



Shunra for HP Software including Shunra Predictor v5.5 SPI

Overview

ShunraPredictor analyzes test results from HP LoadRunner or HP Performance Center tests with WAN emulation and generates automated reports for SLO compliance by location. ShunraPredictor evaluates results of one or more key metrics for SLO compliance by location based on static values and/or baseline performance. These customizable reports produce a comprehensive analysis of application performance by location.

System Requirements

Memory: 1 GB RAM (recommended)

Operating System: MS Windows (English versions only):

- + XP Professional SP3, SP2
- + Server 2003 SP2
- + Server 2008 SP2
- + Windows 7

Virtual Machine: VMware Workstation 6.0 or later (recommended); VMware ESX 3.0 or later (supported)

Prerequisites:

- + MS Office 2007 (Word and Excel)
- + HP Performance Center or HP LoadRunner 9.5x or 11

These applications must be installed before installing the Shunra Predictor:

- + Shunra for HP Software v5.5
- + VE Desktop Client on the HP Load Generator

Licensing

ShunraPredictor requires a Shunra for HP Software license, including load testing, to be able to generate reports. Shunra for HP Software comes with a fully-featured trial license of 30 days. After the evaluation period has expired, to extend the evaluation period or inquire about purchase, contact sales@shunra.com.

To install Shunra Predictor:

Open the setup file and follow the instructions in the wizard.

For further information, contact us at:
sales@shunra.com or + 1.877.474.8672

To create a test with the Shunra Predictor™ (recommended method):

1. Create a HP LoadRunner or Performance Center test using Shunra for HP Software with at least two emulated locations. For best results, include one "local" location with no WAN emulation (to differentiate between networking and other performance issues).
2. Run the HP LoadRunner or HP Performance Center test; wait until all results are collated.
 - + If you are running a test on the HP LoadRunner, the ShunraPredictor may be configured to launch automatically after the results have collated. It will then open the test results and automatically create a ShunraPredictor Analysis Report(s).
 - + For HP Performance Center users:
 1. Download and unzip the RawResults.zip file for the test
 2. Run VEDPredictor.exe.
 3. Load the test results: File > Load LoadRunner Analysis.
 4. Select the results file from your test (e.g. res.lrr or 178.lrr)

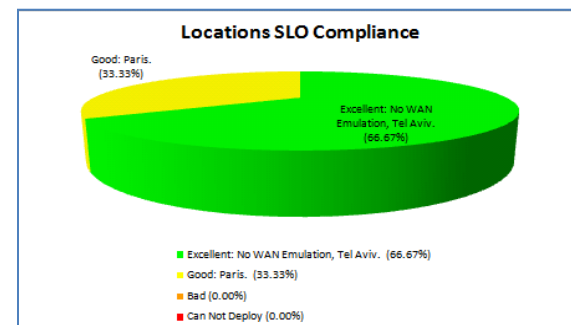


Note: When Shunra Predictor™ is first run, some error messages may be displayed when certain default configuration files are created; ignore these messages.

3. When ShunraPredictor is finished processing, open the generated report in MS Word by double-clicking the top message in the Event Log (or File > Open Last Report... or).

4. Once your first analysis is completed, modify classifications and settings as required to assess various scenarios. The classifications are always displayed as percentage increase from the performance of a local user (a user without WAN emulation) or from Service Level Objective (SLO).
 - + To modify the classifications select Options > Classifications.
 - + To modify the metrics used in the SLO calculation (Transaction Response Time, Bandwidth Utilization, etc.) select Options > Key Performance Indicators.
5. Once your settings are customized, you can generate a new report from the same test results without reloading the HP LoadRunner or HP Performance Center results:
 - To manually override any outlier transaction response times, select File > Modify Location Data.
 - Depending on the settings, ShunraPredictor may save the generated report in a designated location along with the MS Excel file that was used to generate the report and exports of all report data in CVS format to allow third party application integration.

Notes: The ShunraPredictor uses MS Word Templates to generate its reports. You can create and modify these templates, but ensure to keep the required Merge fields in the templates. Note that all charts in the report are embedded Excel objects; you can change their layout, colors and charts type in the report itself without regenerating a new report.





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Troubleshooting

Error	Issue	Workarounds
ShunraPredictor cannot start; a “could not load assembly ‘Analysis.Api’” error is obtained.	The ShunraPredictor cannot find the installation folder for HP LoadRunner Analysis, or it’s not compatible with the installed HP LoadRunner version.	<ol style="list-style-type: none">1. Ensure that you are using the correct configuration file. Depending on the installed HP LoadRunner version, rename LR9.51-VEDProfiler.exe.Config, LR11-VEDProfiler.exe.Config or PC11-VEDProfiler.exe.Config to VEDProfiler.exe.Config, and then rerun the Shunra Predictor.2. Make sure the paths to HP LoadRunner Analysis assemblies are accurate in VEDPredictor.exe.config.3. If the problem persists, contact support@shunra.com
ShunraPredictor cannot start. You get “Old Format on invalid library”. Source Microsoft.Office.Interop.Excel.	The ShunraPredictor cannot find the supported Microsoft Office version. Ensure you have Microsoft Office 2007 installed and try again.	
Reports are not generated; the following error is displayed “The Item with name “Emulated Location” was not found in GroupBy”	HP LoadRunner test results cannot be grouped by Emulated Location. This can happen due use of only one group in the test or a very short test execution that does not allow grouping.	Rerun the load test with at least two locations – at least one of them with emulated locations – and make sure it runs long enough so results can be collected from all locations.
When using HP LoadRunner 11 Controller or HP Performance Center 11, the HP Software Analysis cannot be opened; a “Cannot Apply Template” message appears.	This is usually due to issues with the HP analysis API.	Manually open the results file in HP LoadRunner Analysis, save the analysis session and close the HP Analysis application. Then open the analysis session file (*.lra) in ShunraPredictor.
Exceptions are seen when generating reports.	This might occur when multiple instances of Microsoft Office applications are running on the computer at the same time.	Close all running instances of MS Excel and Word and try to generate ShunraPredictor reports. Even if exceptions are still seen, the report may be created successfully.
ShunraPredictor is not launched after the HP LoadRunner collation ends. Note: When using HP Performance Center, this functionality is disabled; manually download the test results from HP Performance Center and open them in the ShunraPredictor.	This might happen if the Post Collate command is not configured correctly.	<ol style="list-style-type: none">1. Ensure that the “Auto Collate Results” command in the LR Controller Results menu is selected.2. To change the Post Collate command, open HP LoadRunner Controller Tools > Options and click the “Execution” tab.3. Ensure that the Post Collate command in the Controller is set to PredictorLauncher.exe “%ResultDir%” Note that selecting “Auto Load Analysis” might interfere with the ShunraPredictor execution, as the HP LoadRunner analysis and the ShunraPredictor will both try to use the same results file at the same time.
Reports are not generated	MS Office 2007 has not be installed	<ol style="list-style-type: none">4. Ensure that MS Word and MS Excel 2007 are installed.

For further assistance, contact us at:
support@shunra.com or +1.267.519.5137