# Tisio Device Manager Centralized Startup Guide



![](_page_0_Picture_2.jpeg)

#### Copyright

Copyright © 2006 & 2007 by ThinPATH Systems, Inc., The information contained in this document is subject to change without notice. ThinPATH Systems, Inc. shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this material. This document contains information which is protected by copyright. All rights are reserved. No part of this document may be photocopied, reproduced, or translated to another language without the prior written consent of ThinPATH Systems, Inc.

#### Trademarks

Tisio, Tisio Device Manager are registered trademarks of ThinPATH Systems, Inc.

Other product and company names mentioned herein are the trademarks of their respective owners. All terms mentioned in this book that are known to be trademarks or service marks have been appropriately capitalized. ThinPATH Systems cannot attest to the accuracy of this information. Use of a term in this book should not be regarded as affecting the validity of any trademark or service mark.

#### Disclaimer

THE SOFTWARE PRODUCTS ARE PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, ThinPATH Systems FURTHER DISCLAIMS ALL WARRANTIES, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. THE ENTIRE RISK ARISING OUT OF THE USE OR PERFORMANCE OF THE SOFTWARE PRODUCTS AND DOCUMENTATION REMAINS WITH THE END USER.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL ThinPATH Systems, OR ITS SUPPLIERS BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, DIRECT, INDIRECT, SPECIAL, PUNITIVE, OR OTHER DAMAGES WHATSOEVER (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, OR OTHER PECUNIARY LOSS) ARISING OUT OF THE USE OF OR INABILITY TO USE THE SOFTWARE PRODUCTS OR DOCUMENTATION, EVEN IF ThinPATH Systems, Inc. HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. BECAUSE SOME STATES/JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

#### **Revision History**

Dec 2006. Tisio Device Manager Centralized Startup Guide, Rev. A.

## Table of Contents

Table of Contents	.3
Table of Figures	.5
About this Startup Guide	6
Introduction to Centralized Startup Features of Tisio Device Manager Overview of the Central Configuration Process	<b>1</b> 1 2
Getting Started	3
Deciding How to Configure Terminals	.4
Assigning Terminals to the Device Manager	.5
Defining the Management Server	.6
Multiple Management Servers	.7
Terminal Startup Options	.7
Default Connections	.7
Registration of Tisio Devices	8
Starting the Tisio Device Manager (TDM)	8
Managamant Tasks 1	1
Overview.	. <b>1</b>
Management Tasks - Managed Devices	.3
Managed Devices menu	.3
Manage Devices menu details	.4
Filtering Managed Devices Data Fields	.4
Thering Managed Devices	.5
Management Tasks - Groups 1	7
Creating a Group and Managing Configuration Settings1	7
Group Principles	7
Creating a Group and Defining a Configuration	.8
View/Edit Group Configuration Settings	20
Distributing Configurations to Managed Tisio devices	22
Organizing and Managing Devices with Groups	22
Group Hierarchical Considerations	2
Group Buttons and Manus	2Z
Unassigned Archive and Default Groups	.5
Creating Groups and Sub-Groups	20
Creating a new sub-oroup	.0
Creating a new top level group	.9
Copying Groups or Device Configurations	30

View/Edit Group Settings       32         Removing Groups       33         Adding Members to a Group or Sub-Group       34
Management Tasks – Deploy Software
Setting Upgrade Policy
Filtering Software Packages
Adding Software Packages
Special Requirements
Management Tasks – Backup & Restore 42
Backup Configuration 43
Restore Configuration 43
Edit Comment
Management Tasks – Administration
Administration – User Accounts
Default Account Restrictions
Add and Edit User Accounts46
User Account Security and Controlling Access47
Delete User
Administration – Device Registration
Managing Device Properties
Distributing Device Properties
Device Settings
Default Device Settings
Configuring Connections
Defining Global Connections
Connecting Terminals to the Internet Using Microsoft Internet Explorer
Removing Defined Connections

