Engenharia de Software II

Evolução de Software via Git

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DCC
DEPARTAMENTO DE
CIÊNCIA DA COMPUTAÇÃO

UF*m*G

Agenda

1. Introdução

2. git log

3. Comandos básicos

4. Comandos de diff

5. Comandos de formatação

6. Comandos de filtragem

Tipos de Controle de Versões

- **Centralizado**: repositório principal mantém todas as versões dos componentes desenvolvidos

  - Exemplos: SVN, CVS

- **Distribuído**: múltiplas versões do repositório existem ao mesmo tempo

  - Exemplo: Git

CV Distribuído

- Desenvolvedores clonam o repositório

- Desenvolvedores trabalham em seus repositórios locais

- Quando terminam sua alterações, fazem commit das mudanças e atualizam seus repositórios locais

- Eles podem então fazer um "push" das alterações para repositório principal

Clone
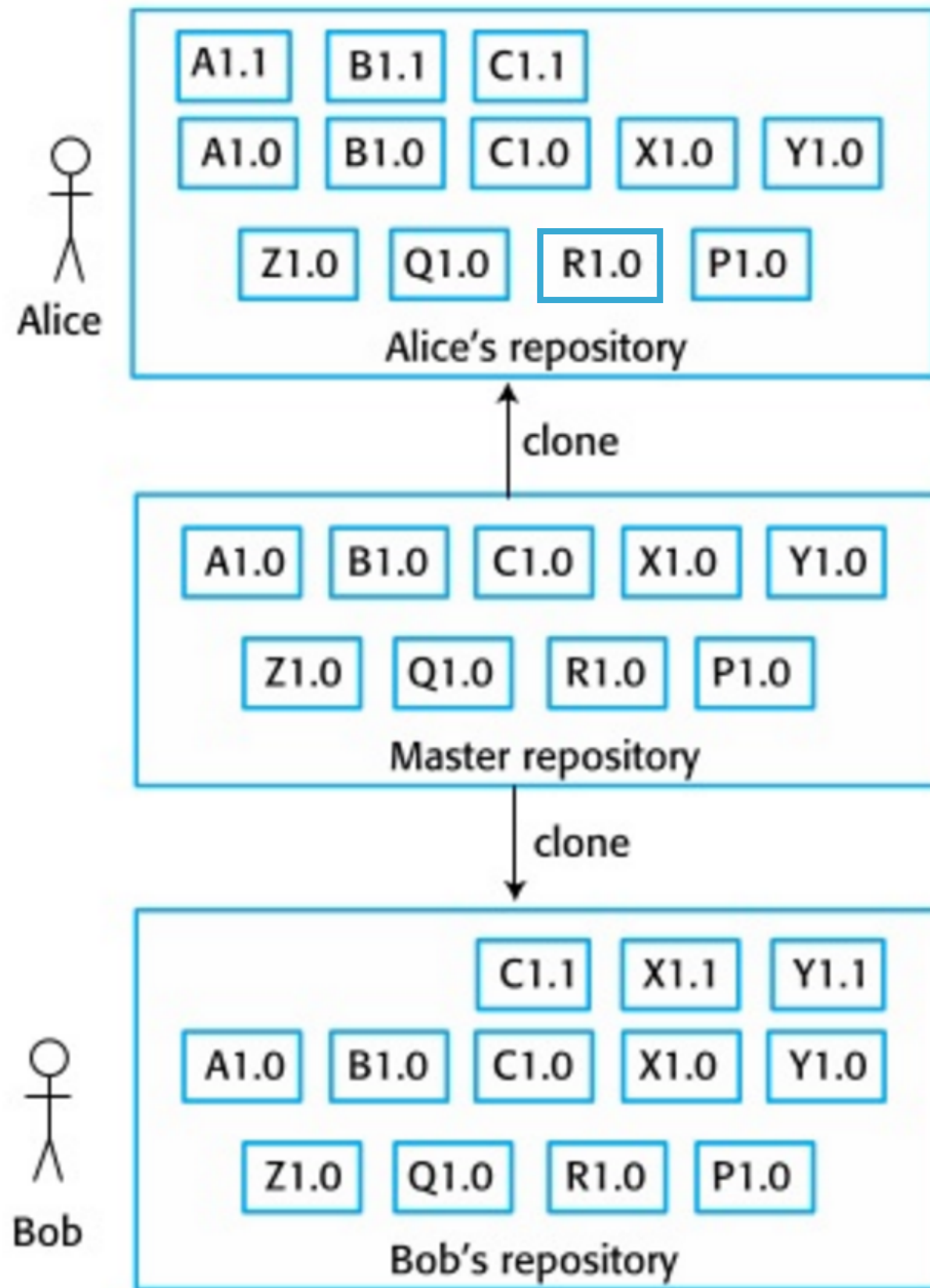
git log

git log

- **Objetivo**: acessar o histórico de commits

- Quando utilizar? após ter realizado alguns commits ou clonado um repositório

- Comando: `git log`

SpringBoot

- `git clone https://github.com/spring-projects/spring-boot.git`

- `cd spring-boot`

👁 Watch ▾ 3,200   ★ Star 35,241   ⑂ Fork 23,367

<> Code   ⓘ Issues 369   ⑂ Pull requests 27   ▥ Projects 0   📖 Wiki   📊 Insights

Spring Boot   https://spring.io/projects/spring-boot

java   spring-boot   spring   framework

🕐 **20,691** commits   ⑂ **10** branches   🏷 **120** releases   👥 **550** contributors   ⚖ Apache-2.0
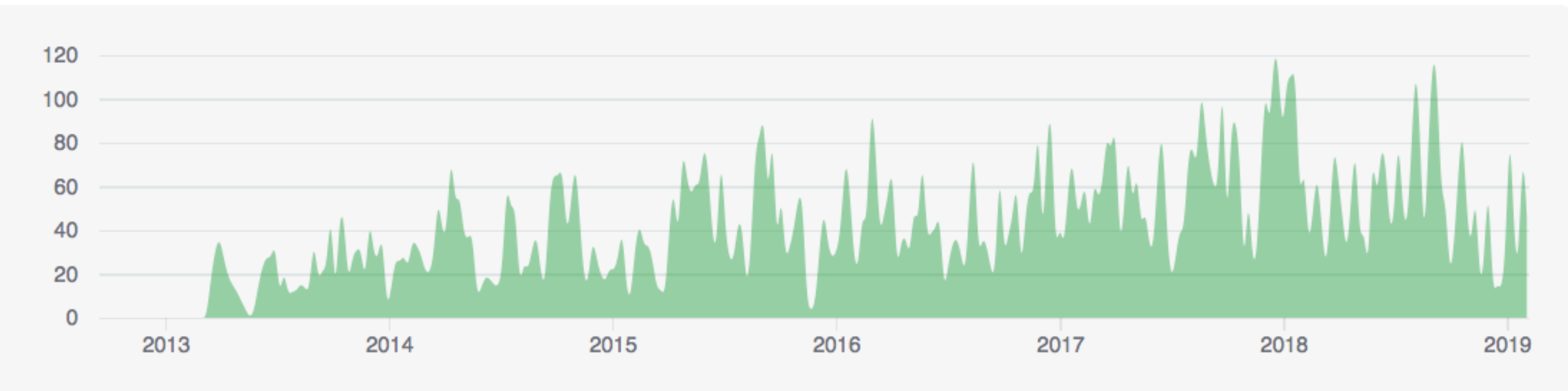
