



Introdução ao JMeter

Quinta-feira, 08 de Março de 2018

Criando planos de teste de carga

JMeter (<https://jmeter.apache.org/>)

Ferramenta Java para desenvolvimento de testes de carga e performance em aplicações web, banco de dados, serviços, etc..

About

- Overview
- License

Download

- Download Releases
- Release Notes

Documentation

- Get Started
- User Manual
- Best Practices
- Component Reference
- Functions Reference
- Properties Reference
- Change History
- Javadocs
- JMeter Wiki
- FAQ (Wiki)

Tutorials

- Distributed Testing
- Recording Tests
- JUnit Sampler
- Access Log Sampler
- Extending JMeter

Apache JMeter™

The **Apache JMeter™** application is open source software, a 100% pure Java application designed to load test functional behavior and measure performance. It was originally designed for testing Web Applications but has since expanded to other test functions.

What can I do with it?

Apache JMeter may be used to test performance both on static and dynamic resources, Web dynamic applications. It can be used to simulate a heavy load on a server, group of servers, network or object to test its strength or to analyze overall performance under different load types.

Apache JMeter features include:

- Ability to load and performance test many different applications/server/protocol types:
 - Web - HTTP, HTTPS (Java, NodeJS, PHP, ASP.NET, ...)
 - SOAP / REST Webservices
 - FTP
 - Database via JDBC
 - LDAP
 - Message-oriented middleware (MOM) via JMS
 - Mail - SMTP(S), POP3(S) and IMAP(S)
 - Native commands or shell scripts

https://jmeter.apache.org/download_jmeter.cgi

Access Log Sampler

- Extending JMeter

Community

- Issue Tracking
- Security
- Mailing Lists
- Source Repositories
- Building and Contributing
- Project info at Apache
- Contributors

Foundation

- The Apache Software Foundation (ASF)
- Get Involved in the ASF
- Sponsorship
- Thanks

Apache JMeter 4.0 (Requires Java 8 or 9.)

Binaries

[apache-jmeter-4.0.tgz md5 sha512 pgp](#)
[apache-jmeter-4.0.zip md5 sha512 pgp](#)

Source

[apache-jmeter-4.0_src.tgz md5 sha512 pgp](#)
[apache-jmeter-4.0_src.zip md5 sha512 pgp](#)

Archives

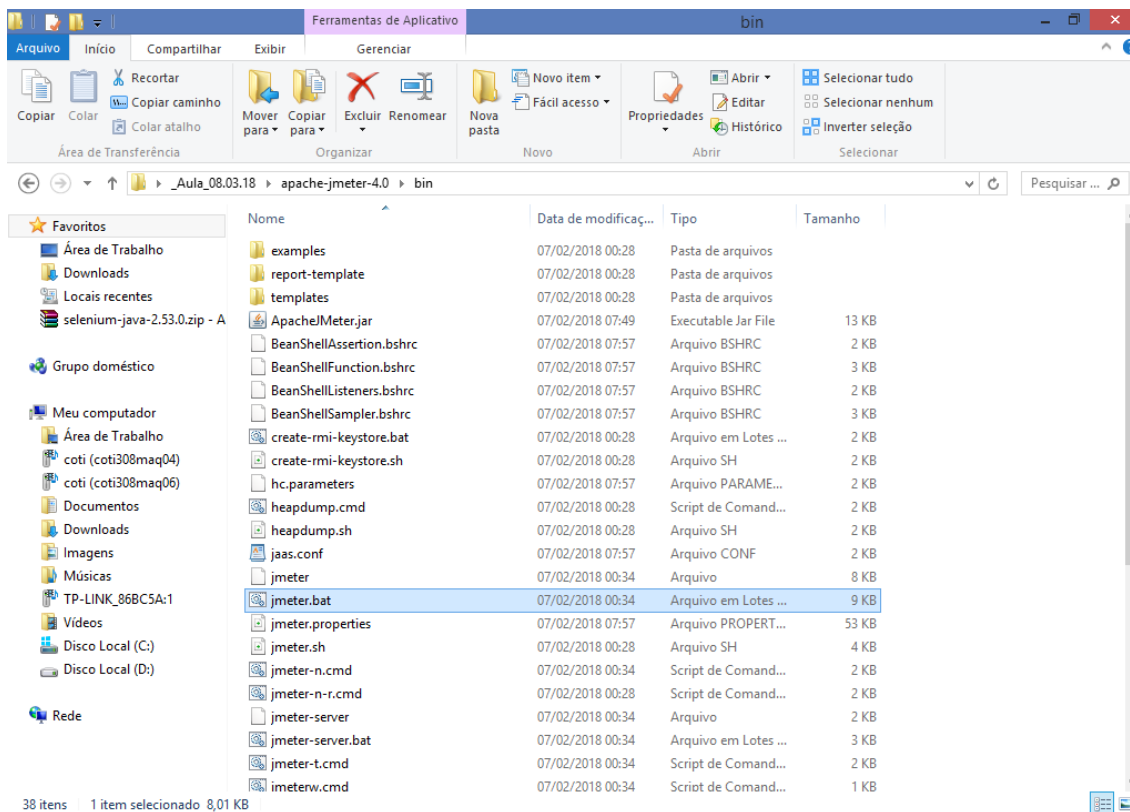
Older releases can be obtained from the archives.

