

# **Caché Campus**

## **Teaching Objects for the Future**



## What makes Caché your perfect choice for teaching database technology?

Relational technology was the de facto standard for databases, and simple query language (SQL) will remain in use for many years to come. However, with the Web, object orientation is now the technology of choice for software development.

Java and other popular programming languages are widely adopted for their object orientation. They promote rapid development, using modularity, and provide a richer, more intuitive way to model the real world, which is continually getting more complex.

Universities introduced object technology into their courses, but were often unhappy with the technology offered by database manufacturers who in practice rarely delivered the full theoretical capabilities of objects. Pure object databases often suffer from poor performance, limited scalability and weak reporting facilities.

## So what do you use when you really want to incorporate object oriented computing into your curriculum?

The answer is Caché, the world-leading DBMS from InterSystems.

Using a Unified Data Architecture (UDA) Caché combines fully functional objects with SQL access using only one definition and one database engine. This enables simultaneous access to and modelling of data using objects and SQL.

The common way of object development with relational storage requires mapping, which leads to more effort and less performance. Caché with its UDA is designed to avoid this impedance mismatch.

By concurrently projecting data through a large variety of interfaces such as SOAP, XML, native Java, ActiveX and native C++ as well as ODBC and JDBC, Caché allows development of further components in almost any programming language.

Caché is the ideal basis for teaching both the database and programming courses based on object and relational concepts – without compromise. Its versatility enables you to use it for Web development, client server applications, and much more.

In addition, you can provide better support for your fellow colleagues in other disciplines, since by using Caché for their academic research they will be able to develop projects faster and further. Through InterSystems worldwide Campus Network, sharing successful research and building partnerships is made even easier.

For students, to acquire Caché skills is to gain significant career advantage. Having learned to work with real object technology is one benefit, accessing a growing market of InterSystems partners is just another of the many benefits to every graduate trained on Caché.

### InterSystems

Since 1978 InterSystems has focused on delivering leading database and rapid application technology with its partners to millions of users around the world. The versatility of Caché makes it applicable to a wide range of industry sectors such as finance, retail, telecommunications and government. With a 60% share of the worldwide healthcare market, InterSystems has proven its ability to deliver robust technology and 24x7 customer service for mission critical applications.

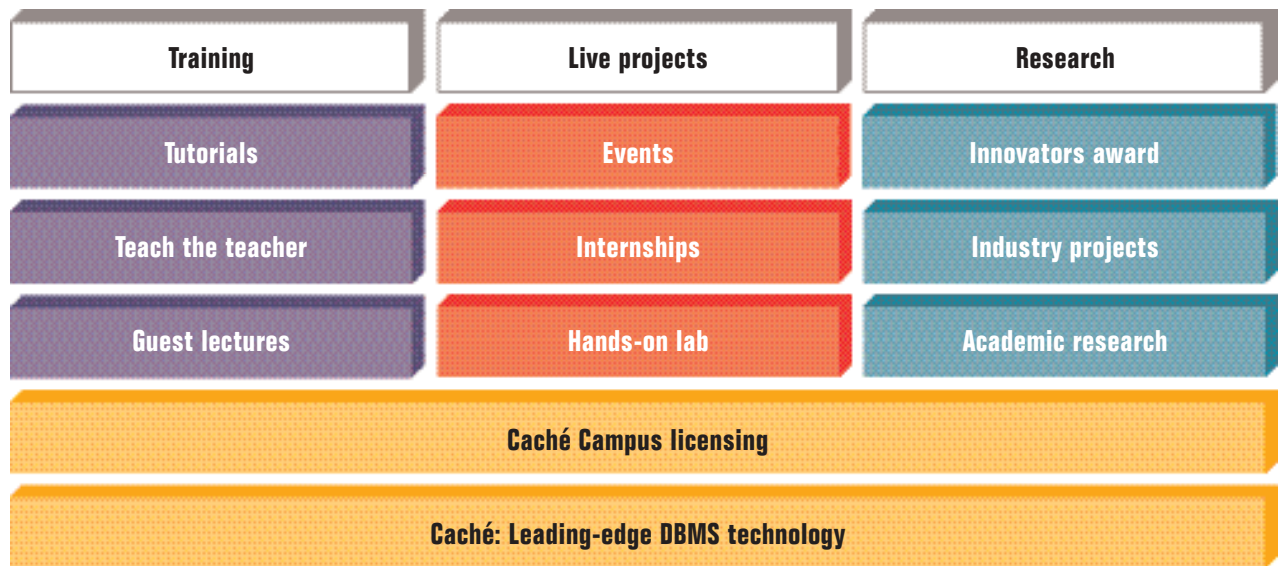
## Teaching Future Technology Today

InterSystems supports Universities and Schools of Higher Education to use Caché technology in education, research and development. The Caché Campus Program offers a range of teaching material, coursework, and licenses to participating educational institutions.

“Interested? Then join the worldwide Campus of leading institutions today and complete the form provided, or request further information online: [www.cachecampus.com](http://www.cachecampus.com)”



# The building blocks of InterSystems Caché Campus



**Tutorials:** InterSystems provides a range of tutorials on various subjects of database technology focusing on Caché or a general computing topic.

**Teach the teacher:** To assist Universities to acquire the necessary knowledge about Caché, InterSystems offers free training at various levels for tutors and research personnel.

**Guest lectures:** InterSystems offers a range of guest lectures at University sites, including theoretical and practical presentation of the Caché product.

**Events:** InterSystems includes participating institutions in upcoming events and is available to join Universities in theirs.

**Internships:** To put the acquired Caché knowledge to use, InterSystems introduces University students to Application Partners for internships, diploma work and job opportunities.

**Hands-on labs:** To get in touch with the real power of Caché technology, InterSystems supports Universities when setting up Tech Labs in the use of Caché hands-on training.

**Innovators award:** In association with International Data Corporation, the annual Caché Student Innovators Awards are given to the most inventive Caché applications.

**Industry projects:** InterSystems will assist the university in developing the right partnership for research projects, and promote their achievements.

**Academic research:** InterSystems can facilitate technology research providing on-site support and extensive free licensing of Caché.

**Caché Campus licensing:** As part of Caché Campus, InterSystems offers three licence types. Each are unique to Caché Campus and cannot be obtained for any other project or by any other institution.

1. Use of the **ACADEMIC** licence is restricted to the activities of education, teaching and research. Licences are free of charge and valid for a maximum of 12 months after which extension may be obtained.
2. The **UNIVERSITY** licence is to be used for the deploying of applications that are developed and run on the Campus of the same institution. UNIVERSITY licences are discounted by 75% off the standard price.
3. The **CAMPUS** licence is intended for the same use as the UNIVERSITY licence but obliges the institution to use named user licenses for all its members. CAMPUS licences are discounted by 90% off the standard price.

The Terms for Caché Campus licensing are to be found in InterSystems Educational License Agreement. For all other use of Caché licences at Universities, InterSystems standard terms and conditions apply.

**Caché: Leading DBMS technology:** A sophisticated fusion of object and relational technology that delivers rapid application development with a robust, scalable and very fast database server.

*This is Caché!*

See our website for further information: [www.intersystems.com](http://www.intersystems.com)



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