

# 13.INSPIRE ESPUS školenie „Kvalita údajov a služieb“

INSPIRE kvalita údajov a služieb v praxi





MINISTERSTVO

ŽIVOTNÉHO PROSTREDIA  
SLOVENSKEJ REPUBLIKY



ESPUS

Efektívna správa priestorových údajov a služieb

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30.11.2022



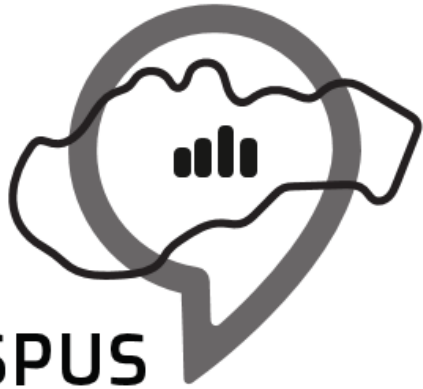
**Európska únia**  
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# Prehľad

## INSPIRE kvalita služieb v praxi

- JMeter: Príprava základného testovacieho scenára pre zobrazovaciu službu (WMS)
- JMeter: Test kapacity WMTS služby
- JMeter: Test výkonnosti ukladacej služby (WFS)
- GHC: Test dostupnosti





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## INSPIRE kvalita služieb v praxi

# Základy práce s Apache JMeter

- Stiahnutie:
  - [https://jmeter.apache.org/download\\_jmeter.cgi](https://jmeter.apache.org/download_jmeter.cgi)
  - Vyžaduje Java 8+
- Zásuvné moduly:
  - <https://jmeter-plugins.org/wiki/Start/>
- Praktické ukážky



[jmeter-plugins.org](https://jmeter-plugins.org)

Every load test needs some sexy features!

# Základy práce s Apache JMeter

- Jmeter plugins:
  - Custom Thread Groups
  - Graphs Generator Listener
  - Throughput Shaping Timer
  - 3 Basic Graphs
  - 5 Additional Graphs



[jmeter-plugins.org](http://jmeter-plugins.org)

Every load test needs some sexy features!

# Praktické ukážky Apache JMeter

The image displays two software interfaces used for testing and visualization.

**Top Interface: Apache JMeter**

- Test Plan:** A tree view showing a Thread Group containing User Defined Variables, a ForEach Controller, an HTTP Request, a Constant Timer, and a View Results Tree. The View Results Tree is expanded to show the 'jp@gc - Response Times Over Time' plugin.
- Plugin Configuration:** The 'jp@gc - Response Times Over Time' plugin is configured with the name 'jp@gc - Response Times Over Time'. It includes options for 'Write results to file / Read from file' (Filename, Browse...), 'Log/Display Only' (Errors, Successes), and a 'Configure' button. Below are tabs for 'Chart', 'Rows', and 'Settings'.
- Network Activity:** A list of requests is shown, all being GET requests to 'https://zbgisws.skgeodesy.sk/inspire\_administrative\_units\_wms/serv...'. The first request is highlighted with a red square and labeled 'HTTP Request' with a value of 380.
- Chart:** A line chart titled 'HTTP Request' showing response times over time. The x-axis is 'Elapsed time (granularity: 500 ms)' from 00:00:00 to 00:00:06. The y-axis represents response time. A red line shows the response time starting at approximately 380ms, dipping slightly, then dropping to a minimum of about 100ms at 00:00:04:30, before rising again to about 380ms at 00:00:06.

**Bottom Interface: QGIS**

- Map:** A map of Slovakia showing administrative boundaries. The map is titled '\*skolenie 02 - AU cezhranicne - QGIS'. The 'Layers' panel on the left shows 'Administrative unit/Administrative boundary' selected. The map shows several regions: Bratislavský, Trnavský, Nitriansky, Banskobystrický, Trenčiansky, and Žilinský.
- Network Activity:** A panel showing the same list of requests as the JMeter interface, with a search filter and 'Show successful requests' and 'Show timeouts' buttons.

