



Release Notes Version 5.0

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1. Introduction

This document contains release information pertaining to the new release of TAF Pro (TestPro Automation Framework). It lists the defects fixed, enhancements made to existing functionality and changes implemented which introduce new functionality and capability to TAF Pro. This document also includes any known issues that exist in TAF Pro and have not been rectified in this release. Each known issue does include a work around where applicable.

Changes to the Release

This document details the addition, changes, and removals since release 4.4.

Release No	Change Summary
5.0	Initial Release Notes (readme)

Scope

The Release Notes cover changes, enhancements and fixes to the TAF Pro Application since TAF 4.4 release. Any existing installations of TAF Pro will be eligible for update with the latest release. This release has database changes since TAF 4.4 release.

The primary changes in this release are:

- ✧ Integrates with pure Java automation test tool, for instance Selenium. Manages test plan, test execution and test data in the same manner as in services to Rational Functional Tester.
- ✧ Continues to support Rational Functional Tester as is, with minor GUI changes in Create Environment window where type (RFT or Java) selection is mandatory.

2. Change Details

This sections details all the new features, dropped features, and fixes applied for the release.

New Features

The following are the new features for the release.

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	<p>Executes pure Java Test Scripts with TAF</p> <p>Using template and API provided by TAF, the Java Test Script can be managed and executed. TAF provides plan management, data management and execution control by means of :</p> <ul style="list-style-type: none"> • User interface provided by TAF installation • Command line interface for batch execution • Execution from popular IDE such as Eclipse, IntelliJ IDEA, jDeveloper and NetBeans • Support for tools such as Selenium, AutoIT and experitest SeeTest • Standalone test script execution for unit testing purpose
	<p>CSV Unit Test Data Support:</p> <p>This feature feeds one line of data to Java Test Script from CSV file in standalone execution mode i.e. doesn't involve TAF execution/data control in unit testing phase.</p>
	<p>New Environment Type</p> <p>The user needs to select Environment Type after specifying environment name & description in Create Environment window. Once an environment is created for a specific type, it can only register and execute scripts of this type. The Environment type cannot be changed after Environment creation.</p>
	<p>HTML log for Java Test Tool Type</p> <p>TAF provides an HTML log on top of the text based logs TestPro.log and TestProTool.log. The HTML log contains information related to execution and captures screen shot at the point of execution failure.</p>
	<p>Checking RFT installation is no longer included in Pre-requisite check.</p>

Release No. 5.0**New rules in Script registration**

An environment can only register scripts that are of its assigned Type. For instance, Java environment can only register Java Test Script; RFT environment can only register RFT script.

For existing RFT clients, the upgrade process will default all existing environments to type to RFT; Administrator/Default environment is changed to ADMIN, no script can be registered in this environment.

Enhancements

The following are the enhancements to existing features for the release.

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N/A

Fixed Issues

The following are the applied fixes for the release.

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N/A

Deleted Issues

The following are features and functions deleted in this release.

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N/A

3. Known Issues, Limitations & Restrictions

Known Issues

The following are the known issues of the release.

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S.No.	Known Issue	Details
	Import Test Suite to Java Environment	This issue applies to Java Environment only. User needs to change the DataStore path in TAF signin detail window from script executables path to script java source path in order to import a Java Test Suite successfully. For Java Test Script execution, DataStore path needs to be changed back to the script executables path.
	Register script in Administrator/Default environment	Administrator environment is for admin purpose only, prior to TAF45 it's highly recommended not to create Test Plan or Execution in this environment. From TAF 5.0, script registration is disabled for this environment. When user registers a script in this environment a popup with an OK button appears stopping the process. This behaviour is expected however the popup window doesn't provide message to inform the user about this rule.
	Java Standalone mode execution: data file is not of CSV format	This applies to Java Test Script running in standalone mode i.e. TAF is not involved in the execution. When scripeter passes in a file path which is not of CSV format, getData() method call returns Null. If scripeter doesn't want to use the CSV file to supply data to the script, call execute() instead of execute("CSV-file-path"). When calling execute(), getData() returns an empty string with message printed to the console.

Limitations and Restrictions

The following are the limitations and restrictions of the release.

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S.No.	Limitation / Restriction	Details
	Import Test Suite between RFT and Java Environment is not allowed	Because an environment doesn't support hybrid script type execution, import Test Suites between Java and RFT environment is not allowed. A File Not Found exception is thrown when illegible import is conducted.

4. Warnings and Caveats

The following are warnings and caveats are applicable to this released version.

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S.No.	Warnings
N/A	

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S.No.	Caveats
N/A	

5. Related Deployment Package and Documents

This section details all the components for this release notes, describes the links and dependencies between components, and the associated documentation to support the deployment of this release.

Related Documentation

This section details all the associated documentation to support the deployment of this release.

S.No.	Document Name
1	TAF Pro User Guide
2	TAF Pro Installation Guide
3	TAF Pro Scripiter Guide
4	TAF Pro Upgrade Guide
5	End User Licence Agreement

Associated Components

This section details all the associated components (including prerequisite packages and associated patches for dependent systems) that will be needed to execute the deployment of this release.

S.No.	Component	Dependencies
1	IBM Rational Functional Tester (Optional)	Required for the underlying Scripting tool on which TAF Pro is built
2	MS Excel	To build datasheets for TAF Pro
3	MS Word Viewer	
4	Java Developer Kit (JDK)	Required for the underlying technology on which TAF Pro is built and will run Command Line Interface capabilities
5	MySQL	MySQL Database
6	SQL Server	For SQLServer databases
7	Ant Apache	Required for underlying technology on which ANT command line execution is built
8	Adobe Reader	required to view all printed matter for TAF Pro, the User Manual, End User License Agreement, Installation Guide and Release Notes
9	Selenium (Optional)	Required for the underlying Scripting tool on which TAF Pro is built

Component List for Release No. 5.0

This section details all the components as part of this release with a brief description of the dependencies between components.

S.No.	Component	Dependencies
1	Installation Guide	For installing brand new TAF application
2	tafdb_420.sql	For installing brand new MySQL database
3	tafdb.sql tafdb_tables_420.sql tafdb_authorities_420.sql tafdb_inserts.sql	For installing brand new SqlServer database, please execute the .sql files in denoted sequence.
4	Upgrade Guide	For upgrade existing TAF application to taf420
5	Setup_multi.zip	TAF application executable for Full License Install and Upgrade. It contains setup.exe
6	setup_single.zip	TAF application executable for Trial License Install. It contains setup.exe and checker.exe.

6. Deployment Instructions

Refer to the TestPro Automation Framework Installation Guide or Upgrade Guide to deploy this product. TestPro Automation Framework Installation/Upgrade Guide includes installation/upgrade instructions for all components of the solution including the following:

S.No.	Component	Dependencies
1.	IBM Rational Functional Tester (Optional)	
2.	MS Excel	
3.	Adobe Acrobat Reader	
4.	Apache Ant	
5.	Java Developers Kit (JDK)	
6.	MySQL-Workbench	
7.	MySQL Essentials (database engine)	
8.	TestPro Automation Framework	
9.	Selenium (Optional)	