



# FrontLine Release Notes

Gatling Corp

Version 1.7.1, 2019-05-14

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## 1.7.1 (2019-05-14)

### FrontLine

#### Fixes

- DEV-347: Tooltip are misplaced in the public reports
- DEV-351: Sub groups are missing from group menu in Requests and groups tab
- DEV-352: Cursor is off in distribution charts after zooming in/out
- DEV-353: Drop RunsBySimulation materialized view
- DEV-357: GCE support doesn't honor proxy config
- DEV-361: Request tab charts become empty when coming back and there's no group
- DEV-366: `frontline.injector.disableKubernetesTrustManager` and set the default value to true
- DEV-367: Drop restart option from frontline launch script
- DEV-369: Log injector crash data with ERROR level

### Gatling 3.1.2

See release note: <https://github.com/gatling/gatling/milestone/87?closed=1>

# 1.7.0 (2019-04-11)

## FrontLine

### Features

- DEV-12: Show which simulations use a given on premises pool
- DEV-116: Don't display disabled percentiles in the summaries
- DEV-130: Provide an installer for installing FrontLine on Amazon Linux 1
- DEV-137: Remove timewindow valid duration
- DEV-166: Reboot FrontLine without rebooting Java process
- DEV-171: When editing a simulation, indicate which step is incorrectly configured
- DEV-172: Custom tags on AWS on demand instance
- DEV-173: Make SSH and HTTP service checks timeouts configurable
- DEV-178: Display an error page with a reload button if FrontLine can't connect to Cassandra
- DEV-227: Filter Security Groups depending on Subnet
- DEV-252: Export run stats into PDF
- DEV-253: Support deploying injectors with K8S/OpenShift
- DEV-259: Compare runs global stats
- DEV-286: Display both subnet id and name in AWS Pool
- DEV-306: Force ec2-user when using our AWS certified AMIs
- DEV-339: Disable surefire in default maven build command

### Fixes

- DEV-21: Fix Public API metrics with space char
- DEV-104: Fix AWS regions sort by name on Chrome
- DEV-125: Fix group dropdown filter
- DEV-136: Meaningful timewindow is not applied on reports
- DEV-142: When querying a run, API should returns the ramp Up/ramp Down of the run, and not of the simulation
- DEV-155: Protect against simulation double start from public API
- DEV-157: Double clicking on a graph doesn't zoom back to everything, but to start & end
- DEV-168: Single quotes are not escaped in migration scripts
- DEV-169: Migration scripts should bind parameters instead of injecting them directly in the CQL query
- DEV-177: Duplicate requests when loading DNS & Injectors tabs

- DEV-179: Incorrect group assertions
- DEV-180: Actual value is missing in assertion messages when it's 0
- DEV-181: Terminating pipeline should happen after persisting run end
- DEV-189: frontline-maven-plugin doesn't delete temporary directory after use
- DEV-193: FrontLine launch scripts blocks Java 11
- DEV-194: FrontLine fails to download S3 object when it's in a folder
- DEV-195: frontline-maven-plugin and sbt-frontline crash when classpath has both file and directory named license
- DEV-228: Don't use original public IP after assigning EIP
- DEV-257: Tag EC2 instances on creation instead of later
- DEV-265: Protect against double simulation launch
- DEV-266: Protect against non alphanumeric chars when filling license key in web interface
- DEV-277: Same simulation gets triggered when starting multiple simulations at the same time from same local repository
- DEV-280: Editing the team of a permission in the user modal doesn't enable the save button
- DEV-301: kill all on-premises cluster nodes on first node crash
- DEV-302: kill -9 stalled injectors if kill -1 didn't suffice
- DEV-304: Invalid homepage redirect when pressing Enter key to save a run comment
- DEV-308: Broken response time distribution linear vs log scales behavior
- DEV-312: Public Report use private summary api instead of the public one
- DEV-314: Stockholm AWS region is missing
- DEV-324: Large y axis labels in charts were truncated
- DEV-334: Fix automatic run cleanup not working
- DEV-337: Don't try to clean up uploaded resources when they couldn't be uploaded in the first place
- DEV-342: Properly flag OpenStack pools in simulation pools panel
- DEV-344: Fix tooltip position in Percentiles Distribution chart

## Gatling 3.1.1

See release note: <https://github.com/gatling/gatling/milestone/85?closed=1>



## 1.6.2 (2019-01-24)



CI plugins must be upgraded to 1.6.2 too.