● **Java** 98.4%   ● **HTML** 0.5%   ● **Groovy** 0.4%   ● **Kotlin** 0.3%   ● **JavaScript** 0.2%   ● **Shell** 0.2%

Agenda

1. Introdução

2. git log

3. **Comandos básicos**

4. **Comandos de diff**

5. **Comandos de formatação**

6. **Comandos de filtragem**

Comandos Básicos

- `git log` — commits mais recentes primeiro

- `git log --reverse` — commits mais antigos primeiro

- `git log -2` — limita o número de commits

git log

```
$ git log
commit 0e0ea7f00ad2350ff048661d6e99b199fbbc7508 (HEAD -> master, origin/master, origin/HEAD)
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:   Thu Mar 14 13:22:43 2019 +0100

    Fix checkstyle violation

commit d2164a1ca3195b23ae2c1105c5965b5118901017
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:   Thu Mar 14 12:01:23 2019 +0100

    Document constructor binding

    Closes gh-8762

commit de21d71e20001e5496c9b5c03c8b9134fdb1d157
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:   Thu Mar 14 11:16:22 2019 +0100

    Remove support of `@Autowired` for configuration properties bean

    See gh-8762

commit fcdc414646ea0851002354b68618d7d608e30f27
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:   Thu Mar 14 11:03:10 2019 +0100

    Remove use of `@Autowired` for configuration properties bean

    See gh-8762

commit c4b8328a2bcd4606c2cba5b7968a5d1701af9c55
Merge: 223f2be7d2 b39b990a72
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:   Thu Mar 14 09:11:22 2019 +0100

    Merge pull request #16225 from dreis2211

    * pr/16225:
:
```