## Table of Figures

Figure 2 - Tisio Device Manager Login Window       9         Figure 3 - Tisio Device Manager main window       10         Figure 4 - Managed Devices Window       13         Figure 5 - Changeable fields in Managed Devices       15         Figure 6 - Managed Devices Fields       16         Figure 7 - Filter Managed Device window contents       17         Figure 8 - Create new Managed Group.       19         Figure 10 - Device Manager Groups view       23         Figure 11 - Group hierarchal view       23         Figure 12 - Group lcon Indications and Functions.       25         Figure 13 - Selecting Group Functions using Buttons or Menus       26         Figure 14 - Add Group window       28         Figure 15 - Opening Groups Under Device Manager       29         Figure 16 - Copy/Modify Group Settings       31         Figure 17 - View/Edit and Groups selection       32         Figure 19 - Groups and device selection       32         Figure 20 - Adding a device to a Group       35         Figure 21 - Management Tasks - Deploy Software       36         Figure 22 - Filter Manage Device Window contents       38         Figure 23 - Adding Software packages window       39         Figure 24 - Java security file location       40         Figure 25 - Management Tasks -	Figure 1 - Setting Device Manager Server	6
Figure 3 - Tisio Device Manager main window       10         Figure 4 - Managed Devices Window       13         Figure 5 - Changeable fields in Managed Devices       15         Figure 6 - Managed Devices Fields       16         Figure 7 - Filter Managed Device window contents       17         Figure 8 - Create new Managed Group       19         Figure 9 - Configuration Details of a Selected Group       21         Figure 10 - Device Manager Groups view       23         Figure 11 - Group hierarchal view       23         Figure 12 - Group Icon Indications and Functions.       25         Figure 13 - Selecting Group Functions using Buttons or Menus       26         Figure 15 - Opening Groups Under Device Manager       29         Figure 16 - Copy/Modify Group Settings       31         Figure 17 - View/Edit and Groups selection       32         Figure 20 - Adding a device to a Group       33         Figure 21 - Groups and device selection       35         Figure 22 - Filter Manage Device Window contents       38         Figure 23 - Adding Software packages window       39         Figure 24 - Java security file location       40         Figure 25 - Management Tasks - Using Backup and Restore       42         Figure 26 - Management Tasks - Using Backup and Restore       42 <t< td=""><td>Figure 2 - Tisio Device Manager Login Window</td><td>9</td></t<>	Figure 2 - Tisio Device Manager Login Window	9
Figure 4 - Managed Devices Window.13Figure 5 - Changeable fields in Managed Devices.15Figure 6 - Managed Devices Fields16Figure 7 - Filter Managed Device window contents.17Figure 8 - Create new Managed Group.19Figure 9 - Configuration Details of a Selected Group.21Figure 10 - Device Manager Groups view23Figure 11 - Group hierarchal view23Figure 12 - Group Icon Indications and Functions.25Figure 13 - Selecting Group Functions using Buttons or Menus.26Figure 15 - Opening Groups Under Device Manager29Figure 16 - Copy/Modify Group Settings.31Figure 17 - View/Edit and Groups selection32Figure 18 - Configuration Details of a Selected Group.33Figure 19 - Groups and device selection35Figure 20 - Adding a device to a Group35Figure 21 - Management Tasks - Deploy Software36Figure 22 - Filter Manage Device Window contents.38Figure 23 - Adding Software packages window39Figure 24 - Java security file location40Figure 25 - Management Tasks - Using Backup and Restore42Figure 26 - Management Tasks - Using Backup and Restore42Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 29 - Management Tasks - Administrative Device Registration49Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuratio	Figure 3 - Tisio Device Manager main window	10
Figure 5 - Changeable fields in Managed Devices15Figure 6 - Managed Devices Fields16Figure 7 - Filter Managed Device window contents17Figure 8 - Create new Managed Group19Figure 9 - Configuration Details of a Selected Group21Figure 10 - Device Manager Groups view23Figure 11 - Group hierarchal view23Figure 12 - Group Icon Indications and Functions.25Figure 13 - Selecting Group Functions using Buttons or Menus.26Figure 15 - Opening Groups Under Device Manager29Figure 16 - Copy/Modify Group Settings.31Figure 17 - View/Edit and Groups selection32Figure 18 - Configuration Details of a Selected Group33Figure 20 - Adding a device selection35Figure 21 - Management Tasks - Deploy Software36Figure 22 - Filter Manage Device Window contents.38Figure 23 - Adding Software packages window39Figure 24 - Java security file location40Figure 25 - Management Tasks - Using Backup and Restore42Figure 26 - Management Tasks - User Access Administration46Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 29 - Management Tasks - Administrative Device Registration50Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuration Details Window52Figure 32 - TDM Configuration Details Window52Figure 32 - TDM C	Figure 4 - Managed Devices Window	13