### FrontLine

#### Features

- 1598: Introduce automatic run clean up
- 1963: Sorts metrics by name in metrics public API
- DEV-117: Recommend increasing scala-maven-plugin Xss to 100M
- DEV-118: Recommend increasing gradle Xss to 100M
- DEV-119: Recommend increasing sbt Xss to 100M
- DEV-120: Make the doc more explicit about AWS marketplace lack of FrontLine repository
- DEV-121: Provide a shell script for CI solutions without plugins, eg Gitlab CI
- DEV-139: Change the /simulations/start system props parameter from an object to an array of objects

#### Fixes

- 1962: Public API should return Double instead of Long for count/s series
- DEV-7: Random 401 error toastr when logging in
- DEV-8: Don't display any 404 errors when unauthenticated
- DEV-9: Don't allow team members to edit run comment and launch simulation
- DEV-16: In the simulation modal, a user shouldn't be able to see teams he's not a member of
- DEV-17: In the simulations table, a user shouldn't be able to select simulations belonging to teams he's not a member of
- DEV-18: Don't hardcode Stats fetching timeout
- DEV-22: Some public API endpoints are not secured
- DEV-49: Optimize simulations page Cassandra usage
- DEV-50: Use a dedicated thread pool for blocking tasks
- DEV-100: AWS Elastic IPs are assigned based on original list and not against available ones
- DEV-102: Don't create a new Timer every time we use Futures#after
- DEV-105: AMI toggle should be disabled if the region is not selected
- DEV-122: Summaries requests in Public API fails if done just after the run is injecting
- DEV-123: Explicit dependencies shared with gatling-recorder and gatling-charts ClassNotFoundException
- DEV-124: Pipeline's run status check timer is never cancelled and cause CQL queries bombs

- DEV-131: requestsPerSec assertion doesn't work in FrontLine
- DEV-132: FrontLine assertions don't honor time window
- DEV-133: Rps is incorrect in request summary when MeaningfulTimeWindow in non empty
- DEV-140: Sigar is not properly loaded on JDK10+
- DEV-143: Js crash in AWS pool modal when a subnet is incorrect
- DEV-144: Crash when writing JUnit XML file while pipeline runs on a slave
- DEV-145: Incorrect Jenkins pipeline syntax in documentation samples
- DEV-147: NPE when Jenkins plugin hits an IOException without a cause
- DEV-149: CI plugins don't cancel timer when run is aborted
- DEV-150: CI plugins send incorrect from in metrics query
- DEV-151: CI plugins should mention concurrent users, not active users
- DEV-152: Rename last dashboard occurrences into reports
- DEV-153: Request body JSON parsing failure causes response to never be sent
- DEV-154: Summary is empty if we select everything while run is injecting
- DEV-156: Can't edit team from specific to global in on-premises pool modal
- DEV-158: OpenStack pool table js crash when non-empty
- DEV-159: LDAP search user validation crashes on some LDAP implementations
- DEV-162: Use new /simulations/start endpoint in Jenkins plugin
- DEV-163: Public reports don't work in the presence of comments
- DEV-164: js error when clicking in Summary and there's no group
- DEV-165: Delete sample tmp file on JVM exit

## Gatling 3.0.3

See release note: <https://github.com/gatling/gatling/milestone/84?closed=1>

# 1.6.1 (2018-12-20)

## FrontLine

### Features

- 1915: Sort dropdown lists alphabetically
- 1924: More user friendly error on malformed frontline.conf file
- 1933: In create simulation modal, only highlight until current step
- 1950: Document that we don't support password-protected key pairs
- 1957: Clean up JVM parameters and increase default max heap size

### Fixes

- 1909: Don't let user delete a pool as long as it's being used by a simulation
- 1910: Updating profile (first name, last name, mail address) doesn't update local storage
- 1911: Double totals should be rounded up instead of displaying very large number of decimals
- 1912: Simulations table crash when adding a simulation with a newly created team
- 1913: When creating on-premises host, use config option for ssh connect timeout instead of hard coded value
- 1914: Serve FrontLine documentation from gatling.io website
- 1916: Wrong chart width init when run is ongoing with greater resolution
- 1921: Remove the 401 - Unauthorized toaster when landing on the login page
- 1923: Grafana/Public API: Invalid teamId and id serialization
- 1927: Crash when setting up an invalid license key
- 1934: Impossible to edit existing simulations once license limit is reached
- 1938: In setup mode, setting an invalid license displays it's correct
- 1939: JavaScript error when clicking on browser back/previous when on the ShowListModal
- 1940: Fix ShowListModal icons order and plural
- 1943: Stop checking private IP in AWS Marketplace mode as it can throw an exception
- 1949: JavaScript error after deleting all the simulations
- 1951: NPE when saving an AWS Pool with a public key instead of a private one
- 1952: Don't hardcode displayed frontline.conf path as it might not be /opt/frontline for on-prem customers
- 1953: No error toastr when configuring an invalid license in the web interface
- 1955: Incorrect AWS JSON permissions documentation
- 1958: Bug displaying second on tooltip

- 1959: Display proper error message when entering an expired License key
- 1961: Fix Simulation modal save not working when no pool is defined

## Gatling 3.0.2

See release note: <https://github.com/gatling/gatling/milestone/81?closed=1>

# 1.6.0 (2018-11-22)

## FrontLine



Beware of the breaking change introduced in #1844 in the public REST API:

- 1844: The params start & end in the /series endpoint are renamed to from & to, defaulting to the start & end of the injection. The from & to params in the /summaries/requests endpoint are now timestamps (they were previously an offset compared to the start of the injection), defaulting to the start & end of the injection.

