



# VILT Minium Manager

## Release Notes

Version 2.4



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## 1. Introduction

These Release Notes provide an overview of Minium Manager 2.4 including new features, delivery information, and supported platforms. VILT recommends that you read these Release Notes in conjunction with the documentation included with the software package. If any conflicts exist, the Release Notes supersede the other documentation.

### 1.1. Release Notes Revision History

Release Version	Release Date
1.6.0	27/04/2017
1.7.0	19/05/2017
1.8.0	11/08/2017
1.9.0	26/01/2018
1.9.1	26/03/2018
1.9.2	15/05/2018
1.9.3	20/07/2018
1.9.4	17/09/2018
1.9.5	01/29/2019
1.9.6	04/22/2019
2.0.0	12/22/2019
2.0.1	04/03/2020
2.1	05/05/2020

## Release 2.3

### Features

- Centralized the Data extraction report configurations.
- Auto refresh the projects page.
- Support Selenium video node as new selenium provider.
- Ability to configure the storage of videos at project level.
- Allow to continue the execution if the SCM credentials fails.
- Separate the projects by type at the data extraction report.

### Fixes

- Remove synchronization of the embeddings hash after the execution is complete.
- Fixed the log level, when the video is missing.
- Update the license mechanism to increase the launch execution performance.
- Fix the svn script that checks if the previous extracted version is the current version at monitoring projects.
- Add background projects at executions page of the monitoring projects.
- Log the error at build sync with jenkins to avoid all synchronization of the projects to break.

## How to upgrade from 2.1

- Update the `tools/jenkins/plugins` directory. If you already have jenkins data, you also need to update `data/jenkins/plugins` (Don't replace the plugin `hp-application-automation-tools-plugin.hpi`).
- Add the property `lacaixa` to the `minium.manager` properties to configure the lacaixa environment at `application-prod.yml`. This property allows to configure the feature "Allow to continue the execution if the SCM credentials fails" with the property `allow-scm-error`, and the project types available at the data extraction report with the property `data-extraction-report-types`.

## Release 2.1

same as 2.0.2

### Fixes

- Add fonts to fix the pdf crawler reports

## Release 2.0.2

### Features

- Ability to show/hide types of projects.
- Send email when the scm credentials are invalid ou incorrect.
- Separate the number of passed and failed executions to save at project configurations.
- Add a table in the body of the email "Data Extraction report" with a summary.
- Allow sending PDF reports with screenshots in the project execution report email.
- When a "Cookie Report" project is associated with "Cookie Crawler", the pdf and excel reports will have the information of the last execution of the "Cookie Report" project attached.

### Fixes

- Fix Cucumber tags at monitoring and minium cookies.
- Fix screenshots at reports.
- Fix project update that removed the schedule.
- Fix create project button permissions.
- Fix delete project when is in a data extraction report.

### How to upgrade from 2.0.1

- Update the `tools/pdf-generator/report-resources` directory.
- Add the property `project-types` to the `minium.manager` properties with the type of projects you need at `application-prod.yml`
- Remove `error-patterns` form `jenkins` properties and add it to `minium.manager` properties as list of type and patterns at `application-prod.yml`.
- Raise the property `jsdelay` to 1500 or 2000 in order to process the big cookie crawler reports

## Release 2.0.1

### Features

- Cookies - two custom Minium Projects that generates a report with all browser cookies found during the navigation or crawl of a website.

### How to upgrade from 2.0.0

- To use the monitoring feature, update the archive `pom.xml` of the Minium Projects to use the version `2.0.1` of `minium-cucumber-parent`.
- Add and configure the Multi-Project Throttle Categories "cookie-projects" at jenkins.
- Generate and copy the `node_modules` to the jenkins agent. Also, update the jar `tools/lib/minium-core-extensions.jar` and copy it to the jenkins agent.
- Update the `tools/jenkins/plugins` directory. If you already have jenkins data, you also need to update `data/jenkins/plugins` (Don't replace the plugin `hp-application-automation-tools-plugin.hpi`).
- Configure the environment variables `MINIUM_COOKIES_CLASSPATH` and `NODE_PATH` at jenkins agent
- Rename the property `agentsLabel` to `agents-monitoring-label` and configure the property `agents-crawler-label` at `application-prod.yml`.
- Update the `tools/pdf-generator/report-resources` directory.

