

Shunra™ vCat Test Management Server v7.0

Shunra vCat™ is a Windows-based client/server network emulation software solution, which enables users to test applications under a variety of current and potential network conditions directly from the desktop. vCat™ includes a pre-configured library of typical network topologies, and allows peer collaboration for creating and sharing additional conditions. Version 7.0 has been enhanced to include more reporting tools, increased analysis capabilities, and the ability to roll out networked applications more effectively.

vCat Test Management Server provides a number of administrative tools that enable the creation or editing of Test Plans. These consist of a number of pre-defined parameters including the virtual origin and destination of traffic, connection quality, connection type, and business processes, or a list of transactions that end-users need to conduct. For a comprehensive review of the new capabilities with detailed explanations, please visit the Shunra website at www.Shunra.com

Installation and Configuration

System Requirements

Processor: 1 GHz or higher

Memory: 1 GB RAM

Free Hard Disk Space: 20 GB of free disk space

Windows Supported Operating Systems: (English, 32 bit)

- XP Professional SP3

- Windows Server 2003 Standard /Enterprise Edition SP2

Note: Administration privileges for the host computer are required. Disable any antivirus program; it may be restarted after the installation is completed. Refer to the vCat Test Management Server Manual for complete instructions.

To install vCat Test Management Server:

1. Run the vCatSuiteInstaller.exe and follow the instructions in the wizard, then restart the PC.

2. From the Start menu, choose **Programs > Shunra PerformanceSuite > vCat Test Management Server > vCat Configuration Tool** and follow the instructions in the wizard.

Licensing

vCat client comes with a fully featured two day license for up to three concurrent users. After this period has ended, contact sales@shunra.com for an extended license.

Logging On

To log on to the vCat Test Management Server:

To access the vCat sever:

1. Open the Web browser and type the vCat Test Management Module's address, <http://servername/> (where servername is the DNS name of the host on which the vCat Test Management Module is installed). OR, if the vCat Test Management Module is installed locally, from the **Start** menu, choose **Programs > Shunra PerformanceSuite > vCat Test Management Server**.
2. The Security Alert dialog box is displayed; click **Yes**.
3. In the vCat Test Management Module Login page, enter the case-sensitive name and password that was configured, and click **Login**.

Note: For the website to function properly, set the appropriate security level in your Internet browser to enable Java script functionality.

The website is best seen at a screen resolution of 1280 x 1024 pixels.

Defining Business Processes

A business process is a set of transactions that together form a logical process that is conducted by users.

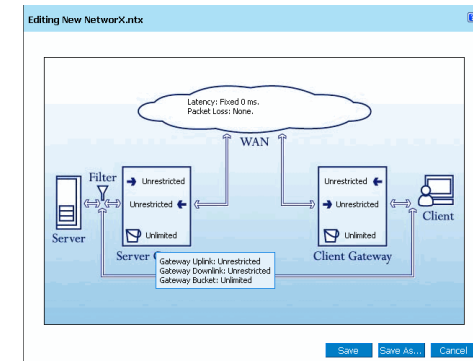
To define a Business Process:

1. From the vCat Test Management Server toolbar, click **Create New Business Process**.

2. From the Business Process Editor, click **Add**.
3. Enter a descriptive **Transaction Name** (e.g. login) and a Description (optional).
4. Save the Business Process File (.ves) and click **OK**.
5. Repeat steps 2-5 until all transactions have been added and the Business Process is complete.

Creating Network Scenarios

To emulate the network, create a network scenario file by entering network parameters (such as expected packet loss, latency and bandwidth limitation of the emulated WAN) in the NetworX Editor.