## Features

- 1438: Provide downloadable maven, gradle and sbt samples
- 1483: Display related simulations when deleting a pool
- 1599: Pass parameters from Jenkins to simulation
- 1651: Add buttons to copy TeamId, SimulationId and RunId into clipboard
- 1698: Support running FrontLine with Java 11
- 1719: Make users use standard Gatling OSS binaries
- 1720: Make Esc key close Edit Simulation
- 1786: LDAP: validate that we can bind with search user on start up
- 1787: LDAP: validate that we can search with search user on start up
- 1807: Interactive initial setup
- 1812: Update Swagger UI
- 1822: Provide a way to log CQL requests, see logback.xml
- 1845: The param scope in the /series API endpoint is now optional, defaulting to all
- 1862: Support setting a proxy for public clouds HTTP requests (API, injectors)
- 1871: Support deploying fatjars that are already compiled and published in a S3 bucket
- 1877: Document how to deal with JNA crash when FrontLine's temp dir is mounted with noexec
- 1891: Support GCP JSON file based auth
- 1896: Display number of attached pool / user / simulation to a team
- 1895: Provide certified AWS AMIs for OpenJDK8 and OpenJDK11

## Fixes

- 1596: Long names (request, group) break layout, eg in dropdown menus
- 1622: High CPU usage in browser on trends when a run is ongoing
- 1666: Support large number of scenarios in simulation
- 1868: Limit the number of concurrent Cassandra requests

- 1884: Simulation JVM args should have precedence over global ones
- 1888: Fix PID file deletion race condition when rebooting
- 1890: Fix stacktrace formatting in run logs
- 1904: Fix check on SSH keys permissions
- 1905: Kill injector process as soon as all stats have been collected

## Gatling 3.0.1.1.FL



We now recommend you use latest Gatling OSS binaries (3.0.1 at the time of this release) instead of Gatling internal ones. Please check the maven/sbt/gradle sections in the User Guide and the downloadable samples for how to update your build configuration.

Please check Gatling's: \* link: [migration guide](#) for hwo to upgrade. Most noticeable change for users coming from 1.4.7 is the case change of some DSL methods, eg `baseURL` becomes `baseUrL`.

# 1.5.0

Internal release for AWS Marketplace

## 1.4.7 (2018-10-09)

### FrontLine

#### Features

- 1864: Ship aws-java-sdk-sts so assume role works out of the box

#### Fixes

- 1746: Report max concurrent count for given second, not value at measure time
- 1836: Fix Swagger documentation
- 1847: Concurrent counts are logged as 0 when not updated during this second
- 1851: Extra null/None in run snapshot jvmProperties when triggering from API
- 1863: On premises hosts are not properly reserved

### Gatling 3.0.0-M21.FL

#### Fixes

- [3553](#): JsonPath shouldn't escape solidus
- [3554](#): Simulation folder points to resources one when launching Recorder from bundle



## 1.4.6 (2018-08-28)

### FrontLine

#### Fixes

- 1789: AWS EIP are not properly reserved and instances are not terminated when association crashes
- 1799: Don't trigger sbt interactive mode when project fails to load
- 1803: Protect against empty second stats
- 1815: FrontLine Jenkins plugin swallows Exceptions
- 1820: Kernel in (4.0, 4.9) don't get detected as supporting Netlink

## 1.4.5 (2018-07-13)

### FrontLine

#### Features

- 1784: Add an option for preferring private IPs for connection to on-demand AWS instances

#### Fixes

- 1777: Fix Aws Instance Profile Name input not being optional
- 1779: trustStore shouldn't be mandatory in the LDAP configuration
- 1780: objectClass shouldn't be mandatory in the LDAP configuration
- 1785: Allow booting from an empty keypace
- 1788: Don't try assigning elastic IPs when list is empty

### Gatling 3.0.0-M20.FL

#### Features

- [3105](#): Let users pass a custom check name
- [3408](#): Make actor system shutdown timeout configurable
- [3443](#): Result folder timestamp with sortable format
- [3476](#): Make checks with lots of possible actual values less verbose
- [3486](#): Make ConsoleDataWriter write interval configurable
- [3493](#): Maven plugin (3.0.0-M4): Support ant patterns in includes/excludes
- [3494](#): Have currentLocation expose url with fragment

#### Fixes

- [3473](#): Support single entry zip archives
- [3482](#): Fix http.perUserCacheMaxCapacity when set to 0
- [3485](#): Fix RampRateOpenInjection that wasn't always injecting the proper number
- [3487](#): Properly log response time when request crashes
- [3495](#): Maven plugin (3.0.0-M5): Properly honor zinc JVM args defaults

## 1.4.4 (2018-06-06)

### FrontLine

#### Features

- 1703: Option to specify profile name for on-demand AWS EC2 instances

#### Fixes

- 1696: Re-implement LDAP integration w/ bare JNDI instead of ldaptive
- 1700: FrontLine over HTTPS only works with on-the-fly self-signed certificate
- 1701: Make run log less verbose when running large clusters
- 1705: Stats can be incomplete when run is aborted

