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## Carbon Planning Tool Installation Guide

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Release 1.5

**Misys Open Source Solutions**

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## Introduction

The Carbon Planning Tool (CPT) lets you enter your carbon emissions and plan for reduction of carbon emissions for a specified period. This is a guide to install the standalone - open source version of CPT. The instructions in this guide describe the pre-installation process and proceed to describe the installation process for the planning tool.

## Installation Overview

You need to perform pre-installation checks and configure the system to install the application. The following are discussed in detail in further sections in this document:

1. System requirements
2. Database installation and configuration
3. Application server and installation
4. CPT installation and uninstallation

# 1 Pre-installation Requirements

The pre-installation requirements are checks for system capabilities to run the application, and installation and configuration of applications used for data storage.

## 1.1 System Requirements

The following sub sections list the system requirements to install the CPT.

### 1.1.1 Hardware

The following table lists the hardware requirements:

Hardware	Specification
CPU	System running Windows XP
Hard Disk Drive Space	As recommended by Apache for Tomcat Server to run on Windows
Memory	1 GB RAM minimum

### 1.1.2 Software

The following table lists the software requirements:

Software	Specification
Operating System	Windows XP or Ubuntu Linux
Compatible Browsers	<ul style="list-style-type: none"> <li>Internet Explorer version 6 and 7</li> <li>Firefox 3 and later</li> </ul>
Java Development Kit (JDK)	Version 1.6 or later
MySQL Database	Version 5.0 or later
Apache Tomcat Application Server	Version 5.5 or later
Adobe Acrobat PDF Reader	Version 4.0 or later

## 1.2 Database Installation

The CPT application requires MySQL database to store data entered for the plan. The following is the procedure to install the MySQL database:

1. Download MySQL database version 5.0 or later from <http://www.mysql.com/>.
2. Install the database on your local machine. Refer to <http://dev.mysql.com/doc/#manual> for the database installation procedure.
3. Create a user and configure a user password.
4. Access the MySQL client and check the installation.

## 1.3 Database Configuration

The following is the procedure to configure the MySQL database for CPT:

1. Import **CarbonPlanningTool.sql** file into the local mysql database from the distribution folder under the path *<distributionfolder>/dbscript/CarbonPlanningTool.sql* using the following command:  

```
mysql -u <username> -p < CarbonPlanningTool.sql
```
2. Login to the MySQL database with the user name and password created during the database installation process.
3. Check for the creation of the **CarbonPlanningTool** database.
4. Login to CPT using the default user name **admin** and password **admin**.
5. Create new users using the **Register** link on the Login page. The users are registered and created on the local database.

## 1.4 Application Server Installation and Configuration

Apache Tomcat application server is required for CPT. Install Apache Tomcat 5.5 or later. Go to the Apache Tomcat website (<http://tomcat.apache.org/>) for more details.

## 2 CPT Installation and Uninstallation

The following sub sections describe the installation and uninstallation procedure for CPT.

### 2.1 Installation

The following is the procedure to install the CPT application:

1. Copy the carbonplanningtool.war file from the distribution folder and paste it in the *<Tomcat\_home>/webapps* directory.
2. Start the tomcat server.
3. Open a browser and enter the following url:

<http://localhost:8080/PUBLIC/home.html>

### 2.2 Uninstallation

The following is the procedure to uninstall the CPT application:

1. Stop the tomcat server.
2. Delete the carbonplanningtool.war file and carbonplanningtool folder from the *<Tomcat\_home>/webapp* folder.
3. Drop the database schema from the MySQL database.