

## APIR® Systems

### APIR® chooses Borland® for Security, Scalability



#### FAST FACTS

##### Company

Headquartered in Kingston, Australia, APIR has been the financial services Industry's standard identification and coding agency for products since 1993 and, more recently, participants

##### Industry

Financial services

##### Geography

APAC

##### Challenges

- Gain the confidence of other financial institutions
- Enable rapid application deployment
- Ensure application scalability

##### Solution

- Borland JBuilder®
- Borland Enterprise Server, AppServer™ Edition
- Borland Together® Designer

##### Results

- Deployed an industry-accepted, scalable solution
- Reduced development costs
- Improved accuracy of business requirements modeling

#### APIR SYSTEMS

Headquartered in Kingston, Australia, APIR® has been the financial services industry's standard identification and coding agency for products since 1993 and, more recently, for participants. The agency registers all products and participants, and houses comprehensive directories accessed by research houses, Centrelink, platforms, ATO, advisers, dealers, and funds.

#### CHALLENGES

Financial services has always required high levels of security, rivaling—if not exceeding—those of the military. Few organizations are more aware of this requirement than APIR Systems. The company's innovative work in developing identification, coding, and security systems for the financial services industry has put it squarely in a world leadership position. To maintain its leadership, the agency sought a solution that would:

##### Gain the confidence of other financial institutions

The agency needed to be sure that its financial institution customers recognized that all of the technologies the agency used—from its development and deployment environments to its mission-critical hardware and database systems—were unquestionably of the highest caliber.

##### Enable rapid application deployment

The use of standard unique identification codes for products and participants is a fundamental infrastructure element for the enablement of automated processing and an area in which APIR excels. When the Australian financial services industry agrees on an identification standard, APIR plays a crucial role in creating, implementing, and maintaining the integrity of that standard. Therefore, the systems it develops must be accessible both interactively (Web Services) and in a machine-to-machine (batch processing) mode.

##### Ensure application scalability

With APIR's reputation growing locally and globally, demand for its services has grown in parallel. In 2004 alone, the Australian Stock Exchange appointed APIR as a sub-numbering agency for the allocation of International Securities Identification Numbers, and Bloomberg announced the use of APIR codes to identify Australian managed funds on its finance screens internationally. With an increasing customer base, the agency required a solution that would ensure application scalability.

#### SOLUTION

APIR deployed Borland® JBuilder® as its standard application development environment and Borland Enterprise Server as its application deployment environment based primarily on two key requirements—rapid application development (RAD) and application scalability.

For the people at the heart of APIR's success—its developers—the Borland JBuilder environment brings a unique set of benefits that are crucial in rapid application development. Key among those is the inclusion of a profiler, thread debugger, and code coverage that assist in the identification and resolution of performance issues.

“When we set out to recruit programmers, one of the most important skills we look for is experience with JBuilder,” says Marcus Jowsey, technical manager at APIR Systems Limited. “What I've found over the years is that virtually every Javaprogrammer we have interviewed actually has some degree of JBuilder experience, which demonstrates to me that it has incredibly high acceptance.”

## Software Delivery Optimization: The transformation of software development to an accelerated yet disciplined approach that aligns teams, technology, and process to maximize the business value of software.

The level of scaling that demands APIR has application servers and an infrastructure that has the reliability and scalability to match is why the agency chose Borland Enterprise Server, AppServer™ Edition. Underpinning APIR's application server scalability and reliability is the Application Server Partitioning runtime architecture exclusive to Borland Enterprise Server.

Jowsey also recognizes that high-level support is required by even the most highly proficient team. "We had a situation where existing Level 4 and Level 7 IP firewall filtering settings meant the difference between Borland Enterprise Server being able to connect to the firewall or not. It was that essential," he recalls. "As soon as we realized the potential impact of this problem, we contacted Borland technical support and had the problem fixed within a matter of minutes."

As the APIR development team moves toward periods of higher demand on its output capabilities, Jowsey is planning to further exploit the development team-related components of Borland software. In particular, Borland CaliberRM™ is expected to enhance APIR's already proven capability to develop crucial software on time and to specification. "I see CaliberRM as being a major aid for us to ensure the features our customers need are detailed thoroughly and even further improving our overall application lifecycle management," Jowsey says.

### RESULTS

The automated system built using Borland solutions is saving APIR time and money.

#### Deployed an industry-accepted, scalable solution

Jowsey says APIR has been relying on Borland support and application lifecycle management technologies for almost 4 years. "While we know these are the best technologies for our purposes, the proof really is in the fact that they're now critical component in the Australian financial services industry," he says.

#### Reduced development costs

For the development team, another inherent benefit in the Borland tools is the tight integration at all levels, from modeling to development, testing, and deployment. Borland Together® Designer contributes significantly to the reduction in development costs by giving the team the ability to create conceptual models that provide a common understanding of architectural design.

#### Improved accuracy of business requirements modeling

Because of the complex nature of the relationships within the information registers, APIR goes through an enormous amount of modeling before making an investment in coding. "By using Together Designer's UML [Unified Modeling Language], we're able to develop technical models based on nontechnical business relationships, essentially creating a model that depicts the business requirements precisely," concludes Jowsey.

Borland is the leading vendor of Open Application Lifecycle Management (ALM) solutions - open to customers' processes, tools and platforms - providing the flexibility to manage, measure and improve the software delivery process.