### Gatling 3.0.0-M19.FL

#### Features

- 3445: JMS listener thread count can be configured

#### Fixes

- 3468: Protect against division by 0 when computing assertions with no requests

## 1.4.3 (2018-03-30)

### FrontLine

#### Features

- 1676: Make sure to log selector rebuilt in `io.netty.channel.nio.NioEventLoop`
- 1687: Use ISO8601 format for log timestamps

#### Fixes

- 1677: Concurrent LDAP connection usage
- 1678: Phantom EC2 instances when describe API crashes
- 1679: FrontLine launch script doesn't properly honor `JAVA_HOME` envvar
- 1680: LDAP search doesn't account for `usernameAttribute` conf
- 1681: Make dashboard login errors more verbose
- 1682: Support LDAP referrals
- 1683: Stop validating all users against LDAP server for performance reasons
- 1684: Make username handling case insensitive like in LDAP
- 1686: `RemotelyClosedException` because of injector not sending response to kill order

### Gatling 3.0.0-M18.FL

#### Features

- [3436](#): Switch from Boon to Jodd as default JSON parser

#### Fixes

- [3437](#): Warmup request should set `Connection` header to close

## 1.4.2 (2018-03-08)

### FrontLine

#### Fixes

- 1668: Terminate injector JVM on abort instead of letting timeout on on-premises instances
- 1671: Disable TCP connection by state monitoring when Netlink doesn't work properly on Linux < 3.10
- 1673: Grafana API causes 403 on public dashboards

### Gatling 3.0.0-M17.FL

#### Fixes

- [3426](#): Ensure internal char buffer capacity when decoding SSE
- [3428](#): Tracker Destination can be specified independent from replyTo Destination
- [3432](#): Don't wait for users to end if workloads are done
- [3433](#): HAR postData's mimeType is not mandatory
- [3434](#): Rename Recorder "bodies" option into "resources"
- [3435](#): Rename Recorder "outputFolder" option into "simulationsFolder"

# 1.4.1 (2018-02-22)

## FrontLine

### New Features

- 1664: Support setting credentials on Cassandra connection

### Fixes

- 1660: Wrong allowed character for dash in pool names
- 1663: Run duration offset error after forced abort on max run duration (4 days)

## Gatling 3.0.0-M16.FL

### Fixes

- [3423](#): Make inject overloads not ambiguous for the compiler
- Upgrade Netty 4.1.22 to fix [SSL handshake failure issue](#)

# 1.4.0 (2018-02-07)

## FrontLine

### New Features

- 1496: Introduce Grafana links
- 1607: Let API tokens be scoped on all teams (\*)
- 1632: Expose run timestamps, comments and snapshot in API
- 1633: Provide an API to fetch simulations by team
- 1636: Upgrade CI plugins to use Java 8 and AHC 2
- 1641: Provide an abortAll API that aborts all ongoing runs
- 1646: Don't bother clean up on-demand instances
- 1648: Add swagger parameters description
- 1654: Don't allow deleting teams if they're attached to simulations/users/tokens/pools
- 1656: Introduce built-in MQTT support

### Fixes

- 1410: Fix Openstack client leaks
- 1411: Azure clients might create lots of threads
- 1512: Fix browser url issues
- 1550: Line feeds are lost when displaying injector logs in deployment logs (after a crash)
- 1565: Front-end doesn't handle pool API calls failure gracefully
- 1634: Only allow safe chars in pool names
- 1635: Properly report actual exception in CI plugins
- 1639: Don't let run exceed max supported duration
- 1647: Honor injector termination status
- 1650: Properly escape characters when generating frontLine links in CI plugins
- 1655: Fix concurrent users and connections computation
- 1657: Fix ghost EC2 instances caused by tag API being called too early

## Gatling 3.0.0-M15.FL



Beware of the breaking changes introduced in #3398 and #3417! Also note that the feeder `batched` option was renamed into `batch` for consistency.

## New Features

- [1647](#): Introduce closed workload model support
- [1744](#): Introduce SOCKS proxies support
- [3123](#): JMS: Make queue names dynamic
- [3195](#): JsonFilters should deep copy to Scala types
- [3383](#): Replace Jackson CSV parser with SimpleFlatMapper + drop escape
- [3384](#): Introduce `readRecords` for reading all records from a file feeder
- [3393](#): Enable `maxRedirects` by default
- [3395](#): Automatically parse String values stored in Session into expected type, eg a "42" String can be converted into an Int
- [3398](#): Drop `bodies` and `data` directories.
- [3399](#): Support compressed feeder files
- [3412](#): Introduce `asyncDnsNameResolution` that enables Netty based resolver instead of Java's one
- [3415](#): Support overriding Gatling conf file name
- [3417](#): Drop `extraInfoExtractor`
- [3418](#): Expose AHC's `filterInsecureCipherSuites` in `gatling.conf`

