



OBJECTIVE INTERFACE SYSTEMS

Real-time, High-performance and Embedded Middleware Solutions

Company

Objective Interface Systems delivers the world's preeminent communications products. Based on open standards, our products are renowned for their exceptional quality, performance and support. We provide the fastest and smallest real-time middleware in the industry, a direct result of our rigorous design, development and quality assurance processes. Our world-class customer service is unsurpassed.

Our core value is a customer-centric approach to everything we do. Our job is not complete until our customers succeed. We are successful when your project is successful.

Why use Objective Interface Software?

Nobody uses standalone computers or systems anymore. If you are going to do anything of value, you will need to communicate—between processes, computers, networks or people. Communications are complex. Our products simplify your communications and dramatically reduce your project risks. Our middleware provides a portable communications infrastructure that solves the incompatibilities in data networks. It also enables developers to easily build communications into their systems by raising the level of abstraction. They thereby gain the ability to establish communications among diverse systems—without having to make modifications at the code level.

The benefit of our approach? Your experts can focus on high-value features, not infrastructure.

Customers

Our customers span a wide range of industries, including telecommunications, data communications, military and aerospace, robotics, medical electronics, transportation, consumer electronics, financial and process control industries. Our middleware enables high-speed connectivity between distributed applications in a wide range of environments: software-defined radios, vehicle control systems, sonar systems, radar image processing, air traffic control systems, command and control systems, missile defense systems, core networks, wireless base stations, nuclear fusion ignition control facilities, consumer set-top boxes and ultra-high security C4I. systems.

Customer Satisfaction

We provide free training and the first year of maintenance and support with every developer's license, so that we can ensure that our customers are well-trained and successful in the use of our products.

Product Excellence

The Objective Interface commitment to excellence is reflected in our products. They are crafted from inception to meet the most rigorous demands of real-time, high-performance and embedded systems. Careful design and development based on thoroughly articulated requirements results in very low latency, high-bandwidth middleware that delivers predictable performance and transparent integration. Our products occupy only a tiny footprint in our customers' applications. This makes Objective Interface middleware ideal for demanding applications that require the highest performance with the lowest possible overhead.

Our Product Portfolio

ORBexpress

Objective Interface has refined its ORBexpress™ product line into a robust and mature solution. Thousands of customers worldwide have used ORBexpress to build a better communications infrastructure in hundreds of products. ORBexpress is based on the Common Object Request Broker Architecture (CORBA) standard that enables applications in heterogeneous environments to communicate seamlessly. Recognized as the fastest ORB in the industry in an independent study conducted by Boeing's Phantomworks Group, ORBexpress provides critical real-time CORBA capabilities to support the world's most deterministic systems.

PCSexpress

Objective Interface is taking a leadership role in the design of communications protocols for security-critical applications in high-risk environments. Partnering with the National Security Agency, the U.S. Air Force Research Laboratory, Lockheed Martin, Rockwell Collins and others, Objective Interface has created PCSexpress™, the first communications middleware for Multiple Independent Levels of Security/Safety (MILS). Designed to provide a high level of assurance countering a wide range of security threats, the MILS architecture was created to resolve the difficulty and reduce the onerous cost of developing, certifying and maintaining high-assurance systems. Using a 'correct-by-design' methodology, our work on PCSexpress has spanned several years and is the result of our desire to anticipate our customers' future requirements for high-assurance COTS software.

Our Emerging Technologies

Publish-Subscribe Solutions

In 2006, Objective Interface will announce its implementation of the Data Distribution Service (DDS) standard. The company's DDS solution serves as the communications foundation for distributed systems for which information sharing is based on a data-

centric publish-subscribe model. Objective Interface's constant attention to both footprint and performance once again results in foundational middleware tailor-made for embedded applications, especially those with critical resource constraints or performance requirements.

Ecosystem

Support for Processors and Operating Systems

Objective Interface middleware works on a wide variety of processor architectures, real-time operating systems, desktop and server operating systems and compilers from all leading vendors. Supporting over 600 different binary platforms, Objective Interface is committed to giving our customers choices so that they can succeed.

Work with Standards Bodies

In addition to working with industry partners, Objective Interface has evolved a close collaboration with both The Object Management Group (OMG) and The Open Group. The OMG is a standards body specifying a common architecture for building distributed systems. Our work with The OMG encompasses the design of specifications for real-time and fault-tolerant CORBA and DDS standards as well as for new middleware standards. The Open Group is a vendor- and technology-neutral consortium which is working to enable access to integrated information within and between enterprises based on open standards and global interoperability. Our work with The Open Group is focused on content and protection profiles for the MILS architecture.

As a company that is 100% employee-owned, Objective Interface employees take ownership of product development and customer support as if we own the company—because we do. Free from the pressures of outside ownership, we focus on what we do best: making our customers happy. Founded in 1989, Objective Interface is debt-free and profitable. The company is based in Herndon, VA.