

## WebPerMoS - 0.2 Beta – User Manual

This document gives functions largely at the RC. For installation of RC refer to the Installation Manual.

NOTE: Very little code has been written to check the validity of the input data. Please make sure that you enter correct data in all the forms provided.

### 1. Adding Users to the System

The new user to the system can be added by accessing the page regcust.php on RC. As there is no authentication needed for adding new customer, it is prone to misuse. You can change name of this page to something.php which only you know. Then add the customer yourself and give login/password to the customer. This customer is the user of the system. He can add new job and view results for his jobs.

### 2. Submit a Job

When an user logs on the system with login and password, he is shown a menu. Currently, only **Add Job**, **View Results** and **Logout** links are working.

A new job can be added for monitoring by clicking **Add Job** link. An example of filling the form is given in **Fig. 1**.

From Date and To Date specify the duration of the test. In the example given, the job is monitored from 21<sup>st</sup> March, 2003 to 26<sup>th</sup> March, 2003 – both inclusive. Start time and End time specify the hours (on each day) during which tests are to be conducted. In the example, the site is being monitored round the clock. Number of Samples indicates the number of tests to be conducted in one day. In this case, 48 tests will be conducted in 24 Hrs which means the frequency of test is 30 minutes.

Number of Delegates indicates how many Delegates have to be assigned this job. Number of Steps is total number of pages in the transaction. It can be 1, 2 or 3.

If some page needs to be sent parameters, the number of parameters in each specified in the form. If you simple want some URL (such as Home Page) to be monitored, you need not specify the parameters.

Add a new transaction - Mozilla {Build ID: 2003021008}

File Edit View Go Bookmarks Tools Window Help Debug QA

Back Forward Reload Stop http://www.cse.ii

Home Bookmarks The Mozilla Organiza... Latest Builds

Transaction ID	TRA00038
Name of transaction	<input type="text" value="Infosys Home Page"/>
From Date: (GMT)	Year <input type="text" value="2003"/> Month <input type="text" value="3"/> Date <input type="text" value="21"/>
To Date: (GMT)	Year <input type="text" value="2003"/> Month <input type="text" value="3"/> Date <input type="text" value="26"/>
Start time (GMT)	<input type="text" value="00"/>
End time (GMT)	<input type="text" value="24"/>
Number of Samples	<input type="text" value="48"/>
Number of Delegate	<input type="text" value="3"/>
Number of steps	<input type="text" value="01"/>
No. of Parameters in Step 1	<input type="text" value="00"/>
No. of Parameters in Step 2	<input type="text" value="00"/>
No. of Parameters in Step 3	<input type="text" value="00"/>

