



## AppLoader® Healthcare

Does your healthcare application perform properly under load?  
Do application response times meet your target requirements?  
How many simultaneous users can your application handle?

*Don't hope for the best...*

*Be confident before you go live*

### Affordable Quality Assurance for Healthcare

Is insufficient testing putting your staff productivity and patient safety at risk? With the fast pace of IT innovation in today's healthcare environment, it's hard to keep up. You constantly have to contend with a new application, module, version, patch, as well as migrating to virtual servers. Going live without load testing can have dire consequences, but most load testing solutions cost too much to consider — and that doesn't even include hefty consulting fees.

**Are you sure that each new application will perform as expected in your live environment — how about with 20 end users, 100, 10,000?**

Finally, there is a high performance, yet highly affordable, solution to ensure the readiness of all your healthcare information systems. AppLoader Healthcare removes the time and cost barriers that prevent many healthcare organizations from performing load testing. This easy-to-use solution stresses an application with real-life traffic loads to accurately assess performance under a wide range of conditions — giving you the confidence you need.

### Greater accuracy — right from the end user's perspective

AppLoader acts as actual end users to offer a true picture of end to end performance from a real user's perspective. As a result, you won't have to guess how long it will take a physician to access radiology records, a pharmacist to verify a medication order, or an ED nurse to admit a new patient during peak hours — you'll know.

### No scripting necessary

Think load testing requires days of test development and complex scripting languages? Think again. AppLoader's intuitive scenario builder makes it easy to create any sequence of end user actions without any scripting. As a result, you can develop complex test scenarios in a fraction of the time required with other load testing solutions.

### 360° view of your application performance

AppLoader Healthcare doesn't just alert you of performance degradation as the application is stressed, it helps you understand why. Throughout the load test, AppLoader monitors all components involved — from operating systems and the desktop environment to network components, application servers, database servers, and more. As a result, you can instantly correlate performance issues with back-end events to isolate the source of the bottleneck.

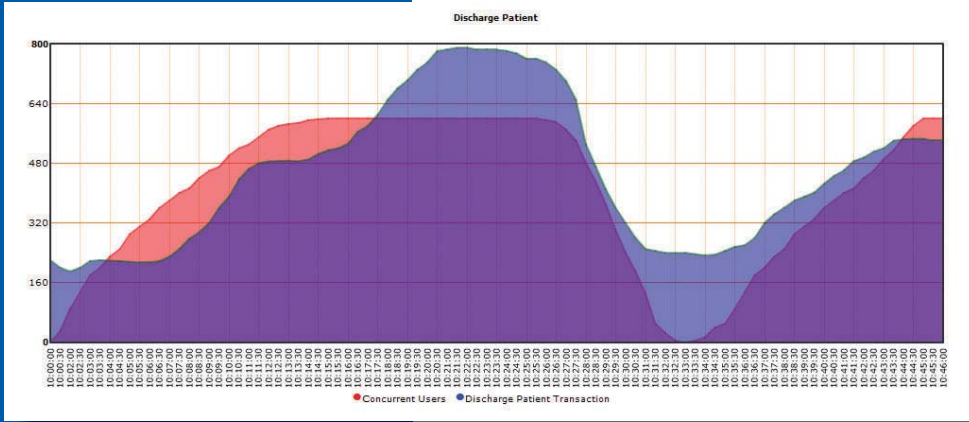
### Quality Assurance for any application, including:

- Citrix
- McKesson
- Cerner
- Eclipsys
- Epic
- GE Healthcare
- Meditech
- Custom Apps
- and more...

### Load testing for any application, any environment

Forget about purchasing separate test licenses for each application or version. AppLoader Healthcare supports virtually any application in the healthcare environment — from clinical and ancillary systems to document management, PACS, human resources and financial systems. This flexible load testing solution tests Citrix applications, leading healthcare information systems, and even any custom applications. And our unique protocol-independent technology does not need plug-ins or specific components.





Name	Scenario	Users	Max. Loop #	Avg. Exec. Time ...	Max. Exec. Time ...	Min. Exec. Time (...)	# of Successes	# of Failures
Patient Search		500	7	75.048	795.25	33.048	3370	130
Launching Application	Patient Search	500	7	5.094	5.203	5.093	3370	130
Finding Patient Info	Patient Search	500	7	9.063	9.125	9.062	3370	130
Process Patient Data	Patient Search	500	7	7.438	7.563	7.437	3370	130
Analyze Patient Records	Patient Search	500	7	6.625	6.75	6.625	3370	130
Clear Results	Patient Search	500	7	6.156	6.297	6.156	3370	130

## Clear and Immediate Analysis

AppLoader breaks each scenario down into meaningful transactions — such as how long it took to launch the application, log in, and pull up a patient record.

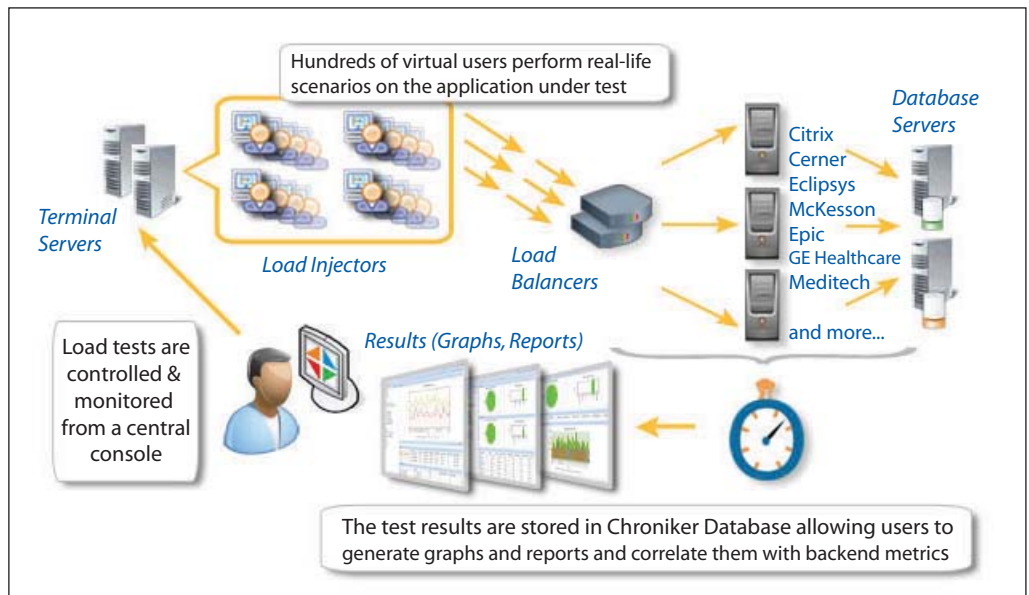
- A built-in reporter translates gathered test data into graphs and reports that matter for healthcare IT teams, so it's easy to see which processes are affected at what level of load.
- Compare scenario response time to each transaction and number of users
- Correlate response time to any system metric
- Generate reports by scenario, transaction, and number of users.
- Highlight avg., max. and min. response time and number of success and failures

*“Without AppLoader’s thorough testing, it simply would not have been possible for us to achieve a ‘Go’ decision to put a key application into production at North Carolina’s Department of Health and Human Services.”*

- Valerie D. Cooper,  
Project Director, NCHIS,  
EDS, an HP Company

## How AppLoader Healthcare works

Robots simulate multiple users from PCs at multiple test locations. You can set up a scenario in minutes, then apply consistent, measurable, and repeatable loads, and use the data to pinpoint scalability concerns before they impact end users.



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