- [browse download area](#)
- [Apache JMeter archives...](#)
- [Apache Jakarta JMeter archives...](#)

apache-jmeter-4.0zip 1.5/49.2 MB, 58 minutos resta...

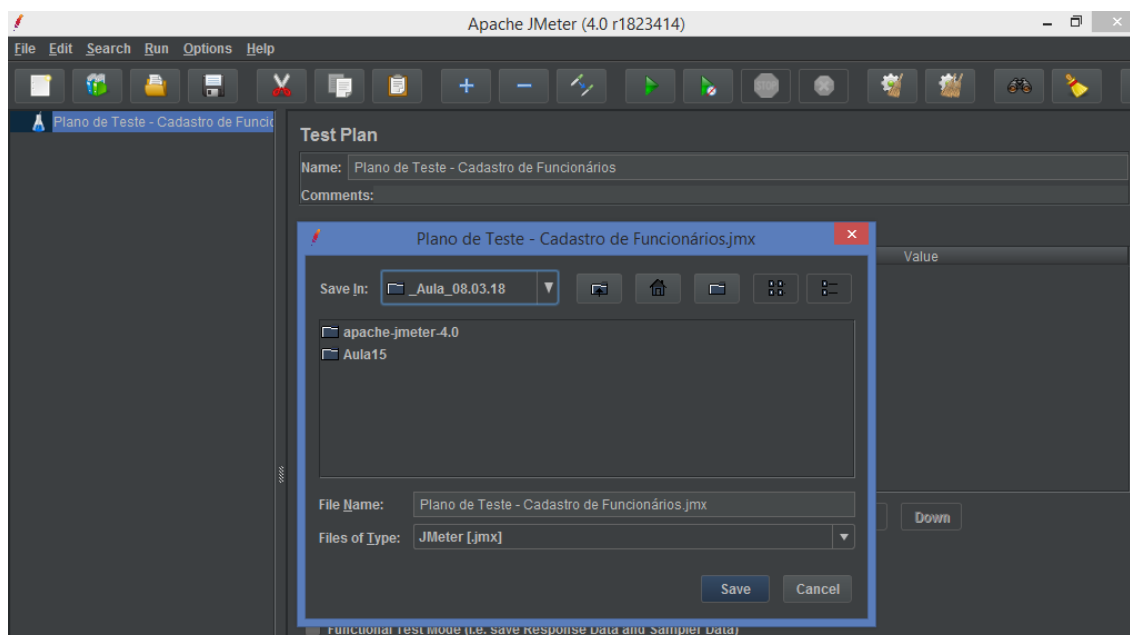
Exibir todos