## Fixes

- [3386](#): Fix group stats when there's a redirect
- [3390](#): Fix Recorder HTTP headers case handling
- [3392](#): Align `Session.as[T]` behavior with `asOption[T]` and `validate[T]`
- [3394](#): Fix typo in `gatling.bat`
- [3402](#): Disable implicit Validation lifting in DSL when calling `map/flatMap`
- [3404](#): Websocket logging unexpected message causes report generation crash
- [3411](#): Workaround for JVM `FileSystems.getDefault` deadlock issue
- [3414](#): Fix reports generation when requests have groups that don't have group records



## 1.3.3 (2018-01-19)

### FrontLine

#### Fixes

- 1629: Failed requests can be accounted in successful ones
- 1630: AWS key pair fingerprint validation fails when key is imported
- 1642: Properly head JVM crash log instead of tail

## 1.3.2 (2017-12-04)

### FrontLine

#### New Features

- 1616: head JVM crash log instead of tail
- 1618: increase build timeout to cope with initial empty maven/ivy2 cache on low bandwidth

#### Fixes

- 1358: Replace Sigar's netstat that can core dump under load with own ss-like native implementation
- 1613: Invalid error status when fetching sources fails
- 1615: ArrayOutOfBoundsException when tailing empty log file
- 1626: Missing stats when lots for different (scenario, group, request) tuples

## Gatling 3.0.0-M14.FL

#### New Features

- [3381](#): Add support for secure cookies in addCookie and getCookie
- [3383](#): Replace Jackson CSV parser with SimpleFlatMapper + drop escape
- [3384](#): Introduce a feature for reading feeder records
- [3392](#): Align Session.as[T] behavior with asOption[T] and validate[T]
- [3393](#): Set an effective maxRedirects default value

#### Fixes

- [3371](#): Cache doesn't update when key already exists
- [3386](#): Don't pile up updates when redirecting and request is not a resource
- [3388](#): Don't ignore trailing headers
- [3394](#): Fix typo in compiler classpath in gatling.bat

## Gatling Maven Plugin 3.0.0-M2

#### Fixes

- Plugin wasn't honoring additional repositories when downloading gatling-compiler

# 1.3.1.1 (2017-11-07)

## FrontLine



FrontLine 1.3.0 required at least Cassandra 3.10 for fix for issue 1563 to work (cleaning up ghost run data). FrontLine 1.3.1.1 relaxes this requirement. When upgrading from a version older than 1.3.0, migration clean up script will be ignored if Cassandra is older than 3.10.

### New Features

- 1606: Don't let users trigger Gatling in build command
- 1610: Disable ghost records clean up (#1563) when Cassandra < 3.10

### Fixes

- 1601: Don't uncompress shared libraries in tmp
- 1604: Fix Grafana datasource installation guide (wasn't working with Grafana 4.6).
- 1608: Document that FrontLine 1.3.0 requires Cassandra 3.10+

## 1.3.1 (2017-10-30)

### FrontLine

#### New Features

- 1589: Support specifying working directory for on-premises hosts

#### Fixes

- 1568: Reloading dashboard loses dropdown menu \* selection
- 1579: Zooming triggers Injector tab reloading
- 1582: Request drop down menu is empty after switching back from summary
- 1585: Injector logback conf file is looked for in TMP\_DIR instead of /tmp
- 1590: Filter requests and groups when selecting a scenario in a summary
- 1591: Fix summary/graphs button switch
- 1595: MappingException when creating a new AWS pool

## Gatling 3.0.0-M13.FL

#### New Features

- [3359](#): Support running Gatling on JDK 9
- [3365](#): Disable CSV escaping by default

#### Fixes

- [3296](#): Fix jsonStringify() to properly escape all required cases
- [3363](#): Reduce LogFileDataWriter allocations
- [3366](#): Fix entry.time toLong conversion in Recorder HAR conversion
- [3367](#): Fix protected values handling in Recorder HAR conversion

## 1.3.0 (2017-10-04)



Beware that because of Zinc 1.0 upgrade, maven users have to upgrade to gatling-maven-plugin 3.0.0-M1.



FrontLine now requires at least Cassandra 3.10 (see [CASSANDRA-11031](#)), see issue 1563.

## FrontLine

### New Features

- 1457: Add an architecture schema in Installation Guide
- 1537: Duplicate simulation
- 1562: More convenient way to "delete" first custom Simulation System property

### Fixes

- 1555: Wait for simulation to be instantiated before spawning injector HTTP server. Sometimes, instantiation can take a while, eg loading large feeder, and could cause simulation boot to timeout.
- 1556: Increase FrontLine heap size to 1GB
- 1557: Reduce timeseries memory footprint and occupancy
- 1559: Timeseries hover values are off when using "Multiple Highlights"
- 1563: Not all data was deleted from Cassandra when deleting a run
- 1564: First time sort order in summaries should be descending, not ascending
- 1567: Flush native process stdout on timeout so we can detect that it was waiting on stdin, eg sbt configuration failure
- 1569 Fix long Simulation name display
- 1570: Fix CSS in runs history pagination
- 1571: Throttle Cassandra queries when persisting stats for a huge number of requests
- 1573: Fix navbar when Simulation name is too long
- 1575: Don't report failed connection attempts as open connections

## Gatling 3.0.0-M12.FL

### New Features

- [2602](#): Introduce batched CSV feeders. "batched" option (to be placed first) can now be used to not load the full file in memory.