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git log --reverse

```
$ git log --reverse
commit 80b151e2b37a66a8fe7eb2d5bac2f7aa766d4ead
Author: Phillip Webb <pwebb@vmware.com>
Date:   Sun Oct 21 10:53:52 2012 -0700

    first commit

commit fb6b2244707dd5dfad12d62cb6a3c396555270d1
Author: Dave Syer <dsyer@vmware.com>
Date:   Wed Apr 24 10:02:07 2013 +0100

    Fast forward existing prototype work

commit 8a4b50e289a803c021426650fdb4b6f8fca4207a
Author: Dave Syer <dsyer@vmware.com>
Date:   Wed Apr 24 10:14:22 2013 +0100

    [bs-14] Ensure all servlet context initializers are called

    Misuse of TreeSet in EmbeddedWebApplicationContext corrected
    (use List and Comparator instead of TreeSet).

    [Fixes #48055339]

commit c91e83c7d2d0ec5f99b030b8201125d51328a777
Author: Dave Syer <dsyer@vmware.com>
Date:   Wed Apr 24 11:38:57 2013 +0100

    [bs-59] Add zip packaging for cli module

    * Also added "spring" shell script (in zip), so you can
    unzip it and run out of the box
    * To run in developer mode use SPRING_HOME, e.g.

            $ cd spring-bootstrap-cli
            $ SPRING_HOME=target src/main/scripts/spring run samples/web.groovy
    * Also added "clean" command to remove spring bootstrap grapes
    (useful to force a refresh of snapshot jars)
:
```

git log -2

```
$ git log -2
commit 0e0ea7f00ad2350ff048661d6e99b199fbbc7508 (HEAD -> master, origin/master, origin/HEAD)
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:    Thu Mar 14 13:22:43 2019 +0100

    Fix checkstyle violation

commit d2164a1ca3195b23ae2c1105c5965b5118901017
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:    Thu Mar 14 12:01:23 2019 +0100

    Document constructor binding

    Closes gh-8762
```

Comandos de Diff

- `git log -p`　apresenta as diferenças (patch)

- `git log --stat`　diferenças de forma resumida

- `git log --numstat`　linhas adicionadas e removidas

git log -p

```
$ git log -p
commit 0e0ea7f00ad2350ff048661d6e99b199fbbc7508 (HEAD -> master, origin/master, origin/HEAD)
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:   Thu Mar 14 13:22:43 2019 +0100

    Fix checkstyle violation

diff --git a/spring-boot-project/spring-boot-actuator-autoconfigure/src/main/java/org/springframework/boot/actuate/autoconfigure/endpoint/jmx/DefaultEndpointObjectNameFactory.java b/
spring-boot-project/spring-boot-actuator-autoconfigure/src/main/java/org/springframework/boot/actuate/autoconfigure/endpoint/jmx/DefaultEndpointObjectNameFactory.java
index 6e5f0ff27f..32c1b2e585 100644
--- a/spring-boot-project/spring-boot-actuator-autoconfigure/src/main/java/org/springframework/boot/actuate/autoconfigure/endpoint/jmx/DefaultEndpointObjectNameFactory.java
+++ b/spring-boot-project/spring-boot-actuator-autoconfigure/src/main/java/org/springframework/boot/actuate/autoconfigure/endpoint/jmx/DefaultEndpointObjectNameFactory.java
@@ -81,7 +81,7 @@ class DefaultEndpointObjectNameFactory implements EndpointObjectNameFactory {
            return this.environment.getProperty("spring.jmx.default-domain",
                        "org.springframework.boot");
        }
-
+
        private boolean hasMBean(String baseObjectName) throws MalformedObjectNameException {
            ObjectName query = new ObjectName(baseObjectName + ",*");
            return !this.mBeanServer.queryNames(query, null).isEmpty();

commit d2164a1ca3195b23ae2c1105c5965b5118901017
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:   Thu Mar 14 12:01:23 2019 +0100

    Document constructor binding

    Closes gh-8762

diff --git a/spring-boot-project/spring-boot-docs/src/main/asciidoc/spring-boot-features.adoc b/spring-boot-project/spring-boot-docs/src/main/asciidoc/spring-boot-features.adoc
index dc122dc68f..18668d5a73 100644
--- a/spring-boot-project/spring-boot-docs/src/main/asciidoc/spring-boot-features.adoc
+++ b/spring-boot-project/spring-boot-docs/src/main/asciidoc/spring-boot-features.adoc
@@ -894,7 +894,17 @@ Using the `@Value("${property}")` annotation to inject configuration properties
 sometimes be cumbersome, especially if you are working with multiple properties or your
 data is hierarchical in nature. Spring Boot provides an alternative method of working
 with properties that lets strongly typed beans govern and validate the configuration of
-your application, as shown in the following example:
+your application.
+
+TIP: See also the <<boot-features-external-config-vs-value,differences between `@Value`
+and type-safe configuration properties>>.
+
+
+
+[[boot-features-external-config-java-bean-binding]]
+==== JavaBean properties binding
+It is possible to bind a bean declaring standard JavaBean properties as shown in the
+following example:

 [source,java,indent=0]
```