Extraia o conteúdo do JMeter:
 apache-jmeter-4.0\bin\jmeter.bat



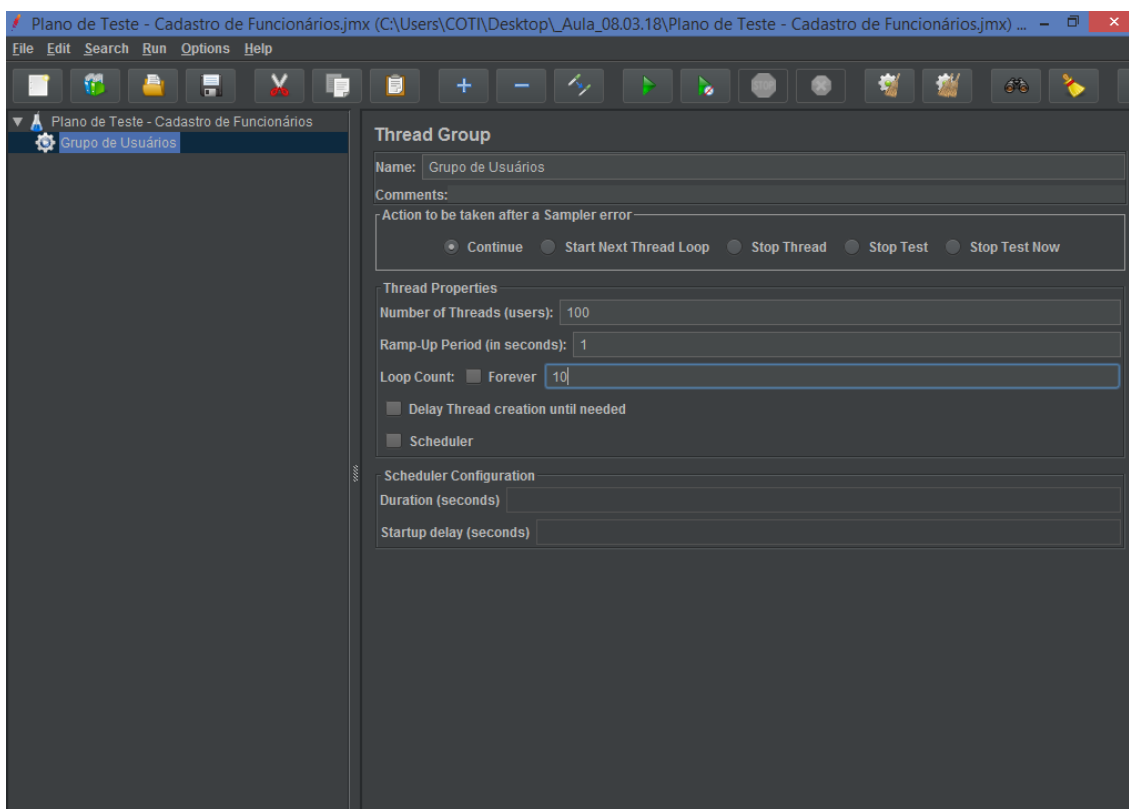
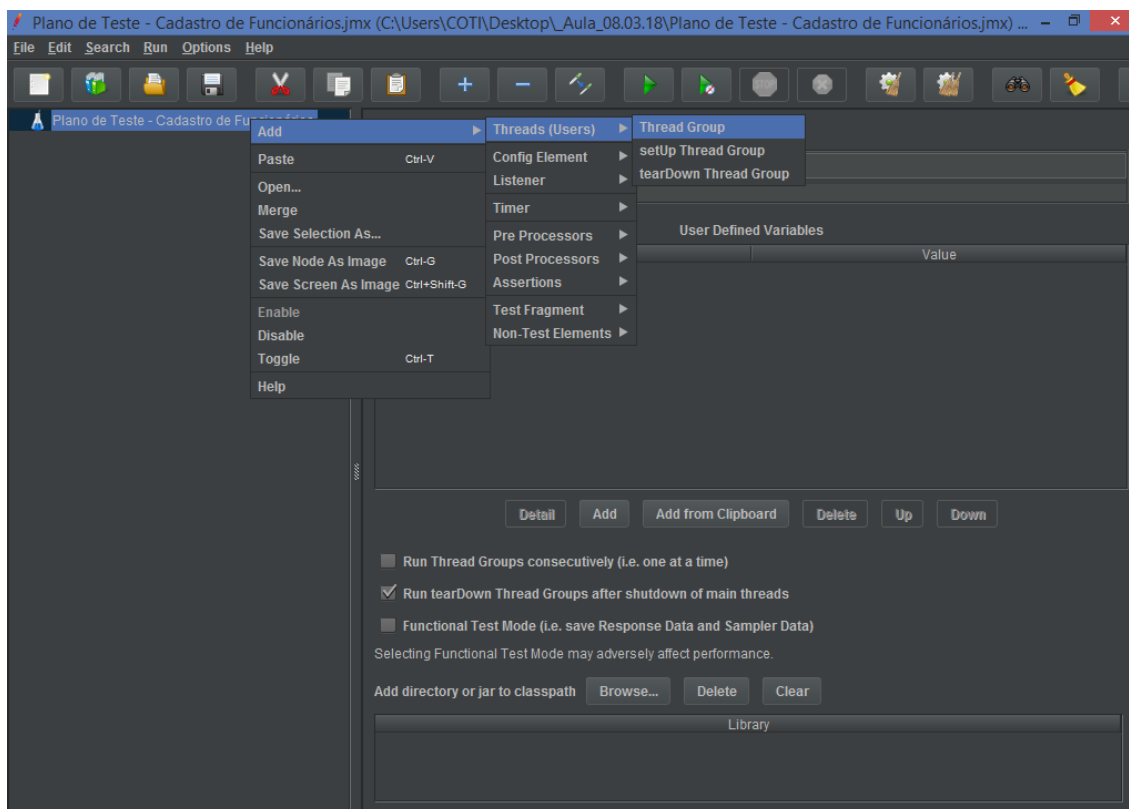
Para criarmos um teste de carga para uma página web, iremos seguir 4 passos no jmeter