Fig 1: Adding a Job – Specify Scheduling Parameters

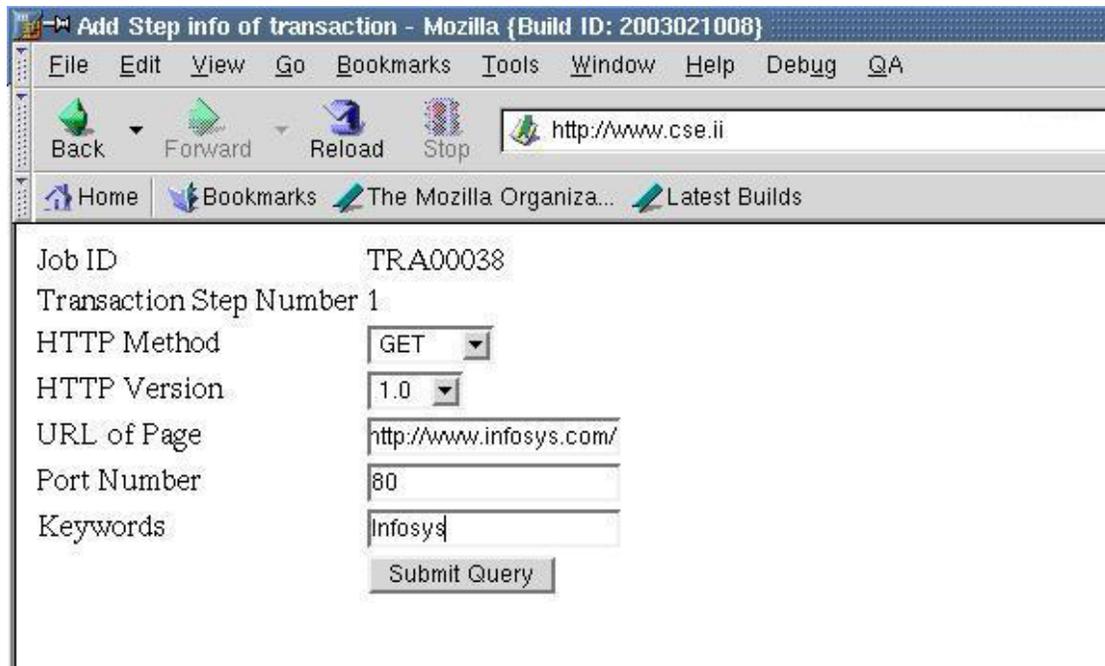


Fig 2: Adding a Job – Specify Access parameters.

The next step is to specify access parameters for each step of transaction. HTTP Method can be GET or POST. HTTP Version is 1.0. Please DO NOT pick 1.1 as it is not supported. Port number is 80 in almost all the cases. In special case, if the website is running on other than port 80, it can be specified here. Keyword field does not have any significance in current version. You can give a word which can be found on the web page. You can leave this field blank.

After this, a screen is shown for Delegate Preference. You can skip that part without selecting any of the values.

This is the end of adding job activity. Now the job will assigned to Delegates automatically. The results will start trickling in after few hours of assigning the job.

### 3. Viewing Results

Once the job is submitted, it will be assigned to the Delegates and results will come over the period of time.

When the user logs in, he can view the results. When View Results link is clicked, all the jobs submitted by the user are shown. User then selects the job for which results are to be seen. The user is shown a form, from where user can select the type of result (Response Time, Availability and Throughput) and duration for which results are to be seen. You can select the duration less than 7 days. If there are multiple steps, you can view the Page Wise results. Viewing results for a single day will give fine granular information. Some sample graphs are shown here. Most of the graphs are self-explanatory.

Figure 3 shows the Response Time graph for a job. The duration is 0000 Hrs on 21<sup>st</sup> March to 0000Hrs on 25<sup>th</sup> March. The unit on this graph is 4 hours. So any point on the graph is an average of tests conducted in those 4 hours.