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git log --stat

```
$ git log --stat
commit 0e0ea7f00ad2350ff048661d6e99b199fbbc7508 (HEAD -> master, origin/master, origin/HEAD)
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:   Thu Mar 14 13:22:43 2019 +0100

    Fix checkstyle violation

 .../springframework/boot/actuate/autoconfigure/endpoint/jmx/DefaultEndpointObjectNameFactory.java  | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)

commit d2164a1ca3195b23ae2c1105c5965b5118901017
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:   Thu Mar 14 12:01:23 2019 +0100

    Document constructor binding

    Closes gh-8762

 .../spring-boot-docs/src/main/asciidoc/spring-boot-features.adoc   | 135 ++++++++++++++++++++++++++-----
 1 file changed, 116 insertions(+), 19 deletions(-)

commit de21d71e20001e5496c9b5c03c8b9134fdb1d157
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:   Thu Mar 14 11:16:22 2019 +0100

    Remove support of `@Autowired` for configuration properties bean

    See gh-8762

 .../context/properties/EnableConfigurationPropertiesImportSelector.java    |  6 ------
 .../boot/context/properties/ConfigurationPropertiesTests.java              |  6 ++++--
 .../properties/EnableConfigurationPropertiesImportSelectorTests.java       | 25 ++---------------------
 .../properties/KotlinEnableConfigurationPropertiesImportSelectorTests.kt   | 19 +++--------------
 4 files changed, 9 insertions(+), 47 deletions(-)

commit fcdc414646ea0851002354b68618d7d608e30f27
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:   Thu Mar 14 11:03:10 2019 +0100

:
```

git log --numstat

```
$ git log --numstat
commit 0e0ea7f00ad2350ff048661d6e99b199fbbc7508 (HEAD -> master, origin/master, origin/HEAD)
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:    Thu Mar 14 13:22:43 2019 +0100

    Fix checkstyle violation

1       1       spring-boot-project/spring-boot-actuator-autoconfigure/src/main/java/org/springframework/boot/actuate/
autoconfigure/endpoint/jmx/DefaultEndpointObjectNameFactory.java

commit d2164a1ca3195b23ae2c1105c5965b5118901017
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:    Thu Mar 14 12:01:23 2019 +0100

    Document constructor binding

    Closes gh-8762

116     19      spring-boot-project/spring-boot-docs/src/main/asciidoc/spring-boot-features.adoc

commit de21d71e20001e5496c9b5c03c8b9134fdb1d157
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:    Thu Mar 14 11:16:22 2019 +0100

    Remove support of `@Autowired` for configuration properties bean

    See gh-8762

0       6       spring-boot-project/spring-boot/src/main/java/org/springframework/boot/context/properties/
EnableConfigurationPropertiesImportSelector.java
4       2       spring-boot-project/spring-boot/src/test/java/org/springframework/boot/context/properties/
ConfigurationPropertiesTests.java
2       23      spring-boot-project/spring-boot/src/test/java/org/springframework/boot/context/properties/
EnableConfigurationPropertiesImportSelectorTests.java
3       16      spring-boot-project/spring-boot/src/test/kotlin/org/springframework/boot/context/properties/
KotlinEnableConfigurationPropertiesImportSelectorTests.kt

commit fcdc414646ea0851002354b68618d7d608e30f27
Author: Stephane Nicoll <snicoll@pivotal.io>
:
```

git log --numstat

```
$ git log --numstat
commit 0e0ea7f00ad2350ff048661d6e99b199fbbc7508 (HEAD -> master, origin/master, origin/HEAD)
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:   Thu Mar 14 13:22:43 2019 +0100

    Fix checkstyle violation

1       1       spring-boot-project/spring-boot-actuator-autoconfigure/src/main/java/org/springframework/boot/actuate/
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Date:   Thu Mar 14 12:01:23 2019 +0100

    Document constructor binding
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linhas adicionadas e removidas

```
    Closes gh-8762

116     19      spring-boot-project/spring-boot-docs/src/main/asciidoc/spring-boot-features.adoc
commit de21d71e20001e5496c9b5c03c8b9134fdb1d157
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0       6       spring-boot-project/spring-boot/src/main/java/org/springframework/boot/context/properties/
EnableConfigurationPropertiesImportSelector.java
4       2       spring-boot-project/spring-boot/src/test/java/org/springframework/boot/context/properties/
ConfigurationPropertiesTests.java
2       23      spring-boot-project/spring-boot/src/test/java/org/springframework/boot/context/properties/
EnableConfigurationPropertiesImportSelectorTests.java
3       16      spring-boot-project/spring-boot/src/test/kotlin/org/springframework/boot/context/properties/
KotlinEnableConfigurationPropertiesImportSelectorTests.kt