Passo 1) Salvar o plano de teste



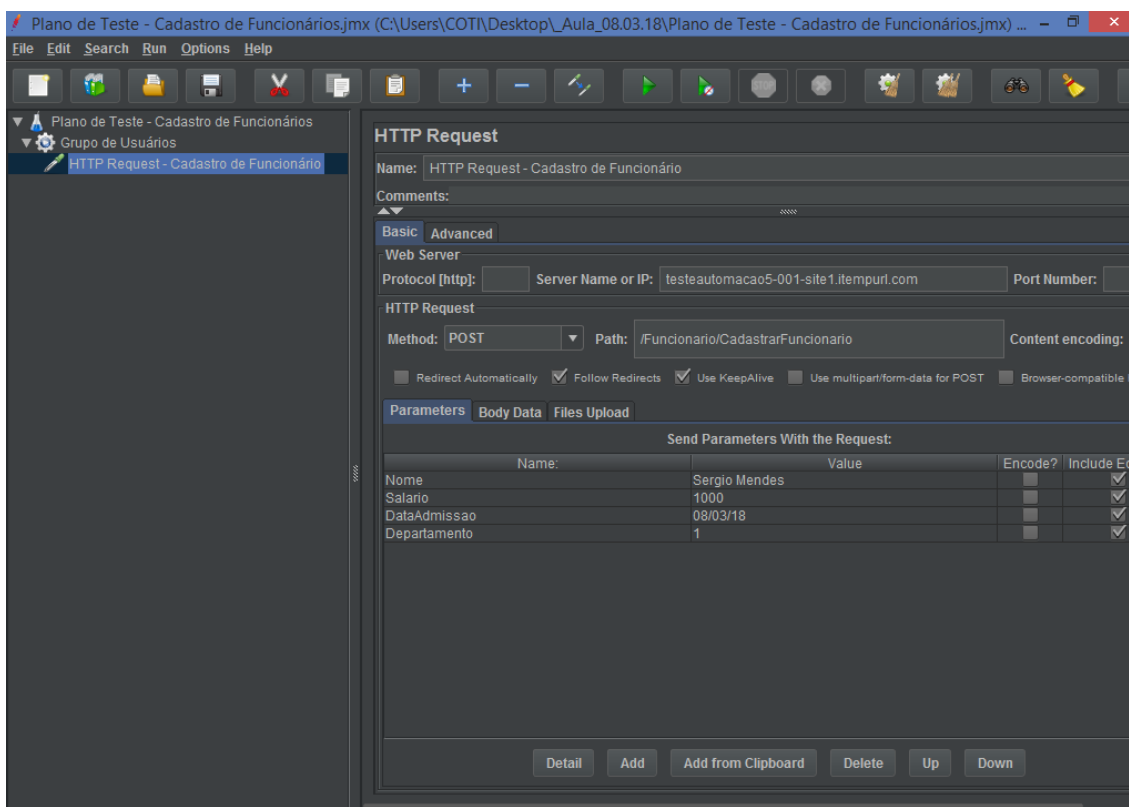
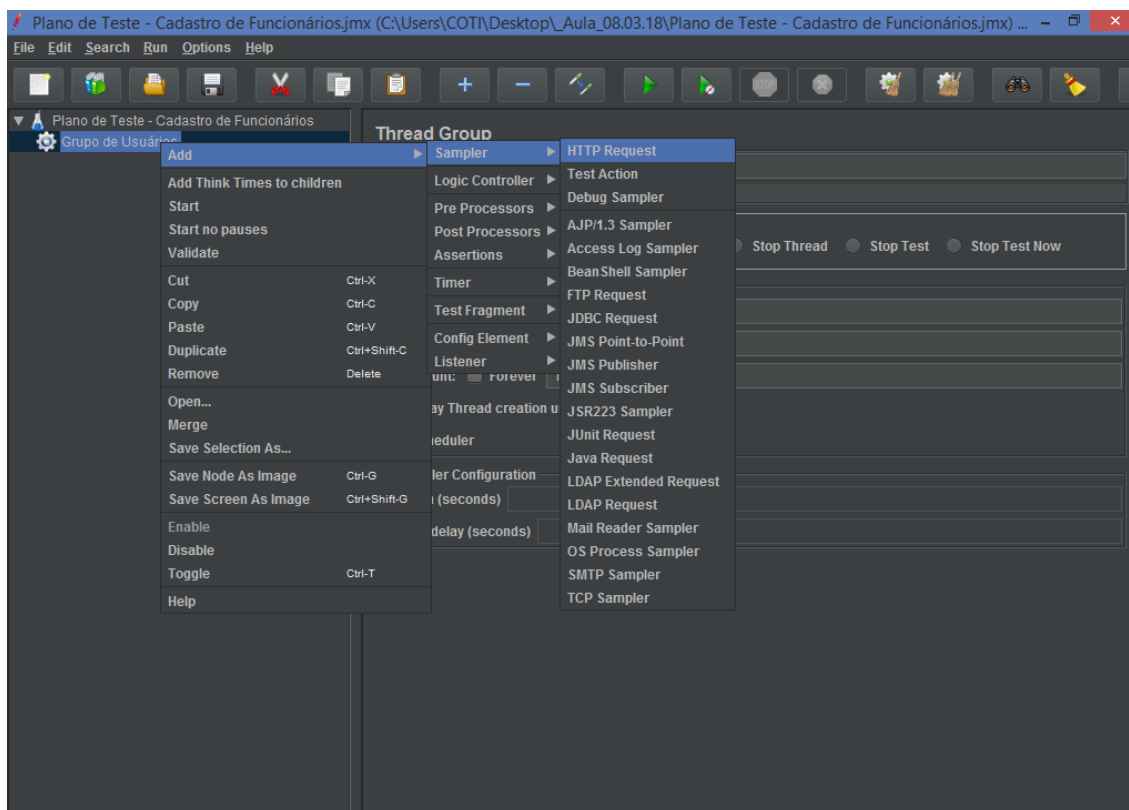
Passo 2) Criando o grupo de usuarios virtuais

