

GOMEZ INTEGRATION

Understand web application performance without changing code

Instant performance measurement for new and existing applications

The performance of web applications is critical to the user experience, yet measuring it realistically has always been a challenging and labor-intensive task, which Cloud computing could complicate further. Now, however, Uniface users can benefit from an integrated capability that tells you about every aspect of performance, the way your users see it.

THE PROBLEM

If a web application performs poorly, internal users' productivity will plummet and some may refuse to use the application at all. In the case of a customer-facing application, poor performance can easily lose you business, since people will quickly move on to the next site. Research by Compuware Gomez¹ shows that nearly one-third (32%) of consumers will start abandoning slow sites within one to five seconds; 39% say speed is more important than functionality for most websites.

If you're deploying applications in the Cloud, performance issues are all-important, yet response times are particularly hard to predict. If performance is sub-optimal, not only may your application be under-used but you may also find bandwidth costs eroding the business case.

Until recently, it was not easy for developers to measure the performance of web applications realistically. As well as being difficult or time-consuming to use, such tools as were available often produced technical metrics that did not reflect the customer's experience. Gomez has changed that.

WHAT IS GOMEZ INTEGRATION AND HOW DOES IT HELP?

Compuware Gomez is an on-demand platform for optimizing the performance, availability, and quality of web and mobile applications. The Gomez platform identifies business-impacting issues by testing and measuring web applications from the outside in. It does so across all users, browsers, devices, and geographies, using a global network of 100,000+ locations.

Gomez lets your developers test the performance and response time of web applications from an end user's point of view. It automatically logs information about how long various aspects of the application take to complete; you can then use Gomez's online reporting capabilities to analyze the information as required.

With Uniface's Gomez integration, customers can immediately start load-testing and performance-testing Uniface web applications, whether new or existing. If the code is already written, there is no need to change a line of it in order to get started with Gomez.

Gomez is highly relevant to Cloud applications. It works with Dynamic Server Pages (DSPs) as well as Uniface Server Pages (USPs).

In summary, Gomez integration offers Uniface users the following benefits:

- When writing a new application, you can easily pinpoint features that are slowing it down and then tune it accordingly
- When you amend an application, you can compare the performance of the amended version with that of the previous one
- If an existing application is causing performance problems, you can quickly "drill down" to find out where the pain point is
- Zero coding is required: just start using Gomez with your existing application code
- Integrated with Uniface, Gomez can run automatically whenever your program runs, to monitor performance from an end user perspective.

¹ <http://www.gomez.com/new-survey-from-compuware-gomez-reveals-consumers-will-quickly-abandon-slow-websites/>

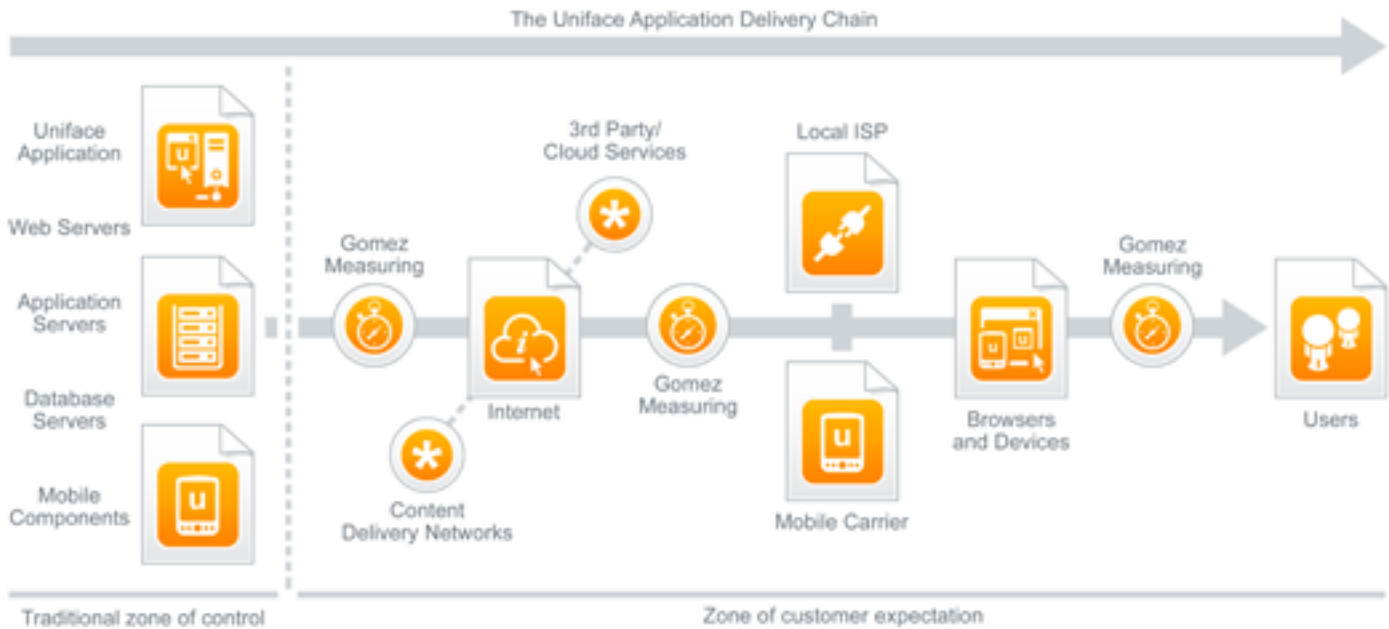


Figure 1: The Uniface Application Delivery Chain

GETTING STARTED WITH GOMEZ INTEGRATION

If you're already using Gomez for your Uniface applications, this integration makes it more convenient. All you need to do is install a patch in Uniface 9.4, change a couple of settings in your configuration files, and then Gomez will become an integral part of your development environment. On request, Gomez will start logging all the data you need to understand the performance of your Uniface web application, from browser to Uniface Web Application Server and database.

If you've never used Gomez before, you'll need to set up a Gomez account as well as installing the patch, but a free trial version is available. If you like it you can then license the "Pro" version which offers additional features.

MORE ABOUT THE INTEGRATION

The Gomez integration patch for Uniface 9.4 installs a non-intrusive 4GL Uniface service component which inserts the necessary JavaScript in the layout of both USP and DSP components. This component, UGOMEZ, is provided as open source, allowing Uniface developers to change it according to their needs. The component uses a configuration file, `ugomez.ini`, which specifies what components are to be measured and also includes Gomez account information.

COMPLEMENTARY OFFERINGS

The Gomez website (<http://www.compuware.com/solutions/gomez.asp>) offers tools and services to help you put the performance information you gather to practical use within your business.

If you prefer to use a different performance tool, perhaps because you have already invested in it, we can help you to integrate it with Uniface. It's a simple job because we have built the interface to be completely open.

To find out more about Gomez integration email: askuniface@compuware.com

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