



Denamik LoadGen

Provide the perfect insight into the
performance of your IT environment



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A migration, the implementation of a new application, the addition of new useraccounts: all common changes that may have an impact on the performance of your IT environment. To guarantee that systems continue to function as intended, it's important to have some insight as to how they are performing. To this end, performance test solutions, such as load and stress tests are carried out. These provide a fast and objective insight into the strengths and weaknesses of the IT environment.

The DeNamik Load Generator (LoadGen) is a highly effective solution for testing and measuring traditional desktop-server, Server Based Computing (SBC) and virtual environments. LoadGen assesses the underlying IT infrastructure in combination with and in relation to user experiences. This will give you a clear picture of the bottlenecks of your IT environment and can even predict where problems may crop up in the future. In addition to testing the IT environment's capacity to meet predetermined capacity requirements, Denamik LoadGen also assesses what users experiences are when they boot up a computer or launch an application.

Denamik LoadGen is ideally suited for testing individual (new) applications and detecting compatibility or performance conflicts prior to their use.

It provides answers to the following questions:

- Can the environment cope with user numbers?
- How do users experience the system?
- What is user experience over a specific period of time, for example, a day, week, or longer?
- Are all users able to log on at the same time every morning?
- What's the maximum number of users a server can handle?
- What will be the impact of changes to the hardware, software or configuration?
- What will be the impact of higher resolutions?
- How many more users can be added if another processor or extra memory is added to the system?

Denamik LoadGen is used for:

- Validating environments and designs: *does the application work in conformity with the design and does it meet network requirements?*
- Finding performance problems by detecting system limitations, *such as inadequate memory or a slow processor.*
- Implementation of new software, upgrades and migrations: *is there an adequate level of server capacity and how will the speed of other programmes be affected?*
- Setting up and upgrading IT infrastructures: *insight into server capacity ensures accurate upscaling and prevents either too much or not enough capacity.*
- Assessing user experience: *are users satisfied with the system's responsiveness or does the responsiveness exceed established thresholds?*

The test results

After performing the tests, LoadGen offers you a report of the test. This report will provide you with an insight into the performance indicators for the server(s) and user experience.

The results enable you to carry out various analyses, thus giving you a better understanding of your organisation's IT needs, both now and in the future.

The added value of Denamik LoadGen

Denamik LoadGen is an independent measuring instrument – a stable, reliable and scalable application – which enables you to gain a rapid insight into the performance of your IT environment.

- Denamik LoadGen is an application with a modular structure. In just a few minutes it can be scaled up from a hundred to thousands of test users. This means it can be used in both smaller and larger organisation.
- The tests are carried out in automated fashion, so enabling the test to be carried out at several physical locations simultaneously.
- In order to carry out the tests, no new devices need to be purchased: Denamik LoadGen performs the tests using your own equipment.
- Even for those with a limited know-how of scripts, the test script can be fairly easily set up using a built-in recorder and standard script language.
- A console from which the entire test can be set up and supervised.

Extra possibilities:

- The results are presented in easy-to-understand reports, along with clear graphs.
- Surveillance and monitoring of servers and various back-office systems (24x7).

Why Denamik LoadGen?

In choosing Denamik LoadGen, you have at your disposal a stable, reliable and upscalable test solution, which provides you with certainty about the status of your IT environment and the resources and/or hardware that you need in the short and long term. In addition, the risk of system disruptions is minimised when reconfiguring or implementing new software.

“LoadGen provides us with objective information so that we can validate actual and desired performance levels and check these against user experiences. The application allows us to periodically test what was previously unquantifiable. This gives us a much clearer picture of what we need to do so that we can continue to perform properly.”

*Michel Janszen, Senior ICT architect at Accounting Plaza
Client since 2008*

“Our IT infrastructure must perform to the best possible levels, so with 170 different locations we can't afford sudden shutdowns to our system for a couple of hours or so. For that reason we have to consider carefully every implementation or change to the system and to know exactly what its impact will be beforehand. Denamik LoadGen gives us a much clearer idea of the impact, both on the server and the user. Gaining an insight into the potential problems in advance, rather than afterwards, gives us greater confidence in implementing these changes.”

*Herman Brom, ICT team leader at Cordaan
Client since 2006*

Consultancy Performance testing

With LoadGen, Denamik offers a solution which enables organizations to carry out performance tests for themselves. Depending on what your requirements are, consultants can provide support in setting up your test environment and help analyse the test results. Many years of experience with Denamik LoadGen means our consultants are familiar with the best way for a test to be set up, performed and analysed.



More information

If you would like more information about Denamik LoadGen or how Denamik LoadGen can be deployed within your organization, **please call** +31 (0)88 789 0088, send an **e-mail** to info@denamik.com or go to www.denamik.com