Consiste no numero de threads que serão executadas em paralelo para gerar a carga de processamento do teste.



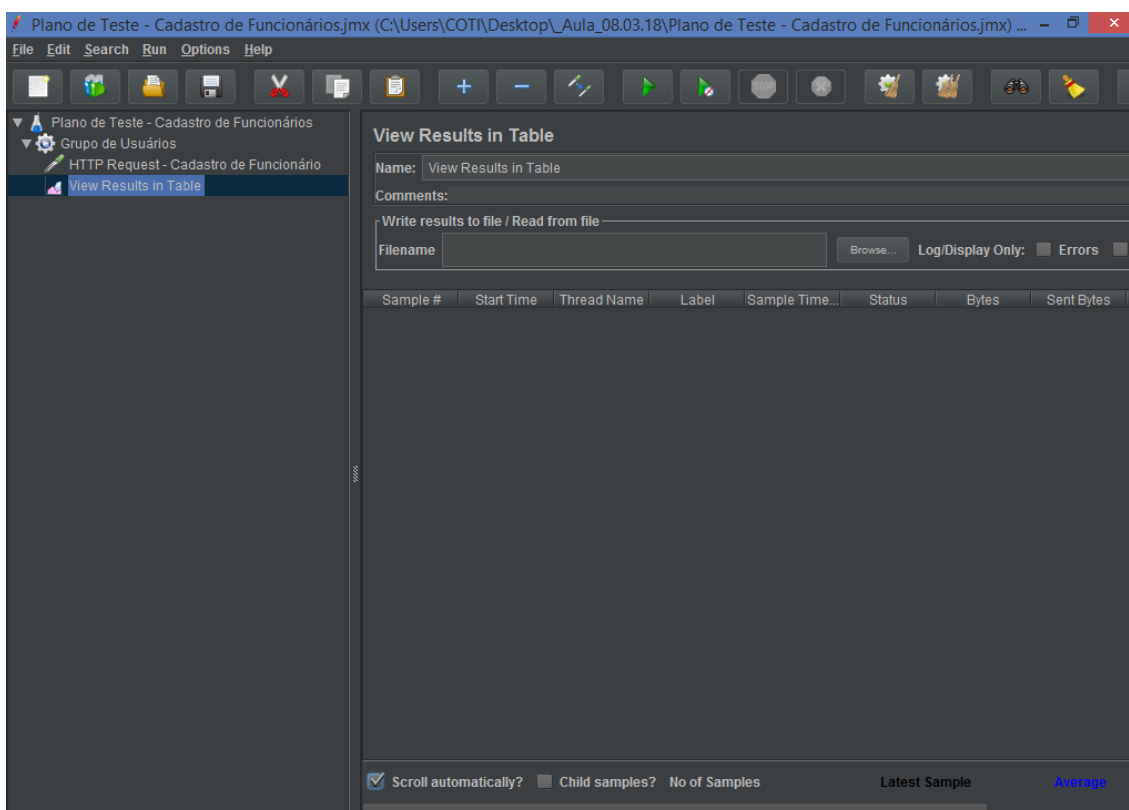
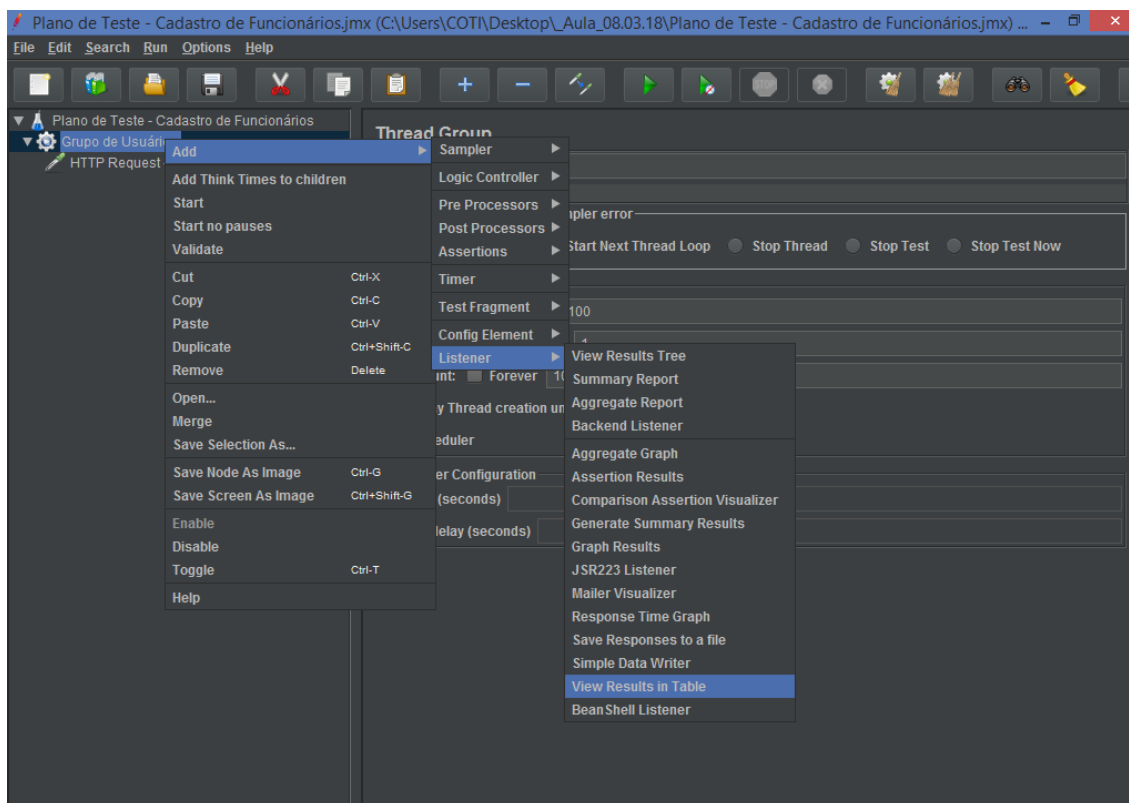
Passo 3) Criando a requisição HTTP