- [3349](#): Upgrade to Zinc 1.0.

## **Gatling Maven Plugin 3.0.0-M1**

- Compatibility with Gatling 3.0.0-M12.FL. Upgrade required.

# 1.3.0-M9 (2017-09-06)

## FrontLine

### Fixes

- 1548: Simulation JVM options should have precedence over global ones
- 1549: Wrong file fetched on injector JVM crash
- 1552: Possible run crash when injectors can't start at the exact same time (eg very large feeder file)
- 1553: Fix simulation class name validation

# 1.3.0-M8 (2017-09-04)

## FrontLine

### New Features

- 1513: Support assigning static IP on AWS on-demand instances
- 1520: Improve error message when trying to create a pool with an existing name
- 1531: Missing Simulation name and Run number in public dashboard
- 1534: Don't copy System properties whose name starts with "sensitive." in RunSnapshot
- 1544: Fetch sources prior to trying to deploy pools

### Fixes

- 1516: Fix summary links
- 1525: Fix maven 3.5 logs coloration
- 1530: Fix Simulation modal hidden behind collapsed menu
- 1452: Be more resilient on temporary connectivity loss with injectors
- 1526: Fix simulation loading crash reporting
- 1541: Fix deployment pipeline timeouts
- 1542: Native process handler buffer might not be flushed
- 1547: Fix dashboard displayed url parameter, eg public links

## Gatling 3.0.0-M11.FL

### New Features

- [link:https://github.com/gatling/gatling/issues/3341](https://github.com/gatling/gatling/issues/3341): Add `isNull` and `notNull` validators for dealing with null

### Fixes

- `Ws2#wsName` should return a `Ws2`, not a `Ws`
- [3328](#): Drop `ByteArrayBody` custom factory that takes a `String`
- [3329](#): Form check should select first option by default if none are selected
- [3330](#): Form check should capture textarea even though content is empty
- [3332](#): Recorder: Filter out empty content-length headers
- Fix DNS resolution when combining aliases and `perUserNameResolution`



# 1.3.0-M7 (2017-06-29)

## FrontLine

### New Features

- 1508: Validate all AWS pool data
- 1519: Validate secret key length on start up
- 1523: Validate Gatling version used in deployed projects

### Fixes

- 1510: Handle exceptions thrown by Cassandra
- 1511: Throttle the number of concurrent Cassandra requests in summaries
- 1524: Properly close injector HTTP server socket

## Gatling 3.0.0-M10.FL

### New Features

- [3007](#): Provide strategies for naming inferred resources
- [3324](#): Add built-in for OAuth1
- [3325](#): Use insecure TrustManager by default

### Fixes

- [3320](#): HttpRequestBuilder#form should take Expression[Map[String, Any]]
- [3321](#): Ignore Akka exceptions caused by ActorSystem aggressive shutdown
- [3322](#): Mention required imports for special feeders
- [3314](#): Properly escape backslashes in request names
- [3326](#): Fix AddCookie request/cookie domain handling

# 1.3.0-M6 (2017-06-15)

## FrontLine

### New Features

- 1451: Public Dashboard Links
- 1495: Sort injectors alphabetically
- 1499: Add DNS resolution counts chart

### Fixes

- 1473: Add run API missing Swagger documentation
- 1474: Simulation System properties reactive design issue
- 1475: FrontLine doesn't honor current scheme (some places have http hardcoded)
- 1485: Don't crash when querying injectors with a deleted pool
- 1486: Run injector process doesn't exit on Local pool on Linux
- 1490: Fix OpenStack Guava version conflict
- 1489: Pool name is missing from injector name (Injector tab) when there's only one pool
- 1491: Grafana datasource crashes on empty groups
- 1492: Grafana datasource doesn't work in proxy mode
- 1493: Grafana dashboard sample max response time doesn't account for scope variable
- 1494: Public API series for "all" scope are empty when there is no KO
- 1502: Don't log a stacktrace when JVM crash log doesn't exist
- 1503: Report nohup stdout and stderr on injector crash
- 1507: Don't lose last stats record when clustered injectors don't terminate at the same time

## Gatling 3.0.0-M9.FL

### Fixes

- [3023](#): Don't generate very long Strings that could exceed String literals max size
- [3299](#): Use LAX cookie encoder so Gatling doesn't choke on invalid cookies as per RFC6265
- [3303](#): `form` check should only capture checked radio inputs
- [3311](#): Don't capture actionable HTML form inputs (submit, button and such)
- [3312](#): Don't use main transaction redirect count for resources
- [3313](#): Form check should extract String or Seq[String] depending on cardinality
- [3316](#): Properly propagate when WebSocket connect sequence doesn't have a check

# 1.3.0-M5 (2017-05-18)

## FrontLine



`frontline-api.conf` file should be renamed into `frontline.conf`.