commit fcdc414646ea0851002354b68618d7d608e30f27
Author: Stephane Nicoll <snicoll@pivotal.io>
:
```

Comandos de Formatação

- `git log --pretty=oneline`

  --pretty: muda o formato default da saída

  oneline: apresenta cada commit em um linha

- `git log --pretty=short`

  outras opções: short, full e fuller

- `git log --pretty=format:"%h - %an, %ar : %s" -10`

  format: permite customizar a saída

- `git log --pretty=format:"%h, %s" --graph`

  --graph: apresenta branches e merges

Table 1. Useful options for `git log --pretty=format`

Option	Description of Output
`%H`	Commit hash
`%h`	Abbreviated commit hash
`%T`	Tree hash
`%t`	Abbreviated tree hash
`%P`	Parent hashes
`%p`	Abbreviated parent hashes
`%an`	Author name
`%ae`	Author email
`%ad`	Author date (format respects the --date=option)
`%ar`	Author date, relative
`%cn`	Committer name
`%ce`	Committer email
`%cd`	Committer date
`%cr`	Committer date, relative
`%s`	Subject

Table 1. Useful options for `git log --pretty=format`

Option	Description of Output
%H	Commit hash
%h	Abbreviated commit hash
%T	Tree hash
%t	Abbreviated tree hash
%P	Parent hashes
%p	Abbreviated parent hashes
%an	Author name
%ae	Author email
%ad	Author date (format respects the --date=option)
%ar	Author date, relative
%cn	Committer name
%ce	Committer email
%cd	Committer date
%cr	Committer date, relative
%s	Subject

```
git log --pretty=format:"%h - %an, %ar : %s" -10
```

Mais formatação…

Table 2. Common options to `git log`

Option	Description
`-p`	Show the patch introduced with each commit.
`--stat`	Show statistics for files modified in each commit.
`--shortstat`	Display only the changed/insertions/deletions line from the --stat command.
`--name-only`	Show the list of files modified after the commit information.
`--name-status`	Show the list of files affected with added/modified/deleted information as well.
`--abbrev-commit`	Show only the first few characters of the SHA-1 checksum instead of all 40.
`--relative-date`	Display the date in a relative format (for example, "2 weeks ago") instead of using the full date format.
`--graph`	Display an ASCII graph of the branch and merge history beside the log output.
`--pretty`	Show commits in an alternate format. Options include oneline, short, full, fuller, and format (where you specify your own format).
`--oneline`	Shorthand for `--pretty=oneline --abbrev-commit` used together.

git log --pretty=oneline

```
$ git log --pretty=oneline
0e0ea7f00ad2350ff048661d6e99b199fbbc7508 (HEAD -> master, origin/master, origin/HEAD) Fix checkstyle violation
d2164a1ca3195b23ae2c1105c5965b5118901017 Document constructor binding
de21d71e20001e5496c9b5c03c8b9134fdb1d157 Remove support of `@Autowired` for configuration properties bean
fcdc414646ea0851002354b68618d7d608e30f27 Remove use of `@Autowired` for configuration properties bean
c4b8328a2bcd4606c2cba5b7968a5d1701af9c55 Merge pull request #16225 from dreis2211
b39b990a72f045524894e7e4665c6ac4efdd73da Use isEmpty() where possible
223f2be7d2a4be70ee3cceb186637aff2792b95a Inject InfoContributors instead of exposing them on InfoEndpoint
2cdc93cf19a959e1c3a0c25c83cb5d75fed95566 Make TestRestTemplate withBasicAuth fault tolerant
0872eb0dd92129266c3bf396829c3f91e0ec740c Remove use of ReflectionUtils.doWithMethods from ConfigurationBeanFactoryMetadata
210c51e31cf3c04219805f255ff3898d0a301548 Merge pull request #16115 from JWThewes
4d73211c3a65d298580b6379a3ea13a3792ed494 Polish "Check for multiple processors in OnClassCondition"
a96a79ea45b00be34e84b34af96b4bc45f50bcee Check for multiple processors in OnClassCondition
9da20b7e52ec3dc3ef0da0a6761385567ab0cd0d Merge branch '2.1.x'
07d95ce0861638e7a2459a65418ab95d6564d1b3 (origin/2.1.x) Merge pull request #16224 from xak2000
fcde648c50ced4dd9e3f7ca394f528fa0162f25f Fix typo in logging.group property description
ae3ea186e289312a0adce9aa65add54c834c9abb Align test with change to exception in latest Framework snapshots
5a66dc8c6e439d17a5ac859ad572e5732dbb2d78 Merge branch '2.1.x'
9906ef24003f50a98e137b25c0555f0bdea8189c Merge branch '2.0.x' into 2.1.x
8866a25ef79eda30c56c2844152f49cfc476c2d1 (origin/2.0.x) Polish Undertow tests
61380415781bd2341c78017464823eaefc9d9dfc Polish
a6ccdbe19fb27cef6fd08490959849c6fd0bcb53 Handle missing exceptions in WebMvcMetricsFilter
2b4845b3358b5d116d30d82a9318adddcacb2f95 Add dependency needed by javadoc generation on JDK 11
81def1f21d6d183bfdb38250380eeae087fef362 Polish
e8cb75bba88f7fbec3d5b35aee24d06a3e43a4b8 Enable git remote linking automatically on CF
55e5bafcfc98da988ab5743e7868443d21a87109 Merge pull request #16165 from mrifni
b2290107db9fdb9ab7c023d67d537c91d8e6903c Polish "Trim trailing whitespace from spring.server.servlet.context-path"
bde2f850b2182dff7ac35223d723d50af4ddc944 Trim trailing whitespace from spring.server.servlet.context-path
347daf69fbd8ad8cd83e641a9a0df8ebfdc34b29 Merge branch '2.1.x'
b7ca103125bff95e9a8013cfc1d1b86ca49cd457 Merge pull request #16213 from orangeroad0922
765801983b814b35795b109b243e1f9f8030812a Polish "Fix typo in spring-boot-features.adoc"
47169436ed8329412ec7548ac2b2441c777d491a Fix typo in spring-boot-features.adoc
39971bbbd388e5fbc392ba8c8174f8b8620dcbd3 Add dependency needed by javadoc generation on JDK 11
68bfb020aad3d98fa57de3c2b31addba0f080e6b Reduce need for bean method proxying and disable where not needed
0f71f22f3c26234f5739f57cdd1aeee8c13980bc Polish
628e44187ff51eaa46b8060ba35a96385a312edb Merge branch '2.1.x'
d77f69cfa9d07da511cf0572b3946a250ec9249f Merge pull request #16166 from viktoriya-kutsarova
f07de1bbe2a5f6c0caed5250f10235aa2c7c97a4 Polish "Update ambiguous documentation about ConfigurationProperties"
6b6ac28430d7892e792248f9609efafe87d69d2c Update ambiguous documentation about ConfigurationProperties
:
```

git log --pretty=short