This 'network' is then used as the emulation model when conducting vCat tests:

- ▶ **Configuring Gateway Parameters:** includes bandwidth, limitations, and packet overhead
- ▶ **Setting IP Filters:** assists in applying emulation parameters between specific IP addresses. Preventing non-test related traffic being generated on your PC from being affected by emulation
- ▶ **Configuring the WAN Cloud:** includes latency, packet loss packet effects, link faults and congestion. Alternatively, record WAN conditions using Shunra



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NetworkCatcher and import them into the WAN Cloud

To create a network scenario file, follow these steps:

1. From the Folders pane, click the **Samples** folder.
 2. Click the New NetworX icon.
 3. Enter the Filter, Gateway and WAN Cloud parameters, by clicking on the Filter, Gateway or WAN Cloud, and click OK. For configuration instructions and parameter details, refer to the vCat Test Management Server Manual.
- Note:** Recordings from the Shunra NetworkCatcher and user-defined text files can also be imported.
4. Click **Save As**. In the File Name box, type fixed latency for the new file name, and click **Save**. The new network scenario file has the suffix **.ntx**. The saved file can be imported into the vCat to run an emulation.

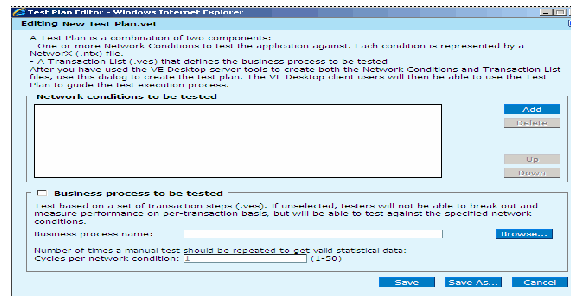
Creating a Test Plan

A test plan consists of a Network Scenario file which lists Network Conditions, and a Business Process which is a list of transactions to be conducted. Create at least one Network Scenario (.ntx) file and one Business Process before creating a Test Plan.

To create a Test Plan:

1. From vCat Test Management Server, click **Create New Test Plan**.
2. Add Network Conditions:
 - a. From the **Network Conditions to be tested** pane of the Test Plan Editor, click **Add**.
 - b. Navigate to the location of the Network Scenario you want to use, then click it, then click **Close**.
3. Add a Business Process:

- a. Select the **Business Process to be tested** checkbox.
- b. From the Business Process to be tested pane, click **Browse**.
- c. Navigate to the location of the Business Process, file (.ves), then click it.
- d. Click **Close** and enter a Name for the business process.
- e. Enter a number for the Cycles per network condition (optional).
- f. Click **Save** and enter a name for the Test Plan, then click **Save**.



Downloading Test Files

Downloading transfers a copy of a Test file from the vCat Test Management Module repository to a specified location.

To download a Test file:

1. From the desired location in vCat Test Management Module, click the file you want to download.
2. Click **File >Download**, then click **Save**.
3. In the Save As dialog box enter the name of the file and save the file.

Uploading Test Files

Uploading transfers a copy of a Test file from a specified location to the vCat Test Management Module repository.

To upload a Test file:

1. From the vCat Test Management Module webpage toolbar, click **File >Upload** is displayed.
2. In the File Upload dialog box, type the required path, or click **Browse** and navigate to the required location), then click **OK**.

Managing Client Licenses

vCat includes various license schemes, including a floating licensing mechanism that grants control over the transfer of licenses within an organization. After a vCat Client license period lapses, the license automatically expires, both in the vCat Test Management Module and in the Client, and the license is returned to the license pool. The Clients Management page displays how many licenses are currently in use, the hostname and IP of current users, and provides you with the ability to delete client licenses. For further licensing information, refer to the vCat Test Management Server Manual.

Adding Users

Adding users to vCat Test Management Server automatically sends them a link to download vCat client and provides them with a username and password for accessing basic functionality of vCat Test Management Server. When using an enterprise license or to enable Anonymous users, additional users are not required.

To add vCat client users:

1. From the vCat Test Management Server webpage, click the **Control Panel** folder, then double-click **User Management**.
2. Click **New**, and select from the various options, then click **Add**.

