

# Powerful and Flexible Load Testing for Ellucian



**RadView's relationship with Ellucian dates back to 1999. Throughout the years, WebLOAD has been Ellucian's load testing solution of choice for Banner and Luminis, successfully used by hundreds of educational institutions to ensure that performance meets users' expectations at peak demand times.**



## Flexible Solutions for Your Business Needs

We believe that enterprise-grade load testing should be within reach for higher education. RadView's special hybrid license for higher education enables you to purchase a permanent WebLOAD license for everyday load testing, and a short-term license to stress test with a significantly larger load as needed.

This approach allows you to ensure that your systems are ready for standard use as well as peak traffic events like student registration. If you expect 10,000+ concurrent users on your systems, you should test those systems with 10,000+ virtual users. We don't believe in using "fuzzy logic" to extrapolate how a system will behave with 10,000 concurrent users based on a 1,000 virtual user load test.

## Banner 9 – Are You Ready?






Upgrading to a new product version is an opportunity to deliver greater value to your users, but what good are the greatest features if the system fails to respond adequately? Testing your Banner 9 system with WebLOAD will guarantee a seamless upgrade process that delivers the performance and experience your users expect.

## Technology that Works

With WebLOAD you record a single user interacting with your Ellucian solutions via a browser. This recording then becomes your baseline load test script. Next, you quickly manipulate your test script to produce the anticipated peak production load mix you expect on your Ellucian solutions.

Once you successfully test your Ellucian solution, you can use WebLOAD Analytics to compare results between test runs, perform "what-if" load scenarios, identify performance bottlenecks, confirm tuning effectiveness and finally validate that your Ellucian environments are ready for your next registration period or other peak traffic event.

## The WebLOAD Advantage

-  100% out-of-box support for Ellucian
-  Flexible license model for cost-effective peak load testing
-  Over 20 years of experience and 3500 customers
-  Easy to get started, easy to customize with JavaScript
-  Seamless support for web and mobile

# RADVIEW

## Answer your key performance testing questions:

- ▶ Ready for Banner 9?
- ▶ Ready for next registration?
- ▶ Do you need a hardware upgrade?
- ▶ Are your network devices up to speed?

**Get answers you can count on with the most reliable load testing tool for Ellucian customers.**

## Field Proven by Some of Ellucian's Largest Customers

A university was having issues when 200 students were registering for their classes simultaneously.

- Tested and verified the configuration of their environment which included Oracle Application Server, Oracle Database, BEA WebLogic and Apache web servers.
- Using WebLOAD Analytics, identified several application areas that required tuning and configuration changes. The primary focus was on Oracle Application Server and Database.
- Self Service Banner (SSB) environment now handles 2,000 concurrent students.

A university was struggling to support 1,000 students registering for classes simultaneously. They had used a third party to load test their SSB environment using another load testing tool.

- Initial load test revealed they had a performance issue with less than 300 concurrent users.
- Using WebLOAD Analytics, identified Oracle Application Server parameters that were either set improperly or missing.
- SSB environment now handles 1,000+ concurrent students registering for classes with ease.

A college was having performance issues with their Luminis environment handling a few hundred concurrent students.

- Initial load test quickly revealed there were major issues with the organization's network routing tables and load balancers.
- Routing tables were updated, router firmware was updated, Oracle Application and Database servers were tuned and confirmed with several rounds of load testing.
- Luminis environment now handles 2,000+ concurrent students with no performance issues.

An institute was experiencing performance issues that went undetected by their previously-used load testing tool.

- Initial WebLOAD load tests revealed network performance issues and slow page delivery with less than 1,000 concurrent students.
- Initial Oracle Application Server tuning produced good response times with 2,000+ concurrent students on the system.
- Load tests revealed custom code that presented the users with pop-ups and info messages was performing 506 unnecessary database calls.
- Once the custom code was optimized, their SSB environment was able to handle 5,000+ concurrent students as needed.