## Release 2.0.0

### Features

- Monitoring - a custom Minium Project that are executed with high frequency (every 5, 10, 20 minutes), and can give us a report about the availability of a certain page and performance metrics, with the objective to check that the page are working as expected.

### How to upgrade from 1.9.6

- To use the monitoring feature, update the archive `pom.xml` of the Minium Projects to use the version `2.0.0` of `minium-cucumber-parent`.
- Add and configure the Multi-Project Throttle Categories "monitoring-projects" at Jenkins.
- Update the `tools/jenkins/plugins` directory. If you already have Jenkins data, you also need to update `data/jenkins/plugins` (Don't replace the plugin `hp-application-automation-tools-plugin.hpi`).
- Configure the property `agentsLabel` at `application-prod.yml`.
- Update the `tools/maven` directory.
- Update the `tools/pdf-generator/report-resources` directory.

## Release 1.9.6

### Features

- Added data extraction report - a custom report (in excel format) with selected projects that will be sent to the specified email addresses configured with the status of the last completed execution, and the project details.

### Improvements

- Improve the error messages at executions for the credentials and modules missing errors.

## How to upgrade from 1.9.5

- If you have the `minium.manager.pdf-generator.additional-args` property in your `application-prod.yml`, update the `application-prod.yml` to use the property's `minium.manager.pdf-generator.additional-settings` and `minium.manager.pdf-generator.additional-settings-object`. The `zoom` property is defined by the property `minium.manager.pdf-generator.additional-settings-object.load.zoomFactor`, and the `javascript-delay` property is defined by the property `minium.manager.pdf-generator.additional-settings-object.load.jsdelay`. You can check the properties for `additional-settings` [here](#) and for `additional-settings-object` [here](#).
- Remove the `minium.manager.pdf-generator.bin-file` property from the `application-prod.yml`. Also, remove the folder `./tools/pdf-generator/wkhtmltopdf` from the bundle.

## Release 1.9.5

### Features

- Support of the user timezone at the schedule daily reports.
- Allow deleting users, when minium manager is not configured with LDAP.
- Warns the user when the user tries to log in with the email address.
- Logging in a separated file.
- The version of `minium-cucumber-parent` defined on the POM of the projects can now be automatically updated. To enable the auto-update, go to the `Runtime` tab on the `Project Configurations` and check the `Update to the latest version` option on the `Minium version` field.
- TestLink integration.

### Fixes

- Fix the project name execution, when the name uses a huge string without spaces.
- Test executions with profiles containing white spaces.
- Pagination on the Labels page.

### Improvements

- Reduced disk space usage.

## How to upgrade from 1.9.4

- Update the `application-prod.yml` property names to use the canonical format (`acme.my-property` and not `acme.myProperty`).
- Add the logging properties at `application-prod.yml` file properties.
- (Optional) Add the file `./tomcat/webapps/jenkins/WEB-INF/classes/logging.properties` to log the jenkins output in a separate file.
- To support the auto-update of `minium-cucumber-parent`, check the `6.6 Minium version auto-update` section of the installation guide.
- For installations that do not have access to the internet, update the Maven repository. The new Maven repository requires the projects to have at least `minium-cucumber-parent 1.9.0` as the parent project.
- Update the active Selenium Grid Extras modules on the hub and nodes.

## Release 1.9.4

### Features

- Sensitive configuration properties that cannot be included on the repository of the tests can now be safely defined on Minium Manager.
- Added daily report - a custom report with selected projects that will be sent to the user email with the status of the last completed execution in the last 24 hours.

### Fixes

- Disappearance of executions with the same browsers from the queue (launched when an execution with the same browsers is executing) for the same project.
- Feature results not being loaded when the name of a `feature` file contained Spanish characters.

## How to upgrade from 1.9.3

- Update the `tools/maven` directory.
- Update the `tools/jenkins/plugins` directory. If you already have jenkins data, you also need to update `data/jenkins/plugins` (Don't replace the plugin `hp-application-automation-tools-plugin.hpi`). Particularly, make sure the Mask Passwords Plugin is installed.
- Replace the package `jenkins.war` at the `tomcat/webapps`.
- To support the configuration of sensitive parameters, it is required to either have at least Java 8u162 installed or install the Java Cryptography Extension (JCE) Unlimited Strength Jurisdiction Policy Files.

