Installation Guide for

Open TM: A Machine Aided Translational Tool for English to Sinhala Translation

(V 1.0.0)

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Table of Contents

1 Introduction

This document explains how to use **OpenTM V 1.0.0,** which is a Machine Aided Translational Tool for English to Sinhala Translation. This software acts as a translational aid for human translators in translating Unicode Documents from English to Sinhala.

Currently, OpenTM has been tested in both Windows and Linux Platforms. It is expected to aid the translators with translating English Documents and to generate Unicode Sinhala Documents. The system aids the translator in providing translation suggestions to the user so as to facilitate his or her task.

The software comes in two versions: for users who have or have not installed Java in their machines already.

2 Installation Prerequisite

2.1 Hardware Requirements

Platform: Intel processor or equivalent
Processor: 233 MHz or faster recommended
Memory: 256 MB or more recommended
Hard Disk Space: OpenTM1.0 with Java Integrated requires > 175MB in C Drive
                        OpenTM1.0 without Java requires > 25MB in C Drive (Windows)

2.2 Software Requirements

Operating Systems

Microsoft® Windows XP with Service Pack 2 or Microsoft Vista
(Tested on both Systems)

or

Ubuntu 9.04 or above recommended (Tested on Ubuntu Jaunty Jackelope)

Other Software

- A Web Browser   (preferably Mozilla Firefox for better rendering :   Tested on FireFox 3.0)

- **Language Settings** :

  On Windows: Sinhala Language Pack or Sinhala Enabling Patch for Windows XP / Vista
  Quick Fix for Enabling Sinhala

  On Linux: Sinhala Unicode Support

2.3 Special Requirements for using OpenTM 1.0

a) **User must have Administrator privileges to install this software.**

b) **Availablity of port 8080**

Since OpenTM's apache server needs port 8080, it is needed that no other application is using port 8080 once OpenTM is functioning.

To ensure that no other application is using it,

Type http://localhost:8080 in the web browser to check whether any page is displayed. If so, some other application which would be using the 8080 port would be needed to be stopped before starting OpenTM.

c) **For users who already have Java installed in their machine, the environment variables Java_Home and Path should be set appropriately.**

Windows

The user should set the environment variables by going through

Start → Control Panel → System → Advanced Settings → Environment Variables (Vista) or its equivalent path in Windows XP.

E.g. Suppose Java is installed in C:\Program Files\Java\JDK1.5. The environment variables Should be set as below:

I.   JAVA_HOME variable should be set as : C:\Program Files\Java\JDK1.5

II.   PATH variable should be modified with C:\Program Files\Java\JDK1.5\bin appended.

Linux

.bashrc file in the home folder should be modified with the Java_Home and PATH variable should be modified.

3 Installation of   OpenTM1.0

OpenTM1.0 comes for both Windows and Linux.

For Windows: the set ups are

1. OpenTM1.0_Windows – For users who do not have Java already installed
2. OpenTM1.0_Without_Java – For users who have already installed Java

Installing in Windows

Double click the   .exe or .msi in either project and follow the instructions provided.

For Linux, the setups are :

1. OpenTM1.0_Linux
2. OpenTM1.0_Linux_Without_Java

<u>Installing in Linux</u>

Extract the zip file provided:

sudo tar –zxvf OpenTM1.0_Linux.tar.gz (or OpenTM1.0_Linux_Without_Java.tar.gz)

On the location you need OpenTM to be.

3.1 Files generated upon installation

The files generated in Windows would be as follows:

<u>Windows</u>

 Upon installation of **OpenTM1.0_Windows (EXE or MSI)**

C:\OpenTM1.0\apache
C:\OpenTM1.0\jdk
C:\OpenTM1.0\jre

Shortcut Keys for starting, closing and uninstalling OpenTM .10 would be generated in the Desktop

Upon installation of **OpenTM1.0_Without_Java (EXE or MSI)**

C:\OpenTM1.0\apache

<u>Linux</u>

The same folder structure mentioned above would be in the extracted location in Linux.
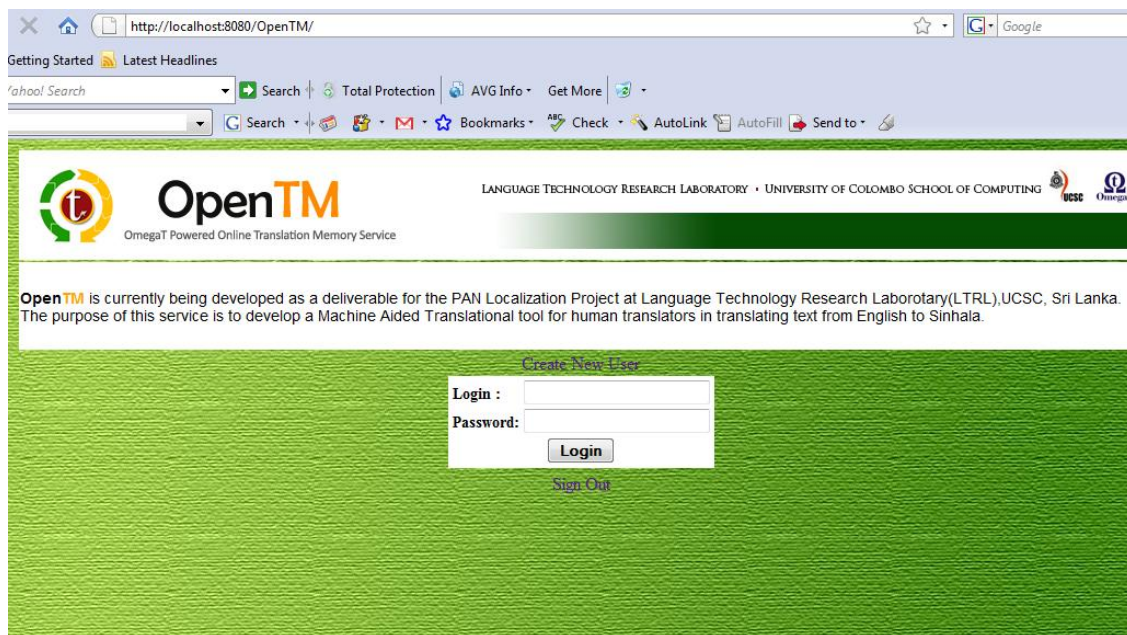

3.2 Testing the installation

Windows

Double click on the Start OpenTM1.0 shortcut on the Desktop. A separate console would appear saying that OpenTM server started:

<u>5</u>

Figure 01 : Launching OpenTM

Type http://localhost:8080/OpenTM on the web browser and upon success, the login page would appear.

Click close OpenTM1.0 (Desktop Shortcut) to close the application.

Linux

cd to the extracted location of OpenTM and run launch.sh

cd /home/jeevanthi/Desktop/OpenTM1.0/
sudo ./install.sh

Type http://localhost:8080/OpenTM on the web browser and upon success, the login page would appear.

Run ./uninstall.sh to stop the OpenTM server.

sudo ./uninstall.sh

4   Uninstall OpenTM1.0

Windows

1. On the Windows desktop, click **Start** > **Control Panel.**
2. In Control Panel, double-click **Add/Remove Programs**.
3. In the list of currently installed programs, click **OpenTM 1.0**
4. Click **Remove.**

Or simply click the uninstall OpenTM1.0 shortcut on the desktop.

Linux

Complete Removal of the folder would complete the uninstallation.