### New Features

- 1449: Filter out non alphanumeric characters from provide license key
- 1450: Check built packages contains configured simulation before deploying
- 1455: Make local pool a public option (not for prod)
- 1453: Support passing a relative path when Gatling project is not the repository's root

### Fixes

- 1327: Report route cause (thread dump, error logs) when injector crash while running
- 1458: Fix injector crash on start up reporting
- 1459: Fix injector start crash ack timeout
- 1463: Scenario\* aggregates can be missing when all injectors don't play the same scenarios
- 1466: Fix NullPointerException when AWS EC2 instance doesn't have a public IP
- 1467: Fix exceeding Cassandra batch threshold error
- 1468: Fix dashboard when all requests crash on build
- 1471: Don't try to save nor start a simulation whose pools are all empty

## Gatling 3.0.0-M8.FL

### New Features

- [3283](#): Loop as long as with duration limit
- [3285](#): Drop mute option, Gatling is now automatically mute when simulation class is passed as an input parameter
- [3286](#): Drop user defined simulationId, wasn't used

### Fixes

- [3284](#): Don't fallback to interactive mode when user provided simulation is invalid
- Instead of returning an empty body, always replace unmappable bytes when decoding UTF-8

# 1.3.0-M4 (2017-03-20)

## FrontLine

### Migrating from 1.2

- FrontLine 1.3.0-M4 is compatible only with Gatling 3.0.0-M6.FL. You have to update the Gatling version that you might be referencing in your build, e.g. maven pom.xml.
- FrontLine is now one single component. Collector has been dropped and you can safely remove it.
- Injector monitoring is disabled by default. One can enable it by setting `gatling.frontline.enableNativeMonitoring` to `true` in Simulation System properties.

### New Features

- 1381: Infer AWS profiles from credentials file
- 1384: Predefined build commands for maven, sbt and gradle
- 1397: Pool can now be "Global" so they can be used by any team
- 1399: Improve injector name in "Injector" tab menu
- 1413: Validate AWS private key fingerprint
- 1414: Validate private key files (existence, permissions)

## Gatling 3.0.0-M7.FL

Only internal clean ups.

## Gatling 3.0.0-M6.FL

### New Features

- 2634: new `doWhile` loop whose condition is evaluated after the loop
- 3167: new `getCookie` DSL component for extracting a cookie from the Cookie jar into the Session
- 3262: Support custom properties when building JMS ConnectionFactory from JNDI

### Fixes

- 3252: Recorder now filters unsupported encoding such as Brotli
- 3254: Use dispatcher to bypass pause when engine lags down, fix possible stackoverflow
- 3259: Decode form parameters that are url encoded when importing HAR files
- 3263: Fix denominator of console summary percentage
- 3255: Flush logback appenders on shutdown

# 1.2.0 (2017-02-03)

## FrontLine

### Migrating from 1.1

- Gatling and FrontLine now require Scala 2.12:
- If you've been using Eclipse with ScalaIDE, we advice you switch for now to IntelliJ, as Eclipse toolchain doesn't fully support Scala 2.12 yet.
- You have to update the Scala version that you might be referencing in your build, e.g. maven pom.xml.
- FrontLine 1.2.0 is compatible only with Gatling 3.0.0-M5.FL. You have to update the Gatling version that you might be referencing in your build, e.g. maven pom.xml.
- FrontLine 1.2.0 requires the 1.2.0 version of the CI plugins (Jenkins, TeamCity and Bamboo)

### New Features

- 956: Microsoft Azure cloud support
- 1170: Highlight series on legend hover
- 1171: Make mean timeseries more visible
- 1179: Make GatlingCorp Nexus browsable
- 1221: Launch scripts display process id
- 1238: Support LDAP auth
- 1285: Display FrontLine version in web UI
- 1317: Support configuring AWS credentials from env vars
- 1326: DigitalOcean cloud support
- 1334: Switch between wall clock time and test elapsed time (default)
- 1348: Support JMS

FrontLine now supports plugging on an LDAP(S) directory for authentication and user management.

### Fixes

- 1229: Disable simulations when team loses privileges on pool
- 1237: Reports menu should only offer actual requests for selected group
- 1293: Sort groups with first occurrence in menu
- 1296: Fix potential Collector StackOverflow
- 1297: Fix potential Cassandra connection leak with killing API or Collector
- 1302: Can't grant global team member role when user already has a role on some specific team

- 1311: Trends menu should only offer actual requests for selected group
- 1313: In "Request summary", group level aggregations only account for children instead of all descendants
- 1320: Groups tab menu shouldn't display group \*
- 1321: Groups tab menu shouldn't display group - (none)
- 1339: Teams should not have duplicated name
- 1340: Deleting a team deletes all his simulations instead of un-assigning and disabling them
- 1344: Can't sort simulation runs history by run status
- 8: Fix CI plugins compatibility

## Gatling 3.0.0-M5.FL

### New Features

- [2823](#): More stable recorder
- [2875](#): JMS: Support individual request timeout
- [3028](#): Add Pebble as templating engine
- [3103](#): JMS: Support passing a ConnectionFactory
- [3137](#): JMS: Use async MessageListener instead of blocking receive
- [3184](#): Recorder: Use host/port aware client SSLEngines
- [3221](#): JMS: Rename reqreply into requestReply
- [3230](#): Bypass dynamic resolution and caching for templates with static resources