## Release 1.9.3

### Features

- REST API:
  - Authentication using project keys.
  - Ability to pass configuration properties.
  - Association of commits to executions.
  - Support for custom browser capabilities.
- Branch configuration (git repositories).
- Resend the activation email at the recovery password, when the user is not activated.
- Automatic discovery of Selenium nodes.

### Fixes

- Critical bug that caused an error when launching executions.

### How to upgrade from 1.9.2

- Remove the `seleniumNodes` list of the providers configured with the type `seleniumgridextras` from the `config/application-prod.yml`. Update the Selenium Grid Extras to the version 2.0.4. Update the configuration file `selenium/hub/hub_4444.json` in order to add the servlet `com.groupon.seleniumgridextras.grid.servlets.ListNodesServlet` to the servlet array list. Finally, configure the file `selenium/hub/selenium_grid_extras_config.json` to set the WebDriver version with the value 3.8.1 or lower.

## Release 1.9.2

### Fixes

- Randomly occurring bug that provoked errors across the whole application.
- Hub failing to provide a session when the requested capabilities contained browser options.
- Creation of users without groups.
- Excessive size of Selenium Hub's logs.

### How to upgrade from 1.9.1

- Copy the `selenium/hub/log4j.properties` file to the `selenium/hub` folder and set the `grid_jvm_options` and `grid_jvm_x_options` properties on the `selenium_grid_extras_config.json` file.
- If it is being used, update the `minium-grid-extensions.jar` file on the Hub.

## Release 1.9.1

### Fixes

- Missing screenshots for executions on multiple browsers.
- Report generation on machines without access to the internet.
- Missing icons on PDF reports.
- Exaggerated disk space usage by H2 databases.

### Improvements

- PDF reports, namely the summary and screenshots.
- Improved the performance at the executions project page.

## How to upgrade from 1.9.0

- Update the `tools/pdf-generator/report-resources` directory.
- If there are problems with PDF reports or if the `minium.manager.pdf-generator.zoom` property was being used, see [PDF reports do not look as expected on 7. Troubleshooting Minium Manager](#).
- It is recommended to update Tomcat to 8.5.

## Release 1.9.0

### Features

- Support more browser capabilities - Configure custom capabilities for your browsers.
- Added advanced browser selection and configurator - New user interface to quickly and easily configure browsers where you want to run your tests.
- Support concurrent executions - By configuring executors for each project, run tests in parallel.
- Configure multiple browser instance providers - Configure external and internal browser instances allowing running tests on private/internal servers or run tests on the cloud.
- Share links of project executions - You can share the link of a specific execution with your team.
- Added configuration to send the email report only when there are test failures.

### Improvements

- Improved UI/UX of project configuration
- Cancel a running execution stops the web driver session.

### How to upgrade from 1.8.0

- Change the configuration of the provider. Providers are now configured through a different property (see 5.2.3. [Multiple providers](#)).
- Remove the configuration properties from the `config/application-webdrivers.yml` file. That file is now only used for configuring additional browser-specific settings (see 6.6. [Additional WebDriver configurations](#)).
- Selenium Grid and the `minium-cucumber-parent` version on the `pom.xml` file of the projects can be upgraded for better compatibility with the latest browser versions, namely Firefox and Internet Explorer. See the [Compatibility](#) section for more details.
  - Configure your node machine that is running the `Internet Explorer WebDriver` to use the US keyboard settings. The action `SendKeys` does not work correctly with non-US keyboard settings for the `Internet Explorer WebDriver`.

### Compatibility

This version was tested for compatibility with:

- Browsers: Chrome 63, Firefox 57 and Internet Explorer 11.
- Selenium Grid:
  - Selenium Grid Extras 2.0.1.
  - Selenium Server 3.8.1.



- WebDrivers: `ChromeDriver 2.34`, `GeckoDriver 0.19.1` and `IE Driver 3.8.0`.
- Minium Core 1.9.0.