# Apache JMeter - HTTP(S) Test Script Recorder

The screenshot displays the Apache JMeter 5.5 interface. The main window is titled "HTTP(S) Test Script Recorder". The left sidebar shows a "Test Plan" containing a "Thread Group" with a "Recording Controller" and 12 "HTTP(S) Test Script Recorder" elements. The main panel shows the configuration for the selected "HTTP(S) Test Script Recorder".

**HTTP(S) Test Script Recorder Configuration:**

- Name: HTTP(S) Test Script Recorder
- Comments: (empty)
- State: (empty)
- Global Settings: Port: 8888, HTTPS Domains: (empty)
- Test Plan Creation: Requests Filtering
- Test plan content: Target Controller: Use Recording Controller, Grouping: Do not group samplers,  Capture HTTP Headers,  Add Assertions,  Regex matching
- HTTP Sampler settings: Transaction name: (empty), Naming scheme: Prefix, Counter start value: (empty),  Redirect Automatically,  Follow Redirects
- GraphQL HTTP Sampler settings:  Detect GraphQL Request

A dialog box titled "Recorder: Transactions Control" is open in the foreground. It contains the following settings:

- Transaction name: (empty)
- Naming scheme: Prefix
- Counter start value: (empty),
- Create new transaction after request (ms): (empty)

The dialog box also features a "Stop" button with a red 'X' icon.



# Nastavenie počtu requestov za sekundu

jp@gc - Throughput Shaping Timer

Name:

Comments:

[Help on this plugin](#)

Requests Per Second (RPS) Schedule

Start RPS	End RPS	Duration, sec
20	20	60

■ Expected RPS

Number of requests /sec

Elapsed Time

00:00:00 00:00:06 00:00:12 00:00:18 00:00:24 00:00:30 00:00:36 00:00:42 00:00:48 00:00:54 00:01:00

jmeter-plugins.org

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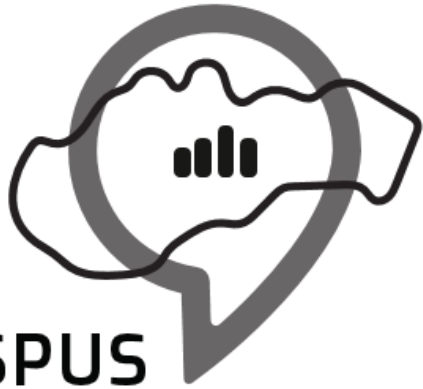
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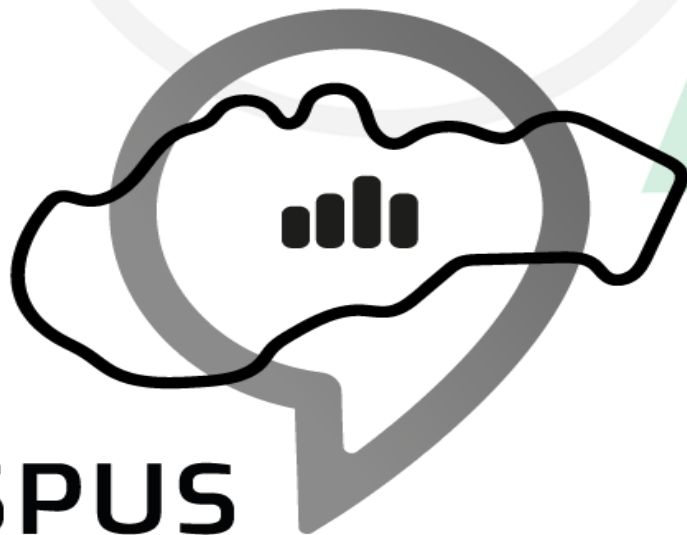
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Ďakujem za pozornosť!

**Meno Priezvisko**

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# ESPUS



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<https://inspire.gov.sk/projekty/espus>