Configurar uma requisição HTTP POST para cadastrar funcionarios



Passo 4) Adicionando os ouvintes

Gráficos ou tabelas que exibem os resultados da execução





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Executando:

Plano de Teste - Cadastro de Funcionários.jmx (C:\Users\COTI\Desktop_Aula_08.03.18\Plano de Teste - Cadastro de Funcionários.jmx) ...

File Edit Search Run Options Help

Plano de Teste - Cadastro de Funcionários

- Grupo de Usuários
- HTTP Request - Cadastro de Funcionário
- View Results in Table**

View Results in Table

Name: View Results in Table

Comments:

Write results to file / Read from file

Filename: Browse...

Log/Display Only: ☐ Errors ☐ Success

Sample #	Start Time	Thread Name	Label	Sample Time...	Status	Bytes	Sent Bytes
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☒ Scroll automatically? ☐ Child samples? No of Samples Latest Sample Average

Plano de Teste - Cadastro de Funcionários.jmx (C:\Users\COTI\Desktop_Aula_08.03.18\Plano de Teste - Cadastro de Funcionários.jmx) ...

File Edit Search Run Options Help

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Sample #	Start Time	Thread Name	Label	Sample Time...	Status	Bytes	Sent Bytes	Later
1	18:23:24.861	Grupo de Us...	HTTP Reque...	2673	✓	2561	316	
2	18:23:24.864	Grupo de Us...	HTTP Reque...	2783	✓	2561	316	
3	18:23:24.965	Grupo de Us...	HTTP Reque...	2730	✓	2561	316	
4	18:23:24.891	Grupo de Us...	HTTP Reque...	2932	✓	2561	316	
5	18:23:24.975	Grupo de Us...	HTTP Reque...	2880	✓	2561	316	
6	18:23:25.006	Grupo de Us...	HTTP Reque...	2861	✓	2561	316	
7	18:23:24.891	Grupo de Us...	HTTP Reque...	3024	✓	2561	316	
8	18:23:24.957	Grupo de Us...	HTTP Reque...	2983	✓	2561	316	
9	18:23:25.012	Grupo de Us...	HTTP Reque...	2950	✓	2561	316	
10	18:23:24.893	Grupo de Us...	HTTP Reque...	3121	✓	2561	316	
11	18:23:24.866	Grupo de Us...	HTTP Reque...	3172	✓	2561	316	
12	18:23:24.861	Grupo de Us...	HTTP Reque...	3186	✓	2561	316	
13	18:23:24.866	Grupo de Us...	HTTP Reque...	3188	✓	2561	316	
14	18:23:24.889	Grupo de Us...	HTTP Reque...	3329	✓	2561	316	
15	18:23:24.991	Grupo de Us...	HTTP Reque...	3247	✓	2561	316	
16	18:23:24.928	Grupo de Us...	HTTP Reque...	3349	✓	2561	316	
17	18:23:24.970	Grupo de Us...	HTTP Reque...	3321	✓	2561	316	
18	18:23:24.865	Grupo de Us...	HTTP Reque...	3453	✓	2561	316	
19	18:23:24.961	Grupo de Us...	HTTP Reque...	3425	✓	2561	316	
20	18:23:24.988	Grupo de Us...	HTTP Reque...	3417	✓	2561	316	
21	18:23:24.882	Grupo de Us...	HTTP Reque...	3598	✓	2561	316	
22	18:23:24.866	Grupo de Us...	HTTP Reque...	3775	✓	2561	316	
23	18:23:24.864	Grupo de Us...	HTTP Reque...	4336	✓	2561	316	
24	18:23:24.892	Grupo de Us...	HTTP Reque...	4779	✓	2561	316	
25	18:23:24.967	Grupo de Us...	HTTP Reque...	5333	✓	2561	316	

☐ Scroll automatically? ☐ Child samples? No of Samples 406 Latest Sample 5341 Average 5322