



Performance testen voor dummies

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HAYSTAQ

Kennis maken

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Wat gaan we doen?

- Wat is Performance testen?
- Voorbereiding
- Workshop







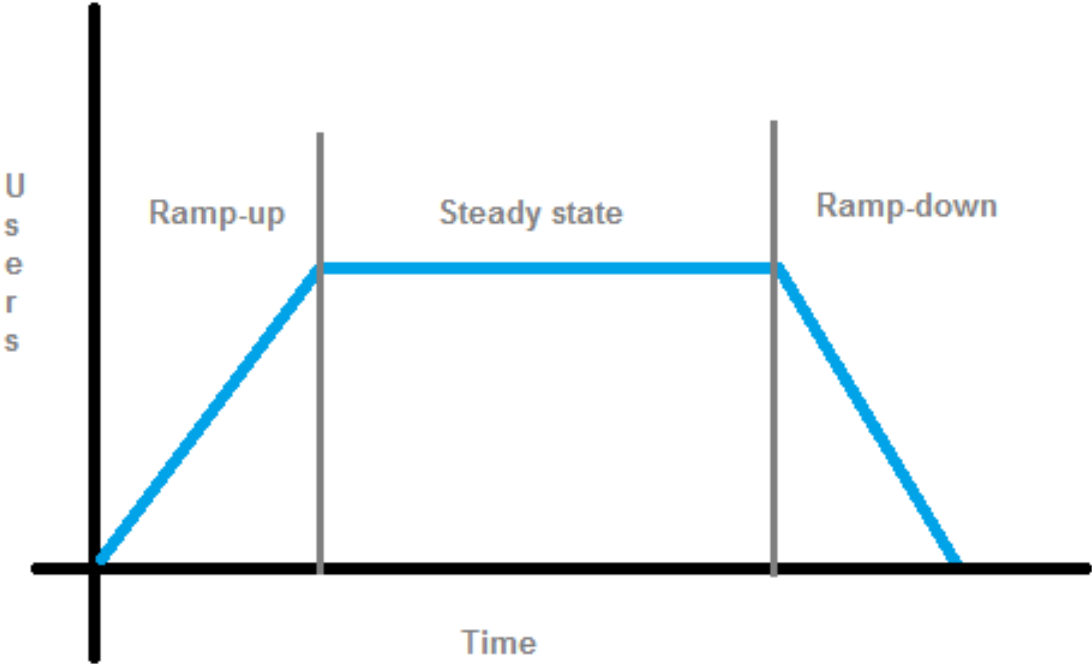
Waarom?

- Bottleneck bepaling
- Configuratiekeuze
- Inzicht in huidige limiet v.d. applicatie

Soorten Performance Tests

- Load Testen
- Stress Testen
- Spike Testen
- Scalability Testen

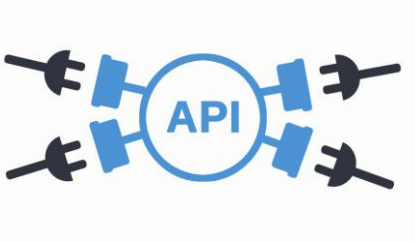
Ramp-up



Opzetten omgeving

- Welke omgeving?
 - Subset productie met minder servers/lagere specs
 - Subset productie met minder servers
 - Exacte replica van productie
 - Testen op productie
- Welke requirements?
 - Responstijd
 - Hoeveelheid requests
 - CPU/Memory
 - Etc.

Wat testen?



Welke tool?



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Aan de slag!

The screenshot shows a web application interface for 'Demo Web Shop', a sample application by Tricentis. The page features a top navigation bar with links for 'Register', 'Log in', 'Shopping cart(0)', and 'Wishlist(0)'. A search bar is located below the navigation. The main content area is divided into several sections:

- CATEGORIES:** A list of categories including Books, Computers, Electronics, Apparel & Shoes, Digital downloads, Jewelry, and Gift Cards.
- MANUFACTURERS:** A list of manufacturers, currently showing Tricentis.
- POPULAR TAGS:** A list of tags including apparel, awesome, book, camera, cell, compact, computer, cool, digital, game, jewelry, nice, shirt, shoes, and TCP. A 'View all' link is also present.
- Featured Product:** A large image of a desktop computer system, labeled 'Super Desktop'.
- NEWSLETTER:** A section for signing up for the newsletter, including a text input field and a 'Subscribe' button.
- COMMUNITY POLL:** A poll titled 'Do you like nopCommerce?' with radio button options for 'Excellent', 'Good', 'Poor', and 'Very bad', and a 'Vote' button.

Below the featured product, there is a 'Welcome to our store' message: 'Welcome to the new Tricentis store! Feel free to shop around and explore everything.' Below this message is a section for 'FEATURED PRODUCTS'.

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Aan de slag!

- Inloggen al als voorbeeld toegevoegd
 - User: perfws@testnet.nl
 - Password: perftest
- Script 1
 - Log in de applicatie
 - Voeg een item toe aan de Shopping Cart
 - Reken het item af
- Script 2
 - Selecteer een random item i.p.v. een vast item
 - Reken het item af
- Script 3
 - Voeg een random aantal items toe aan de Shopping Cart
 - Reken alle items af

Demo

The screenshot displays the NeoLoad application window titled "NeoLoad - [Workshop_Performance_testen_voor_dummies]". The interface is divided into several sections:

- Menu Bar:** File, Edit, Share, Record, Run, Tools, Help.
- Toolbar:** Includes icons for file operations, recording, and execution.
- Navigation:** Design (active), Runtime, Results.
- Left Panel (User Paths):** Shows a tree view for "demowebshop.tricentis.com" with a "Script 1" containing an "Init" folder and an "Actions" folder. The "Actions" folder is expanded, showing a sequence of steps: Open homepage webshop, Open inlog pagina, Inloggen met user, Open, Open Categorïe Books, Add, Add book to shoppingcart, Open shoppingcart, Buy_1, Checkout, and a series of checkout steps (step1 to step6).
- Bottom Panel (Actions):** Lists various control actions such as Delay, Loop, While, If...Then...Else, Switch, Variable Modifier, Transaction, Try...Catch, Go to next iteration, Stop, Fork, and Wait Until.
- Right Panel (Definition and Settings):**
 - Definition:** Description: "Elements repeated until the Virtual User stops."
 - Runtime parameters:** "Reset user session and emulate new browser between each iteration." with radio buttons for Yes, No, and Auto (selected).
 - Settings:** Radio buttons for "Play all elements sequentially" (selected), "Play all elements randomly", and "Play 1 element(s) randomly". An "Advanced mode" checkbox is present.
 - Table:** A table with two columns: "Element" and "Repetition".

Element	Repetition
Open homepage webshop	1
Open inlog pagina	1
Inloggen met user	1
Open	1
 - Pacing:** Radio buttons for "No pacing" (selected), "Pacing duration: 0 sec.", and "Pacing duration between: 0 sec. and:". Below are buttons for "Apply SLA..." and "Global validation...".

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