

TETware *professional*

Lite Demonstration Guide

for TETware *professional* 1.4

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THE *Open* GROUP

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1. Introduction

1.1 Preface

This is the TETware *professional* Demonstration Guide.

TETware *professional* is a Test Execution Management System that takes care of the administration, reporting, and sequencing of the tests providing a single common user interface for all of the tests that you.

TETware *professional* has been tested and used on UNIX, Linux and Windows operating systems. It includes all of the functionality of TETware together with a number of new features.

Throughout this document, the Windows NT, 2000 and 9x operating systems are referred to collectively as **Win32** systems. The individual names are only used when it is necessary to distinguish between them.

1.2 Audience

This document is intended to be read by systems administrators, software testing engineers and any one else who had installed TETware *professional* on their computer systems, and wishes to try the demonstrations.

1.3 Conventions Used in this Guide

The following typographic conventions are used throughout this guide:

- `Courier font` is used for function and program names, literals and file names. Examples and computer-generated output are also presented in this font.
- The names of variables are presented in *italic font*. You should substitute the variable's value when typing a command that contains a word in this font.

- **Bold font** is used for headings and for emphasis.
- Long lines in some examples and computer-generated output have been folded at a '\ ' character for formatting purposes. If you type such an example, you should type it in all on one line and omit the '\ ' character.

1.4 Related Documents

Refer to the following documents for additional information about TETware *professional*:

TETware *professional* User Guide
TETware *professional* Help Pages
TETware *professional* Installation Guide

The TETware *professional* User Guide contains a detailed explanation of the functionality of TETware *professional*. For a more in depth explanation of the functions contained in the Demonstrations, please refer to the User Guide.

1.5 Problem Reporting

If you have subscribed to TETware *professional* support and you encounter a problem while installing and using TETware *professional*, you can send a support request by electronic mail using the dedicated email address that is provided. Evaluators should email tetware_manager@opengroup.org

All Problem Reports are welcome and actively encouraged. The more problems that are found and fixed the better the product will be. Please submit all bugs and queries found. Also, please submit requests for features and upgrades.

2. The Local Demonstration

Once you have installed TETware *professional* you may wish to run the Lite Demonstration to test its operation. You must have installed TETware *professional* Lite to run the Local Demonstration.

This demonstration uses tests written in Java.

2.1 Introduction

This Demonstration provides a quick and easy way to present the capabilities of TETware *professional* to carry out local testing. It forms the basis for the examples in the TETware *professional* User Guide. If you encounter difficulties this demonstration, please refer, in the first instance, to the relevant part of the TETware *professional* User Guide for help.

The Lite Demonstration comprises of a `Test Run` file and a `scenario` file that are used to manage the execution of three Java tests cases (provided):

<code>IntegerTC</code>	This is a Test Case Class to test <code>java.lang.Integer</code> . It tests to see if <code>intValue</code> , <code>toString</code> and <code>parseInt</code> work according to their specification in the Java Documentation.
<code>StackTC</code>	This is a Test Case Class to test <code>java.util.stack</code> , It tests the <code>java.util.stack</code> to ensure that the methods <code>pop</code> , <code>push</code> and <code>search</code> work according to their specification in the Java Documentation.
<code>SystemTC</code>	This is a Test Case Class to test <code>java.lang.system</code> . It tests to see if Java method 'exit' of the <code>java.lang.system</code> correctly terminates the running Java process and returns the given status code.

You may vary the selection of tests during the demonstration.

2.2 Opening the Test Run Files

Once you have launched TETware *professional*, you must open the appropriate Lite Demonstration Test Run File that are provided with TETware *professional*.

To do this use the "Open Test Run" item in the File menu (for alternative ways of opening a Test Run file please see Section 3.1 of the TETware *professional* User Guide).

Users will then be presented with a file selection dialog box that allows them to browse until the appropriate test run file (*.trf) found it should be in your TET_ROOT directory (i.e. the directory in which you installed TETware *professional*):

For UNIX users: Select the file: `lite_java_unix.trf`

For Windows Users: Select the file: `lite_java_win.trf`

Single click to select the file so that it appears in the File Name box and click Open. The Lite_Demo Test Run will then appear as the first node in the Test Runs tree. Double click on Lite_Demo to open the Test Run tree. If the message "No scenario file selected" appears please follow the instructions under item 8 in Section 2.3.1 below.