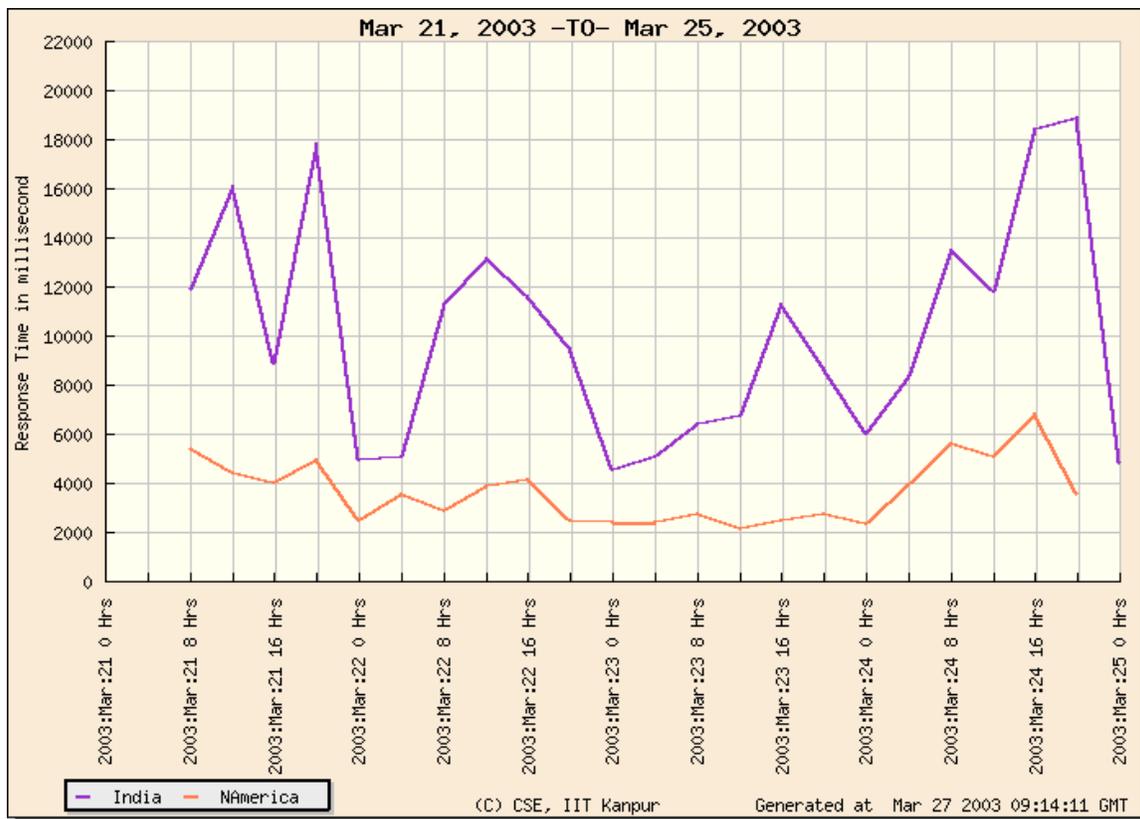


Fig 3: Response Time graph

Figure 4 shows the Availability of the graph. Availability varies from 0.0 to 1.0. Any point in the graph shows the *Total number of successful tests by Total number of tests conducted*. In some part, the magenta line (for India) is invisible. It is overlapped by the orange line (for N. America). At one point the availability is down to 0.78. This means, at that hour, 78% of the tests conducted were successful.