```
$ git log --pretty=short
commit 0e0ea7f00ad2350ff048661d6e99b199fbbc7508 (HEAD -> master, origin/master, origin/HEAD)
Author: Stephane Nicoll <snicoll@pivotal.io>

    Fix checkstyle violation

commit d2164a1ca3195b23ae2c1105c5965b5118901017
Author: Stephane Nicoll <snicoll@pivotal.io>

    Document constructor binding

commit de21d71e20001e5496c9b5c03c8b9134fdb1d157
Author: Stephane Nicoll <snicoll@pivotal.io>

    Remove support of `@Autowired` for configuration properties bean

commit fcdc414646ea0851002354b68618d7d608e30f27
Author: Stephane Nicoll <snicoll@pivotal.io>

    Remove use of `@Autowired` for configuration properties bean

commit c4b8328a2bcd4606c2cba5b7968a5d1701af9c55
Merge: 223f2be7d2 b39b990a72
Author: Stephane Nicoll <snicoll@pivotal.io>

    Merge pull request #16225 from dreis2211

commit b39b990a72f045524894e7e4665c6ac4efdd73da
Author: dreis2211 <christoph.dreis@freenet.de>

    Use isEmpty() where possible

commit 223f2be7d2a4be70ee3cceb186637aff2792b95a
Author: Madhura Bhave <mbhave@pivotal.io>

    Inject InfoContributors instead of exposing them on InfoEndpoint

commit 2cdc93cf19a959e1c3a0c25c83cb5d75fed95566
Author: Madhura Bhave <mbhave@pivotal.io>
:
```

git log --pretty=format:"%h - %an, %ar : %s" -10

```
$ git log --pretty=format:"%h - %an, %ar : %s" -10
0e0ea7f00a - Stephane Nicoll, 7 hours ago : Fix checkstyle violation
d2164a1ca3 - Stephane Nicoll, 8 hours ago : Document constructor binding
de21d71e20 - Stephane Nicoll, 9 hours ago : Remove support of `@Autowired` for configuration properties bean
fcdc414646 - Stephane Nicoll, 9 hours ago : Remove use of `@Autowired` for configuration properties bean
c4b8328a2b - Stephane Nicoll, 11 hours ago : Merge pull request #16225 from dreis2211
b39b990a72 - dreis2211, 24 hours ago : Use isEmpty() where possible
223f2be7d2 - Madhura Bhave, 23 hours ago : Inject InfoContributors instead of exposing them on InfoEndpoint
2cdc93cf19 - Madhura Bhave, 24 hours ago : Make TestRestTemplate withBasicAuth fault tolerant
0872eb0dd9 - Andy Wilkinson, 29 hours ago : Remove use of ReflectionUtils.doWithMethods from ConfigurationBeanFactoryMetadata
210c51e31c - Stephane Nicoll, 26 hours ago : Merge pull request #16115 from JWThewes
```

git log --pretty=format:"%h, %s" --graph