2.3 Configuring the Demonstrations

If you have accepted the default directory names when you installed TETware *professional* you may now proceed to Section 2.4, but If you changed the path to TETware *professional* components, you must now re-configure the Test Run before you can execute it. To do this you must ensure that the correct path is set in the following places:

2.3.1 The Local System Tab:

1. Underneath the Lite_Demo Test Run double click on Configuration and then single click on Local System.
2. Next, click on the Local: Environment tab. In the TET_ROOT box at the top of this tab, you must specify the location of TETware *professional* software on your system. If



you changed the drive or directory in which this software is installed you must now select the `Browse` button. This opens a `Set value of: TET_ROOT` message box. Select the directory in which you instructed the installer to place the software.

3. Next click on the `Local: Build Mode` tab. On this tab, you must specify the location of the Build Tool for this demonstration in the `TET_BUILD_TOOL` box. The tool is called `jet-build.exe`. It is located in the `bin` directory under `TET_ROOT`. Now browse and select it.
4. Next click on the `Local: Execute Mode` tab. On this tab, you must specify the location of the Execute Tool for this demonstration in the `TET_EXECUTE_TOOL` box. The tool is called `jet-exec.exe`. It is located in the `bin` directory under `TET_ROOT`. Now browse and select it.
5. Next click on the `Local: Clean Mode` tab. On this tab, you must specify the location of the Clean Tool for this demonstration in the `TET_CLEAN_TOOL` box. The tool is called `jet-clean.exe`. It is located in the `bin` directory under `TET_ROOT`. Now browse and select it.
6. Next click on `Reporting` icon in the tree, and then click on `TETware Report Writer` tab. On this tab, you should specify the location of the Report Writer in the `Report Generator` box. The Report Writer is called `grw.exe` and is located in the `bin` directory under `TET_ROOT`. Browse and select it.
7. Scroll down to the `Output File` box and specify the location and name of the file that you write the report to. Note that it is important that the file have the suffix `".html"`.
8. Next, right click on the `No scenario` text at the bottom of the tree. Select the `Add Scenario File` option. The `Chose Scenario File` message box will open at the `TET_ROOT` level. Double click on the directory `jdemo` to open it, and then double click on the file `tet_scen` to open it.

Note. This file `'tet_scen'` is editable, it is important that you do not edit it or save it, as this may mean that the demo will not execute.

9. Double click on `tet_scen`, in the tree, and select at least one of the scenarios listed. Once selected the `red cross` will change to a green tick. You must have at least one green tick visible before you can execute the Test Run.


2.4 Executing the Demonstration

Press the Execute Test Run button  on the toolbar. A Confirm execution start message box opens. Select Yes to proceed. A no-entry sign  will appear on the Execution Output Tree Node and will remain there as long as the tests are executing. This no-entry sign will be automatically removed as soon as the test is finished. The demonstration test suite will be built, executed and cleaned up.

If you have text in the Error Output window please copy it into an email and send it to tetware_manager@opengroup.org.


2.5 Handling the Results

2.5.1 View the Journal File


If a Test Run has been executed and a Journal file created by TETware *professional* then you can view the text of the Journal File that was generated by clicking on the Journal node . The Journal file will be parsed and placed into the "Journal Text" area. This behavior is automatic. You can now view the text of the Journal File that was generated when you executed the Test Run. Look at the first line of the Journal. It gives you the time and date that the Test Run was executed, (the date is in the format `yyymmdd`) so you can confirm that it is your Test Run.

2.5.2 Report Writer

Click on the Reporting tab, and TETware Report Writer. Scroll down to the foot of this pane. You should see that the Journal name has been updated to the file that you have just generated.

Select the Run TETware Report Writer button  on the toolbar. Using your browser you can locate and view the output file. It will be in the location that you specified while carrying out item 6 in Section 2.3.1.

2.5.3 Database

Select the Start Extract to Database button  on the toolbar. You should see that the directory specified at Look in is the directory number for your Journal file. Click on Open. Once the extraction is finished a Database Extract finished message box will open. Click on OK to close it. Now go and find the Journal file parameters in your Database.

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