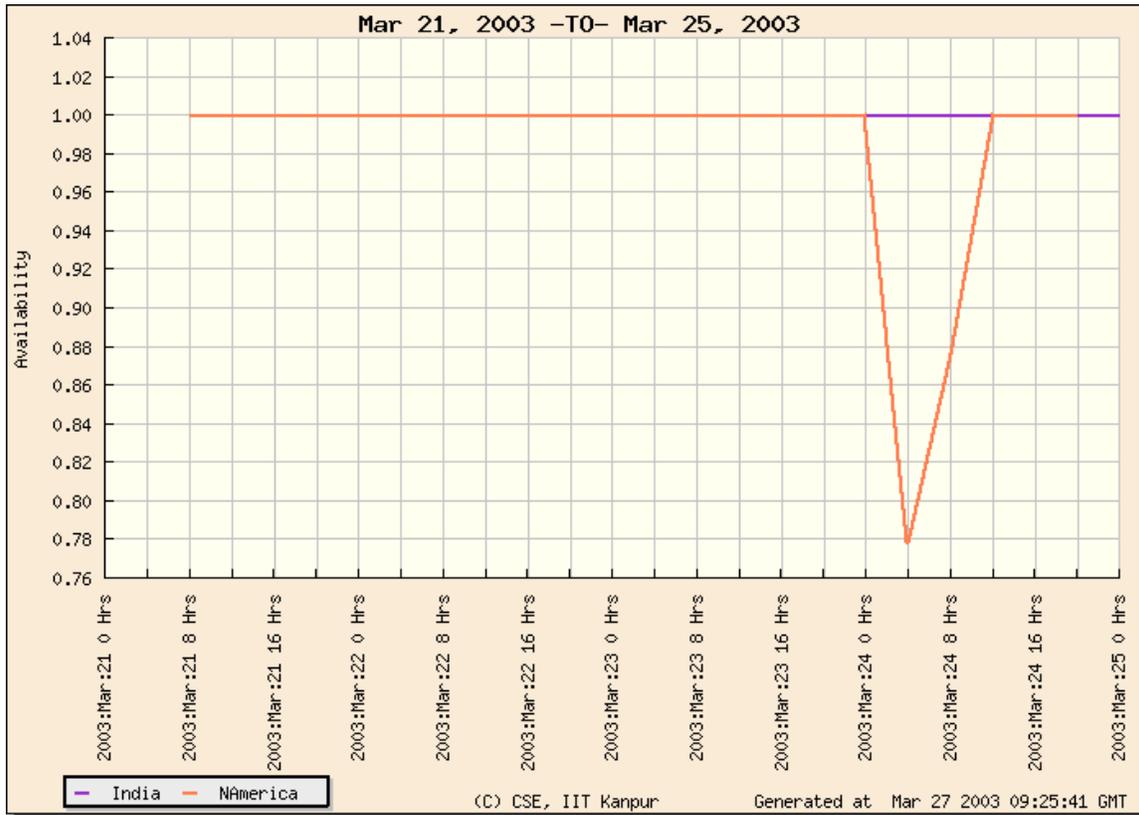


Fig 4: Availability

Figure 5 shows throughput of the site over the period of time. This is a derived attribute. Throughput is number of bytes received per second. The information about the page size and respective response time is used to calculate throughput.

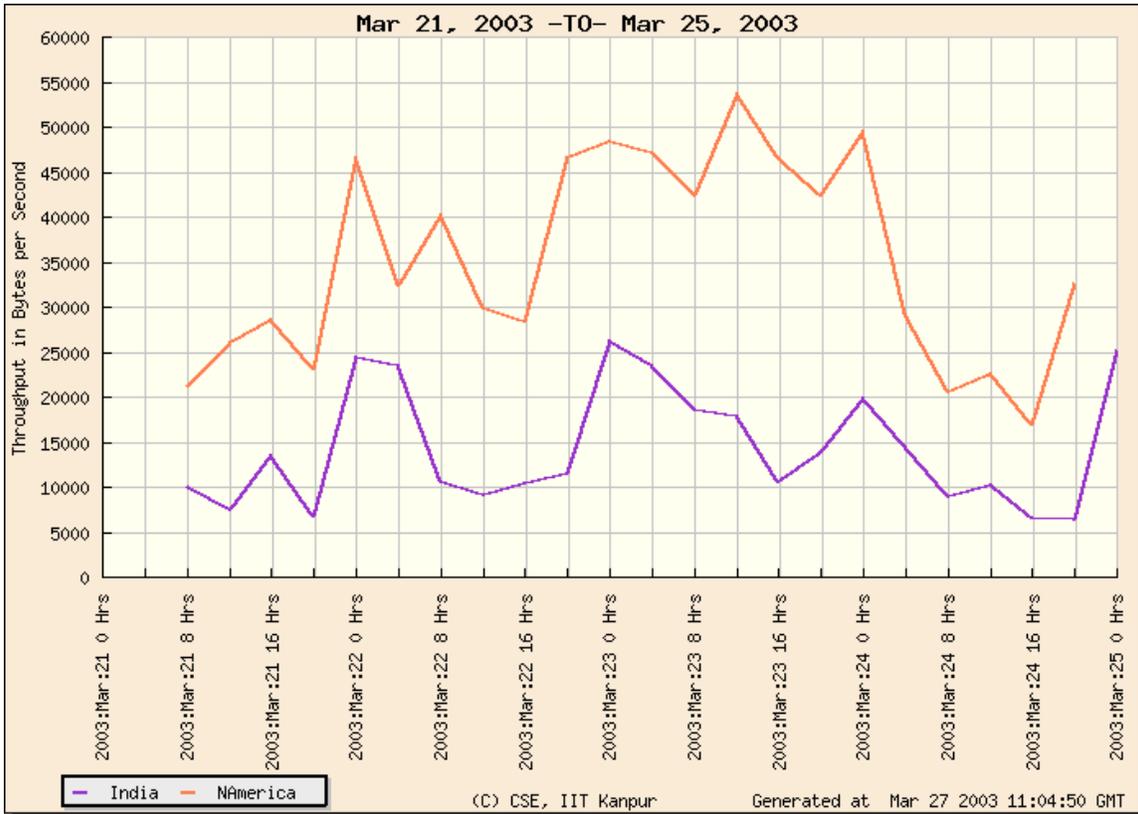


Fig 5 : Throughput

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