## Release 1.8.0

### New Features

- Added progress execution - Visualize the test being executed at the browser during the execution.
- Added cucumber tags - Use this option to tell Minium Manager that only run features or scenarios that have certain tags in a project.
- Added Video Recording - Every test runs on Minium Manager is video recorded exactly as it is executed. This feature is helpful if there are any failures. You can even jump to a given point in the video where your step is failing.

### Improvements

- Improved UI/UX of feature page

### Fixes

- Fixed pagination bug on projects page

### How to upgrade from 1.7.0

- Upgrade the version of `minium-cucumber-parent` to 1.8.0 on the `pom.xml` file of each project.

## Release 1.7.0

### Improvements

- Improved UI/UX
- Improved documentation

### Fixes

- Fixed pagination widget
- Fixed compatibility issues with IE8

## Release 1.6.0

### Features

- LDAP integration
- Added project Permission
- Added Security roles levels
- Organized projects filters with labels and groups
- Added project rename
- REST API - Minium Manager supports the use of REST API to launch test executions.



## Packaging and Documentation

Downloads and documentation for Web Experience Management Motion are available in the OpenText Knowledge Center (<https://knowledge.opentext.com/>).

## Supported Environments and Compatibility

This chapter provides a reference to matrices of the Minium Manager components and configurations tested and validated.

### OS

The following table shows Minium Manager OS support:

OS	Versions	Minium Manager
Linux	Ubuntu 16.04 LTS	✓
MS Windows	Windows 7+	✓

### Databases

The following table shows Minium Manager database support:

Database	Versions	Minium Manager
H2	—	—
MySQL	The minimum supported MySQL version is 5.6.33 Community Server 64 bits	✓

### Java

Minium Manager supports Java 1.8.

### Selenium Grid

Minium Manager uses [Selenium Video Node](#) to run tests in parallel on multiple machines, and to manage different browser versions and browser configurations centrally.

The compatibility of Selenium Grid with OS are:

OS	Versions	Selenium Grid
Linux	Ubuntu 16.04 LTS	✓
MS Windows	Windows 7+	✓

About the web browsers (based on the last versions of the webdrivers), the Selenium Grid supports:

Browser	Versions	Selenium Grid
Firefox	The latest release, the previous release, the latest ESR release and the previous ESR release.	✓
MS Internet Explorer	11	✓
Chrome	Check the <a href="#">release notes</a> to see which version of the webdriver is required to the chrome version installed.	✓

You can check (in more details) the supported platforms at <https://selenium.dev/downloads/>

Other providers are also supported:

- [Selenium Grid Extras](#)
- [BrowserStack](#)

## Selenium Grid - WebDrivers

If you are running the Node in a 32-bit Linux distros machine, you cannot update your Google Chrome web browser to the latest versions (Google drop support for all 32-bit Linux distros in March 2016). The last version of the Google Chrome for the 32-bit Linux distros is 48. So, to continue to perform tests with Google Chrome (version 48) in 32-bit Linux distros, you should use the version 2.21 of the chrome webdriver. For the 64-bit Linux distros, you can update the Google Chrome (64-bit) to the latest version and use the latest chrome webdriver.

About the Firefox, with the release of Firefox 47, the extension based version FirefoxDriver no longer works. If you are using Firefox 46 (or prior versions), you can continue to use the FirefoxDriver. For the Firefox 47, you need to update the Firefox to the latest version and start using use the MarionetteDriver. The other option is to downgrade your version of Firefox (preferably to the Firefox 45 ERS) and continue using the FirefoxDriver. Keep in mind that the FirefoxDriver will be discontinued.

For the Internet Explorer, it is required a MS Windows OS machine.

## Application Servers

The following table shows which Application Servers you can use with Minium Manager system:

Application Server	Versions	Minium Manager
Apache Tomcat	8.x	✓

## Supported Browsers

Minium Manager web application is supported by the following browsers:

1. **Chrome**
2. **Firefox**
3. **IE 9+**

## Language Support

Minium Manager is currently localized in the following languages.

Component	Languages							
	EN	CA	ES	PT	Minium Manager	UI	UI	UI

UI = user interface only

## Contact Information

VILT Portugal  
Rua Ivone Silva, 6 - 7º Esq  
1050-124 Lisboa  
Portugal  
Email: [product.support@vilt-group.com](mailto:product.support@vilt-group.com)  
For more information, visit <https://www.vilt-group.com>