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CTMS/CTIS Tools

Version 1.2

This document identifies software tools used to support the CTMS/CTIS project. The tools are organized by vendor and sorted by product name. The version is the version used at the publication of this document.

ATMS/ATIS	Version: 1.2
Tools Document	Date: 08-Mar-05

Revision History

Date	Version	Description	Author
03-Nov-03	0.5	Add additional tools	John Williams
04-Nov-03	0.7	Add Additional Tools	Pawan kharbanda
05-Nov-03	0.8	Minor Updates	Sachin Saindane
10-Nov-03	1.0	Reorganized Products by Vendor/Usage, Minor Cleanup	Greg Arbon
11-Feb-2004	1.1	Column on HP – UX compliance	Sachin Saindane
09-May-2004	1.1	Added new tools and removed Borland	Pawan Kharbanda
08-March-2004	1.2	Added new tools, removed HP-UX column	Sachin Saindane
05-March-2005	1.3	Added JDOM, fixed incorrect URLs and vendor names	Jason Westra

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Tools

1. Introduction

This document describes the tools used on the CTMS/CTIS project.

1.1 Purpose

The purpose of this document is to identify the tools used on the CTMS/CTIS project. Also included are the version of the tool used on the project, the tool vendor, and a brief description of the tools usage.

1.2 Scope

The scope if this documents is the tools used on the CTMS/CTIS project.

1.3 Definitions, Acronyms, and Abbreviations

Please see the CTMS/CTIS Glossary.

1.4 Overview

This document identifies software tools used to support the CTMS/CTIS project. The tools are organized by vendor and sorted by product name. The version is the version used at the publication of this document.

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2. References

The following list identifies the tools that are used on the CTMS/CTIS project for various functions.

Table 1.0 below shows the COTS (Commercial Off-the-Shelf) software that will be used in the development of CTMS/CTIS.

Most of the COTS libraries or executables are stored in the //tocntc/common/ITS/Software.

Product	Version	Vendor	Description/Usage
Adobe Acrobat	5.0	Adobe Systems Inc.	Publishing Documents
Photoshop	7.0	Adobe Systems Inc.	Image and Graphics Tool
Apache Web Server	2.0	Apache	Web Server
Xerces	2.5.0	Apache	Java XML parsing API's
JBuilder	9.0/ X	Borland Corporation	Java IDE
ArcGIS	8.2	ESRI	GIS Desktop Administrator Tool Set
ArcIMS	8.2	ESRI	HTTP Map Server
ArcSDE	8.2	ESRI	Spatial Database
ArcSDE API's	8	ESRI	Java to Spatial Database Management API's
Map Objects	2.0	ESRI	Java Map Client API's
ComSnooper	1.0	Freeware	Serial Port Protocol Analyzer
Port Man	3.02	Freeware	Serial Port Protocol Analyzer
ClearCase LT	2002.05.20	IBM/Rational	Configuration Management, Version Control
ClearQuest	2002.05.20	IBM/Rational	Change Management, Risk Management DB, Problem Reporting, Software Development UCM support
RequisitePro	2002.05.20	IBM/Rational	Requirements management
Robot J	2002.05.20	IBM/Rational	Automates functional, regression and configuration testing for Java
Rose Enterprise	2002.05.20	IBM/Rational	Visual Modeling
Suite Enterprise	2002.05.20	IBM/Rational	Complete Set of IBM/Rational Tools, some of which are not used.

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SoDA	2002.05.20	IBM/Rational	Software Documentation
TestManager	2002.05.20	IBM/Rational	Test GUI Console
Dreamweaver	MX	Macromedia	Integrated Web Application Tool
MS Access	2000	Microsoft Corp.	Standalone Databases, Reports
MS Excel	2000	Microsoft Corp.	Spreadsheet
MS PowerPoint	2002	Microsoft Corp.	Power point Viewer
MS Project	2002	Microsoft Corp.	Project Management
MS Terminal Services	5.0	Microsoft Corp.	Connect to remote servers
MS Visio	2002	Microsoft Corp.	Drawing Tool
Exerciser	3.0	Ntcip.org	NTCIP Simulator
Regex	1.0	Open Source	String Pattern Matching
Oracle Enterprise Manager Console	9.2.0.1.0	Oracle Corp	DBMS Management Tool
Oracle 8	8.1.7	Oracle Corp.	Database used for the IBM/Rational Products
Oracle 9i	9.2.0.1.0	Oracle Corp.	CTMS/CTIS Database Management System
SQLPlus	9.2.0.1.0	Oracle Corp.	Database Client
SKYLINE NTCIP Sign Simulator	1.0	Skyline Products	NTCIP Skyline Simulator
J2EE	1.3.1	Sun Microsystems Inc.	Java Enterprise Edition Include API's JNDI, EJB's (2.0), Java Mail, JAXP, JTP, JTA, JMS, JSP's , Servlets. Use for existing application.
J2EE	1.4	Sun Microsystems Inc.	Java Enterprise Edition Include API's JNDI, EJB's (2.0), Java Mail, JAXP, JTP, JTA, JMS, JSP's , Servlets. Used for future CTMS/CTIS development.
JDK	1.4.2	Sun Microsystems Inc.	Java Standard Development Kit include SWING, IO, NET etc API's
Wanco CMS	4.0	Wanco Industries	Wanco NTCIP Simulator
JBOSS	3.2.4	JBOSS.org	Application Server

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JBOSS MQ	3.2.4	JBOSS.org	JMS Message Provider
JSuite	7.0	Infragistics	UI Swing components
JoeSNMP	1.0	www.opennms.org	SNMP API's
Jaxen API's	1.0	www.jaxen.org	XPATH API's for XML
P6Spy	1.2	www.p6spy.com	Open source framework to support applications that intercept and optionally modify database statements.
Eclipse	M7	www.eclipse.org	Java IDE
IntelliJ IDEA	4.5	Jetbrains	Java IDE http://www.jetbrains.com/
Quartz	1.4.2	Opensymphony	Open source job scheduling system http://www.opensymphony.com/quartz/
Log4j	1.2.8	apache	Apache logging service http://logging.apache.org/log4j/
JMeter	2.0.2	apache	100% pure Java desktop application designed to load test functional behavior and measure performance http://jakarta.apache.org/jmeter
Velocity	1.4	apache	Velocity is a general purpose Java-based template engine. http://jakarta.apache.org/velocity
Oracle Help for Java	4.2.7	Oracle	A free Java Help framework from Oracle http://www.oracle.com/technology/tech/java/help/index.html licensed under their OTN license.
Rxtx	2.1.6	Rxtx	Serial Communication API's http://www.rxtx.org
JUnit	3.8.1	http://junit.org/index.htm	Testing framework
XDoclet	1.1.2	Open source	Open source code generation engine http://xdoclet.sourceforge.net/xdoclet/index.html
Ant	1.6.2	Apache	Java-based build tool. ant.apache.org
DB Visualizer	3.3.1	Minq Software	Database tool www.minq.se/products/dbvis
Toad	7.3	Toadsoft	Database tool www.toadsoft.com
JDOM	1.0b10	Copyright 2000-2004, Jason Hunter	Java library that provides an easy to use object model for XML

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Table 1: CTMS/CTIS Tools