### Fixes

- [3183](#): Failed requests are logged twice when DEBUG level is enabled
- [3191](#): Fix java.lang.IndexOutOfBoundsException in ByteBufs
- [3192](#): Fix malformed json assertion results file
- [3197](#): Core: Group is considered as OK even if no transaction was built
- [3175](#): JMS: Report JMS message building failures as errors
- [3203](#): Between assertion fails on valid data
- [3204](#): Core: meanRequestsPerSec assertion actual value gets rounded up
- [3205](#): Load gap with usersPerSecond rate below 1
- [3215](#): App: Don't add -server option when running on 32bits Windows
- [3220](#): Reports: Fix active users time series x axis
- [3222](#): JMS Tracker should register requests before request gets sent
- [3223](#): Core: Use dispatcher instead of scheduler to protect against spins

- [3224](#): App: Catch ActorSystem termination timeout
- [3225](#): JMS: Close Send's JmsClient

## 1.1.1 (2016-11-09)

- 1213: A team manager shouldn't be able to manage other teams he's only a member of
- 1215: Dashboard is not properly updated is dashboard when an admin self updates
- 1216: Provide commented config files, just like in Gatling
- 1219: Don't display dashboad link when build is broken
- 1222: Provide an error message when trying to use a JDK != 8
- 1223: Jenkins plugin can't fetch run info
- 1227: Missing from 1.1.0: Cassandra config format was changed to support changing
- 1231: Requests per second are not properly rounded up in summary table
- 1233: require a minimum password length
- 1234: Local pools option shouldn't be available
- 1244: UTF-8 decoding issues
- 1245: Gatling 2.2.3 compatibility
- 1249: Assertions sometimes don't take last stats into account



# 1.1.0 (2016-10-27)

## Migrating from 1.1.0-M2

- If you use the `maven-shade-plugin`, the properties `createDependencyReducedPom` and `shadedArtifactAttached` must be respectively set to `false` and `true`.
- This version introduces a migration system, make sure to have a backup of your Cassandra ``data`` directory before upgrading.
- Architecture changes: injectors now ship a HTTP server the Collector must be able to reach. Default port is 9999.

Please check Installation and User Guides.

## New Features

- 220: Introduce Users, Teams, and Access Control List (ACL)
- 274: A warm up and ramp down periods can be configured
- 631: Comments can be added to a run
- 805: Create a run snapshot
- 816: Add gradle support
- 816: Support multi-module projects
- 966: Add route for CI live metrics
- 980: Group Summary: switch between cumulated response time and duration
- 992: Persist pins in are now fully persisted in Cassandra
- 999: ACL can be configured for each API Token
- 1004: Cassandra port can be customized
- 1010: Introduce schema migration scripts
- 1037: Support white space in system properties of simulations
- 1039: Split JVM and System Properties into a key/value input list
- 1047: Only show errors that have a count > 0 in error chart tooltip
- 1070: Remove password auth. support for on premises hosts
- 1098: Fully redesigned navigation
- 1138: Ability to launch new run from dashboard
- 1140: Ability to launch new run from trends
- 1163: Group duration is not promoted as default/top instead of cumulated rt
- 1164: User can now configure displayed percentiles
- 1183: Grafana samples update

## Fixes

- 1048: Change limit of runs by page in runs table not working
- 1053: Collector and API launch scripts don't honor JAVA\_HOME
- 1054: Injectors remote launching doesn't honor JAVA\_HOME
- 1060: NPE on retrieving security groups if profile is not valid
- 1063: Can't grab in timeline with lower resolution
- 1074: AWS, and GCE pools should retrieve region and instance type programmatically
- 1095: In Injector Tab, display Injector hostname instead of number
- 1106: Make sure injectors are actually stopped after killing run before letting start another one
- 1117: It shouldn't be possible to delete a simulation with an ongoing run
- 1120: Run error message is now displayed
- 1133: Host certificate path doesn't resolve the user home character
- 1137: Ongoing dashboard should display current duration

# 1.1.0-M2 (2016-08-19)

## New Features

- 114: New Grafana data source (see updated installation and user guides)
- 276: New Jenkins plugin (see updated installation and user guides)
- 887: New Bamboo plugin (see updated installation and user guides)
- 957: Support exposing dashboard over HTTPS (see updated installation guide)
- 972: Stop ongoing simulations from Simulations page

## Fixes

- 959: On-demands instances are not closed when building the simulation fails
- 960: (group = "", request = \*) aggregate is missing
- 974: Disable starting a simulation when it's already running
- 976: Requests and Responses per sec trend hover doesn't properly display request and response information
- 977: Simulation build directories should be cleaned up after run
- 978: Fix count sums (summary, assertions)
- 979: Fix a race condition where some events might not be recorded at high throughput
- 985: Fix maven project deployment when dependencies and simulations are in test scope (see updated installation guide)