitable for use with "live" data.

Fast response to complex queries. Quick updating enables real-time data analysis while maintaining high-performance transaction processing.

Performance Monitoring API

Connects to popular monitoring tools like BMC's Patrol and Fortel's Sightline.

Aids in application optimization. Provides a method of demonstrably meeting performance specification.



Caché Application Server Features

When it comes to rapid development and connectivity,
Caché's application server features give developers all the
flexibility and power they need.

Features:

Benefits:

Easy Class Projections

With just a few clicks, Caché classes can be projected as Java, COM, or C++ classes. Easy projection as EJBs is also supported.

Rapid development. Connectivity to other technologies and tools.

Enterprise Java Beans

Caché implements Bean-Managed Persistence without the needs to manually map between Java classes and relational tables.

Enables sharing of functionality within a Java framework. Rapid-development of bean-managed persistent EJBs. Better scalability and database performance for EJB applications.

Caché Scripting Languages

Two interoperable languages (Caché ObjectScript and Caché Basic) for method coding and business logic scripting. Both support simultaneous object, SQL, multidimensional data access.

Rapid application development. Flexible data modeling. Compatibility with object and Web technologies.

Caché Relational Gateway

Allows Caché to access data from relational databases.

Connectivity to data stored in relational databases.

COM Gateway

Allows Caché applications to use COM objects.

Enhanced flexibility for Caché applications. Better integration with Microsoft products.

Visual Caché

High performance link to the popular GUI development tool, Visual Basic.

Enables rapid GUI development.

Enterprise Cache Protocol

Reduces application-server-to-database-server network traffic by creating shared data caches on the middle tier of distributed architectures.

Dramatically increases the scalability and performance of thin-client systems.



Caché Web Features

When it comes to enabling the creation of sophisticated high-performance Web applications, Caché is in a class by itself. Caché Web technology brings all the capabilities of Caché to the demanding environment of the Internet, where rapid development and adaptability are as important as database speed and scalability.

Features:

Automatic XML Mapping

Caché can automatically generate XML documents and their corresponding DTD's or XML schemas from Caché classes.

Web Services Wizard

Allows any Caché method to be published as a Web Service. Caché automatically generates the WSDL descriptor and, when the service is invoked, responds with SOAP-formatted XML.

Caché Server Pages

Caché Server Pages reside and execute on the Caché data server, taking advantage of speedy intra-process communications. Connection to the Web server is made using fast standard APIs.

Caché Application Tags

Caché Application Tags execute functions on the Caché data server and/or the browser. They can be incorporated into Caché Server Pages using any text editor or off-the-shelf Web page creation tool. Caché Application Tags are extensible, so they can be custom-built to fit the needs of any Web application.

Hyper-Events

Hyper-events allow events occurring on a browser (mouse clicks, mouse movements, field value changes, timeouts, etc.) to invoke server-side operations and to update the current page without repainting it.

Caché Web Form Wizard

Automatically generates ready-to-run HTML forms from Caché Object classes.

Benefits:

Rapid development of XML-compatible applications. XML enables application-to-application data sharing.

Allows sharing of functionality over a network. Enables the integration of legacy applications.

High-speed Web access, compatible with all major Web servers. Boosts performance and scalability by offloading business logic processing to the powerful Caché data server. Centralized application logic enables fast and easy application changes.

Fast Web application development. Components are reusable, and developers can work with familiar tools. Promotes cooperative Web design - i.e.: Web page designers craft the screens through which users will navigate; application programmers code the tags that give the pages functionality.

Browser events can trigger database responses without waiting for a page to be submitted. Web applications are much more interactive and responsive.

Rapid Web development. Applications are instantly Web-enabled.

InterSystems Corporation

World Headquarters
One Memorial Drive
Cambridge, MA 02142
Tel: 1.617.621.0600
Fax: 1.617.494.1631

www.InterSystems.com

