

Application Acceleration Blueprint for IBM Rational ClearCase

- Reduce IBM Rational ClearCase Remote Client response time over the WAN by more than 90%
- Improve bandwidth utilization
- Eliminate time-outs and sustain file synchronization reliability
- Increase distributed developers' productivity

Business Environment

IBM® Rational® ClearCase® is the industry-leading software configuration management (SCM) solution that provides sophisticated version control, workspace management, parallel development support and build auditing to improve productivity. IBM Rational ClearCase Remote Client (CCRC) allows remote developers to perform all SCM related operations, however network latency can slow application response time when performing operations that modify and transfer files across the network. This can result in lost productivity and higher development costs.

Certeon Solution

Certeon's Application Acceleration Blueprint for IBM Rational ClearCase significantly reduces application response time, enabling a more reliable, real-time, and high-performance remote development capability. Certeon's Application Acceleration solutions can be implemented as hardware appliances or as a virtual appliance in a virtual machine environment. Certeon's aCelera Virtual Appliance software is the industry's first and only virtual appliance for application acceleration that can run inside a virtual machine. Certeon aCelera appliances,

aCelera™

along with Certeon's unique Application Acceleration Blueprints, deliver acceleration, virtualization and manageability when remotely accessing applications throughout a distributed enterprise.

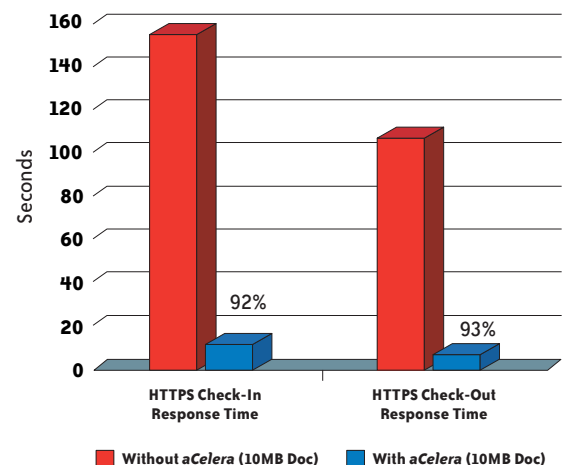
Critical ClearCase client transactions such as *load* and *update* view can take multiple minutes to complete with typical network latencies. With Certeon aCelera appliances, CCRC users can reduce the response time of these transactions to mere seconds. The improvement in network bandwidth performance and IBM Rational ClearCase application responsiveness cuts down on time-consuming and costly time-outs while waiting for large documents to synchronize. Remote source control management becomes more efficient and reliable, increasing developers' productivity.

Certeon Performance

Performance tests performed by Certeon, demonstrated as much as a 93% improvement in CCRC response time over the WAN. Illustrated (right) are the results of the CCRC HTTPS Check-in and Check-out response time testing for a 10MB Doc file. The results with Certeon's aCelera showed a reduction in response time from 158 to 13 seconds for Check-in and from 112 to 8 seconds for Check-out.

For complete performance test results go to www.certeon.com.

CCRC HTTPS Check-In and Check-Out Response Times



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About Certeon

Certeon's aCelera Virtual Appliance software is the industry's first and only virtual appliance to deliver acceleration, virtualization and manageability when remotely accessing applications throughout a distributed enterprise. Certeon's aCelera Virtual Appliances with embedded Application Acceleration Blueprints reduce application response time over the WAN by more than 95% without proprietary hardware appliances. aCelera is optimized for mission-critical applications such as enterprise content management, Web-based collaboration and wide-area file services. aCelera is flexible and easy to deploy, delivering faster, more scalable applications and enabling greater user productivity. For more information, contact Certeon at 877-221-8866 or go to www.certeon.com.



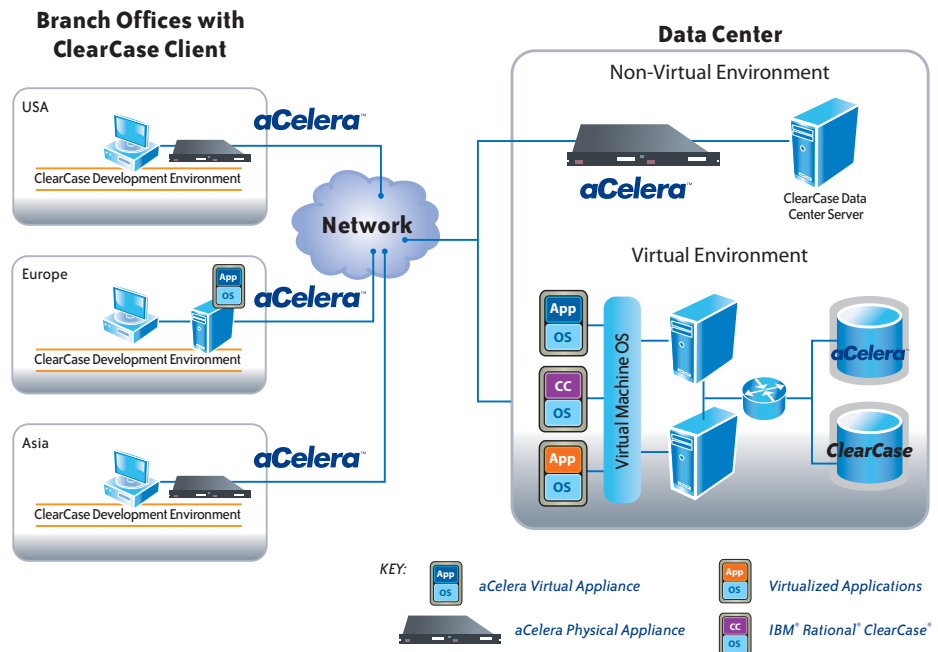
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Deploying Certeon's aCelera Appliances

Reducing the response time of remote IBM Rational ClearCase applications by adding Certeon's aCelera Appliances can be accomplished within either virtualized or non-virtualized infrastructures. aCelera Virtual Appliance software is easily deployed from a virtualized data center throughout the distributed enterprise. aCelera is supported on either VMware® ESX and ESXi or Microsoft® Windows Server 2008 Hyper-V virtual machine systems. aCelera Virtual Appliance software is easily loaded onto a virtualized data center SAN and provisioned out to branch offices through a virtual machine management system. aCelera software enables the quick and easy deployment of high performance and scalable virtualized application environments.

For non-virtualized distributed enterprises, aCelera Physical Appliances are deployed in the data center and at those branch offices requiring additional performance and scalability. The aCelera Physical Appliance is an industry standard server which will also support other applications such as IBM Rational ClearCase software, and be managed from a central management system. If a branch office requires an IBM Rational ClearCase server that is "application acceleration ready," then the aCelera Physical Appliance is an **open**, high performance, and scalable solution for those environments.

Certeon aCelera appliances deliver flexible options for both virtualized and non-virtualized IBM Rational ClearCase environments. These high performance, scalable, and manageable application acceleration solutions will enable IT managers to easily and quickly deploy high performance development environments, without adding proprietary appliance hardware.



Ready for IBM Rational Software Validation

Certeon's aCelera has earned Ready for IBM Rational Software validation.