



Packeteer's AppCelera ICX

What Is Packeteer's AppCelera ICX?

AppCelera ICX is a web application accelerator deployed in front of web servers that speeds the performance of web-based applications, without requiring any changes to clients or servers. AppCelera ICX also speeds secure e-business applications by offloading and accelerating performance-impacting SSL transactions. Plainly put, AppCelera ICX makes web sites and web-based applications faster.

Target Customers

Target customers for AppCelera ICX have these characteristics:

- Business-critical web applications;
- A user base that includes slow-speed or dial-up users;
- Performance problems with their business-critical web applications.

The most common business-critical web applications are internal applications such as Siebel or SAP, which have a web front end for user access. Other applications include business to consumer applications, such as online banking, or extranet applications to partners or suppliers.

Customer Hot Buttons and AppCelera ICX Answers

Audience	Customer Hot Button	AppCelera ICX Answer
Application Managers	Application performance is key to productivity. Significant money was spent to implement the web-based applications, but the users are complaining about performance.	AppCelera ICX will accelerate the application by up to 500%, leading to happy, productive end users.
Network Managers	Heavy web usage equals strained WAN resources. New web-based applications are consuming precious WAN bandwidth.	AppCelera ICX's web content transformation and compression reduce bandwidth consumption and associated costs by as much as 85%.
IT Directors	Network efficiency is critical. IT directors are constantly pressured to cost-effectively and reliably deliver more applications to more users – without more staff.	AppCelera ICX's compression and caching reduce the load on WAN and server resources by up to 85%. They also dramatically reduce wait times.
Web Masters	Need to please everyone. Web masters want the freedom to create complex, sophisticated web sites without sacrificing response time and bandwidth.	AppCelera ICX optimizes content delivery based upon connection speed, removing the design constraints that burden web developers.

AppCelera ICX Features and Benefits

- Accelerates static, dynamic and secure web content.
- Reduces bandwidth utilization and offloads burdensome SSL processing from servers.
- Plug-n-play appliance that requires no changes to clients or servers and is not a point of failure.
- Features an easy-to-use web user interface.
- Detailed reporting provides valuable insight to the application manager.
- Eliminates the need to author and manage multiple web sites.
- Improves employee productivity.
- Makes web applications and content FAST!

How AppCelera ICX Works

AppCelera ICX combines several technologies to deliver accelerated Web content:

- **Browser- and Speed-Based Optimization.** Using knowledge of popular browsers' rendering habits, AppCelera ICX generates content in the format that the client's browser displays the fastest and most efficiently. AppCelera ICX also recognizes the user's connection speed to transform content for optimized delivery.
- **Content-Aware Compression.** AppCelera ICX reduces dynamic and static HTML page sizes by as much as 85%. This translates into shorter wait times and extra bandwidth for handling additional transactions. Because AppCelera ICX uses browser-based decompression technology, client-side software isn't required.
- **Caching of Content Variations.** For static content, once AppCelera ICX generates a compressed and transformed page, it stores the version for future use. Subsequent requests are even faster than the original due to the elimination of server delay and time to transform content.
- **SSL Offload and Acceleration of Secure Web Content.** AppCelera ICX-75s offloads CPU-intensive SSL key generation and data encryption from the server and then compresses and optimizes the secure content to improve network performance and reduce content delivery time.

Where Does AppCelera ICX Fit on the Network?

