

ATC Method 2 Development at ITC  
RCET Software version 2.4.1 Pre-Test Report  
March 8, 2006

**Background**

- On 1/12/06, ITC received formal notification that RCET software (WebSys, Rapid Image Viewer Tool, WebSys Admin Tools) version 2.4 had been installed on the ITC POLARIS server and was ready for evaluation by ITC.
- On 1/13/06 a teleconference was held to discuss bug fixes and changes implemented in version 2.4 and to prepare for testing at ITC. Dr. Frouhar led the ITC personnel through an installation of the WebSys client on the POLARIS server (Windows 2003 Server OS). The WebSys client he demonstrated (WebSys\_2.4\_Setup.exe, 8,986,428 bytes, created January 06, 2006 11:15:07 AM, modified January 13, 2006 12:56 PM) was evaluated at ITC (see below).
- On 1/17/06, the ITC began pre-test evaluation of v 2.4 of the RCET software. An installation problem was noted on two (of four) computer systems at ITC. Attempts to upload data to the WebSys server (POLARIS) appeared to succeed and a corresponding set of compressed data files was found on the POLARIS server. However, the submitted data could not be downloaded using the WebSys client. Attempts to download data resulted in the error message "ERROR: Receiving or Decompressing of file: 1 failed !"
- On 2/2/06 the ITC issued a pre-test report for version 2.4 of the software.
- On 2/10/06, Dr. Frouhar issued a document addressing the ITC findings and outlining changes to be made to the WebSys installation package to resolve the reported problems.
- On 3/1/06, the ITC received email from Dr. Frouhar indicating that software on the POLARIS server had been updated and was ready for evaluation by the ITC.
- On 3/3/06, the ITC began pre-test evaluation of the WebSys client, (herein designated v. 2.4.1, including client installer file WebSys\_2.4\_Setup.exe, 7,844,095 bytes created January 04, 2006 12:50:46 PM, modified February 24, 2006 9:09:16 AM) to determine its readiness for testing.

**Installation Issues**

Two minor issues were noted in installing this version of WebSys on PC systems at ITC. In all cases, previously installed WebSys software was removed prior to installing v 2.4.1.

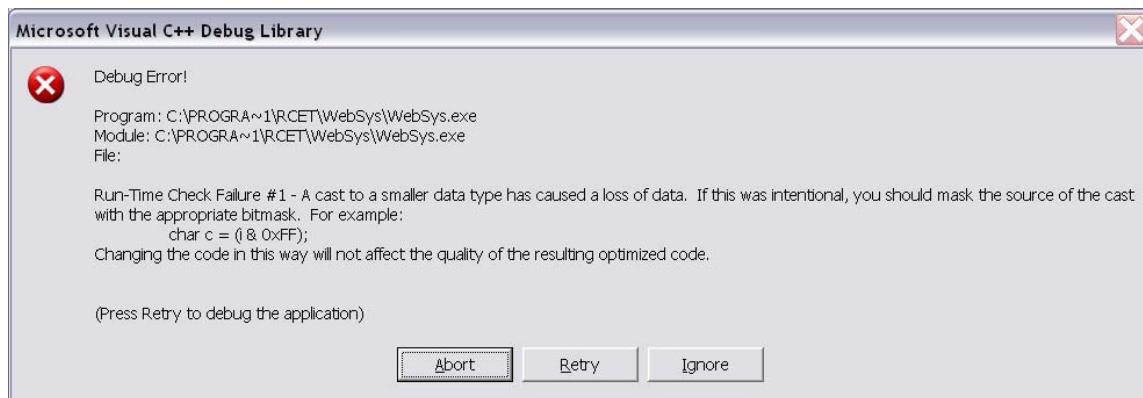
The installer performs a search for previously installed WebSys software that can be quite lengthy. On one Windows XP system, this search required approximately five minutes to complete.

On two Windows XP systems (from which previous versions of WebSys had been removed prior to installation) a repair dialog was displayed each time the client was run. On a Windows 2000 system with no previous installation, this message was not seen.

## Preliminary Usability Evaluation

With an apparently stable Windows operating system and WebSys client application, a new login (aSean) was created using the New User Registration Form on the POLARIS server web page ([https://polaris.wustl.edu/UserLogin/sUser\\_Registration\\_1Form.asp](https://polaris.wustl.edu/UserLogin/sUser_Registration_1Form.asp)) A New User Registration email message was generated, as expected. Subsequently, the user account was edited using the web-based Admin Tools interface ([https://polaris.wustl.edu/UserLogin/aUserInfo\\_List.asp](https://polaris.wustl.edu/UserLogin/aUserInfo_List.asp)) to assign the user to the SD (study director) group.

The WebSys client was started and a logged in on the POLARIS server as user aSean. For this evaluation, a DICOM dataset that had been successfully uploaded and downloaded with a previous version of WebSys was selected. The upload failed with the following error message:



In 10 of 12 upload attempts (using data sets uploaded successfully with previous versions of WebSys) the client program crashed with this error message.

Attempts to download the (apparently successfully) uploaded data with v. 2.4.1 also failed with the same error message as in the previous version (v.2.4):



All attempts to download data from the POLARIS server failed (and the client crashed) with this error message.

## **Conclusion**

Preliminary evaluation of the WebSys client, designated v. 2.4.1 by the ITC, (WebSys\_2.4\_Setup.exe, 7,844,095 bytes created January 04, 2006 12:50:46 PM, modified February 24, 2006 9:09:16 AM) was performed at ITC using the WebSys server configuration and database installed on the ITC POLARIS server as of 3/1/06. As indicated above, installation and usability issues in this version of the software remain and must be resolved before further testing at ITC can proceed.

In order to avoid confusion between revisions in testing this software, the ITC requests that a modified version of the client (and its installer) and/or server configuration that addresses these problems be designated v 2.4.2.

Respectfully submitted March 8, 2006,

Walter R. Bosch, D.Sc.  
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