```
$ git log --pretty=format:"%h, %s" --graph
* 0e0ea7f00a, Fix checkstyle violation
* d2164a1ca3, Document constructor binding
* de21d71e20, Remove support of `@Autowired` for configuration properties bean
* fcdc414646, Remove use of `@Autowired` for configuration properties bean
*   c4b8328a2b, Merge pull request #16225 from dreis2211
|\
| * b39b990a72, Use isEmpty() where possible
|/
* 223f2be7d2, Inject InfoContributors instead of exposing them on InfoEndpoint
* 2cdc93cf19, Make TestRestTemplate withBasicAuth fault tolerant
* 0872eb0dd9, Remove use of ReflectionUtils.doWithMethods from ConfigurationBeanFactoryMetadata
*   210c51e31c, Merge pull request #16115 from JWThewes
|\
| * 4d73211c3a, Polish "Check for multiple processors in OnClassCondition"
| * a96a79ea45, Check for multiple processors in OnClassCondition
|/
*   9da20b7e52, Merge branch '2.1.x'
|\
| *   07d95ce086, Merge pull request #16224 from xak2000
| |\
| | * fcde648c50, Fix typo in logging.group property description
| |/
* | ae3ea186e2, Align test with change to exception in latest Framework snapshots
* |   5a66dc8c6e, Merge branch '2.1.x'
|\ \ \
| |/
| *   9906ef2400, Merge branch '2.0.x' into 2.1.x
| |\
| | * 8866a25ef7, Polish Undertow tests
| | * 6138041578, Polish
| | * a6ccdbe19f, Handle missing exceptions in WebMvcMetricsFilter
* | | 2b4845b335, Add dependency needed by javadoc generation on JDK 11
* | | 81def1f21d, Polish
* | | e8cb75bba8, Enable git remote linking automatically on CF
* | |   55e5bafcfc, Merge pull request #16165 from mrifni
|\ \ \ \
| * | | b2290107db, Polish "Trim trailing whitespace from spring.server.servlet.context-path"
| * | | bde2f850b2, Trim trailing whitespace from spring.server.servlet.context-path
:
```

Comandos de Filtragem

- `git log --after="2019-01-01"`   commits depois de uma certa data

- `git log --before="2018-12-31"`   commits antes de uma certa data

- `git log --author="Madhura Bhave"`   filtra commits por autor

- `git log --grep="critical"`   filtra commits por mensagem

- `git log -p -S "Vector"`   filtra commits que adicionam ou removem a string

Table 3. Options to limit the output of `git log`

Option	Description
`-<n>`	Show only the last n commits
`--since, --after`	Limit the commits to those made after the specified date.
`--until, --before`	Limit the commits to those made before the specified date.
`--author`	Only show commits in which the author entry matches the specified string.
`--committer`	Only show commits in which the committer entry matches the specified string.
`--grep`	Only show commits with a commit message containing the string
`-S`	Only show commits adding or removing code matching the string

git log --before="2018-12-31"

```
$ git log --before="2018-12-31"
commit 6ee8cde5b0df89f3149c2175f9adb8da95f2997c
Merge: 33547569db d0811b48df
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:    Mon Dec 31 16:52:25 2018 +0100

    Merge pull request #15565 from ayudovin

    * pr/15565:
      Polish "Disable Hibernate entity scanning for default JPA setup"
      Disable Hibernate entity scanning for default JPA setup

commit d0811b48df6ff2d860b96f6540d45f9de53aecd6
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:    Mon Dec 31 16:51:43 2018 +0100

    Polish "Disable Hibernate entity scanning for default JPA setup"

    Closes gh-15565

commit 510a8e2ec16d93de743d2d475929ca3e66c3ec2a
Author: ayudovin <a.yudovin6695@gmail.com>
Date:    Tue Dec 25 16:46:27 2018 +0300

    Disable Hibernate entity scanning for default JPA setup

    See gh-15565

commit 33547569db674b0b63a6daea2017bb5ce7673076
Merge: 1e98c78ab9 c6202b57e0
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:    Mon Dec 31 10:36:41 2018 +0100

    Merge branch '2.1.x'

commit c6202b57e0d54378ceabe7ae7a9e52b80db84994
Merge: a8efcadc90 be161b23cb
Author: Stephane Nicoll <snicoll@pivotal.io>
Date:    Mon Dec 31 10:36:24 2018 +0100
:
```

git log --author="Madhura Bhave"

```
$ git log --author="Madhura Bhave"
commit 223f23bcfd24b70ee3cceb186637aff2792b95a
Author  Madhura Bhave <mbhave@pivotal.io>
Date:    Wed Mar 13 13:16:47 2019 -0700

    Inject InfoContributors instead of exposing them on InfoEndpoint

    Closes gh-13586

commit 2ede93cf19a49e1c3a0c25c83cb5d75fed95566
Author  Madhura Bhave <mbhave@pivotal.io>
Date:    Wed Mar 13 11:40:00 2019 -0700

    Make TestRestTemplate withBasicAuth fault tolerant

    It's part of TestRestTemplate's contract that it's fault tolerant. This
    commit aligns the behavior of `withBasicAuth` with that expectation.

    Closes gh-15780

commit e8cd75bbda80fbec3d5b35aee24d06a3e43a4b8
Author  Madhura Bhave <mbhave@pivotal.io>
Date:    Tue Mar 12 17:30:00 2019 -0700

    Enable git remote linking automatically on CF

    Closes gh-13586

commit d93e2ff6230e30ccb5d5b51315062505ff74b6
Author  Madhura Bhave <mbhave@pivotal.io>
Date:    Mon Mar 11 13:52:20 2019 -0700

    DefaultProperties profiles shouldn't take precedence over config files

    Fixes gh-15445

commit 7cc580d43e57354f86be56a5f50b2496124c358
Author  Madhura Bhave <mbhave@pivotal.io>
Date:    Wed Mar 6 13:24:34 2019 +0100
:
```

git log --grep="critical"

```
$ git log --grep="critical"
commit 933f0bbca8fcac8fb1b0646cd3558c8cd0d42247
Author: Sebastien Deleuze <sdeleuze@pivotal.io>
Date:    Mon Apr 30 12:33:14 2018 +0200

    Upgrade to Kotlin 1.2.41

    Includes KT-23973 critical regression fix.

commit d88210f6260b9feebba849b5163ad5d38351de7f
Author: Phillip Webb <pwebb@pivotal.io>
Date:    Wed Nov 4 23:12:26 2015 -0800

    Improve performance with BackgroundPreinitializer

    Add a BackgroundPreinitializer to trigger early initialization in a
    background thread of time consuming tasks. By moving certain
    initialization tasks to background thread and triggering them early
    we can improve the critical path when the application starts. For
    example, Tomcat's MBeanFactory class parses several XML files when
    first loaded. If we trigger the load in a background thread it completes
    before Tomcat actually needs to use it.

    The initial set of initializers included with this commit are:

    - Tomcat MBeanFactory
    - javax.validation
    - Spring's AllEncompassingFormHttpMessageConverter

    See gh-4252
```

git log -p -S "Vector"

```
$ git log -p -S "Vector"
commit 542c3b7c1eb2e5b6343e1a50a127578910354d4d
Author: dreis2211 <christoph.dreis@freenet.de>
Date:   Wed Jan 24 19:01:31 2018 +0100

    Remove usage of Vector collection

    Closes gh-11759

diff --git a/spring-boot-project/spring-boot-actuator/src/test/java/org/springframework/boot/actuate/web/mappings/
MappingsEndpointTests.java b/spring-boot-project/spring-boot-actuator/src/test/java/org/springframework/boot/actuate/web/
mappings/MappingsEndpointTests.java
index b4e5ee304c..59496fdfed 100644
--- a/spring-boot-project/spring-boot-actuator/src/test/java/org/springframework/boot/actuate/web/mappings/
MappingsEndpointTests.java
+++ b/spring-boot-project/spring-boot-actuator/src/test/java/org/springframework/boot/actuate/web/mappings/
MappingsEndpointTests.java
@@ -20,7 +20,6 @@ import java.util.Collection;
 import java.util.Collections;
 import java.util.List;
 import java.util.Map;
-import java.util.Vector;
 import java.util.function.Supplier;

 import javax.servlet.FilterRegistration;
@@ -75,9 +74,9 @@ public class MappingsEndpointTests {
        public void servletWebMappings() {
            ServletContext servletContext = mock(ServletContext.class);
            given(servletContext.getInitParameterNames())
-                           .willReturn(new Vector<String>().elements());
+                           .willReturn(Collections.emptyEnumeration());
            given(servletContext.getAttributeNames())
-                           .willReturn(new Vector<String>().elements());
+                           .willReturn(Collections.emptyEnumeration());
            FilterRegistration filterRegistration = mock(FilterRegistration.class);
            given((Map<String, FilterRegistration>) servletContext.getFilterRegistrations()
                            .willReturn(Collections.singletonMap("testFilter", filterRegistration));
diff --git a/spring-boot-project/spring-boot-autoconfigure/src/test/java/org/springframework/boot/autoconfigure/orm/jpa/
HibernateJpaAutoConfigurationTests.java b/spring-boot-project/spring-boot-autoconfigure/src/test/java/org/springframework/boot/
autoc:
```

Mais detalhes

- https://git-scm.com/docs/git-log

- Scott Chacon and Ben Straub. Pro Git. url: https://git-scm.com/book/en/v2

  - Cap 2.3: https://git-scm.com/book/en/v2/Git-Basics-Viewing-the-Commit-History