Figure 6 - Managed Devices Fields16Figure 7 - Filter Managed Device window contents17Figure 8 - Create new Managed Group19Figure 9 - Configuration Details of a Selected Group21Figure 10 - Device Manager Groups view23Figure 11 - Group hierarchal view23Figure 12 - Group Icon Indications and Functions25Figure 13 - Selecting Group Functions using Buttons or Menus26Figure 14 - Add Group window28Figure 15 - Opening Groups Under Device Manager29Figure 16 - Copy/Modify Group Settings31Figure 17 - View/Edit and Groups selection32Figure 18 - Configuration Details of a Selected Group33Figure 20 - Adding a device to a Group35Figure 21 - Management Tasks - Deploy Software36Figure 22 - Filter Manage Device Window contents38Figure 24 - Java security file location40Figure 25 - Management Tasks - Using Backup and Restore40Figure 26 - Management Tasks - Using Backup and Restore42Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 29 - Management Tasks - Administrative Device Registration49Figure 29 - Management Tasks - Administrative Device Registration50Figure 26 - Control and Permissions48Figure 27 - Create or Edit User Acceusts50Figure 28 - User Acceust Control and Permissions48Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Dev	Figure 5 - Changeable fields in Managed Devices	15
Figure 7 - Filter Managed Device window contents17Figure 8 - Create new Managed Group19Figure 9 - Configuration Details of a Selected Group21Figure 10 - Device Manager Groups view23Figure 11 - Group hierarchal view23Figure 12 - Group Icon Indications and Functions25Figure 13 - Selecting Group Functions using Buttons or Menus26Figure 14 - Add Group window28Figure 15 - Opening Groups Under Device Manager29Figure 16 - Copy/Modify Group Settings31Figure 17 - View/Edit and Groups selection32Figure 18 - Configuration Details of a Selected Group33Figure 20 - Adding a device selection35Figure 21 - Management Tasks - Deploy Software36Figure 22 - Filter Manage Device Window contents38Figure 24 - Java security file location40Figure 25 - Management Tasks - Using Backup and Restore42Figure 26 - Management Tasks - Using Backup and Restore42Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 27 - TDM Configuration Details Window50Figure 32 - TDM Configuration Details Window50Figure 34 - Configuration Details Window50Figure 35 - Topone 3650Figure 36 - Create or Edit User Accounts50Figure 37 - Create or Edit User Accounts50Figure 30 - R	Figure 6 - Managed Devices Fields	16
Figure 8 - Create new Managed Group.19Figure 9 - Configuration Details of a Selected Group.21Figure 10 - Device Manager Groups view23Figure 11 - Group hierarchal view23Figure 12 - Group Icon Indications and Functions.25Figure 13 - Selecting Group Functions using Buttons or Menus.26Figure 15 - Opening Groups Under Device Manager.29Figure 16 - Copy/Modify Group Settings.31Figure 17 - View/Edit and Groups selection32Figure 18 - Configuration Details of a Selected Group.33Figure 20 - Adding a device to a Group35Figure 21 - Management Tasks - Deploy Software36Figure 22 - Filter Manage Device Window contents.38Figure 23 - Adding Software packages window39Figure 25 - Management Tasks - Using Backup and Restore42Figure 26 - Management Tasks - User Access Administration46Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuration Details Window50Figure 34 - Configuration Details Or Administrative Device Registration50Figure 27 - Create or Edit User Accounts50Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuration Details Window50Figure 32 - TDM Configuration Details Window50Figure 32	Figure 7 - Filter Managed Device window contents	17
Figure 9 - Configuration Details of a Selected Group.21Figure 10 - Device Manager Groups view23Figure 11 - Group hierarchal view23Figure 12 - Group Icon Indications and Functions.25Figure 13 - Selecting Group Functions using Buttons or Menus.26Figure 14 - Add Group window28Figure 15 - Opening Groups Under Device Manager29Figure 16 - Copy/Modify Group Settings31Figure 17 - View/Edit and Groups selection32Figure 18 - Configuration Details of a Selected Group.33Figure 20 - Adding a device selection.35Figure 21 - Management Tasks - Deploy Software36Figure 22 - Filter Manage Device Window contents.38Figure 23 - Adding Software packages window39Figure 24 - Java security file location40Figure 25 - Management Tasks - Using Backup and Restore42Figure 26 - Management Tasks - Using Backup and Restore42Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuration Details Window52Figure 34 - Configuration Details Window52	Figure 8 - Create new Managed Group	19
Figure 10 - Device Manager Groups view23Figure 11 - Group hierarchal view23Figure 12 - Group Icon Indications and Functions.25Figure 13 - Selecting Group Functions using Buttons or Menus.26Figure 14 - Add Group window28Figure 15 - Opening Groups Under Device Manager.29Figure 16 - Copy/Modify Group Settings31Figure 17 - View/Edit and Groups selection32Figure 19 - Groups and device selection35Figure 20 - Adding a device to a Group35Figure 21 - Management Tasks - Deploy Software36Figure 22 - Filter Manage Device Window contents.38Figure 23 - Adding Software packages window39Figure 25 - Management Tasks - Using Backup and Restore42Figure 26 - Management Tasks - Using Backup and Restore42Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration40Figure 28 - User Account Access Control and Permissions48Figure 27 - Create or Edit User Accounts47Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuration Details Window52Figure 32 - TDM Configuration Details Window52	Figure 9 - Configuration Details of a Selected Group	21
Figure 11 - Group hierarchal view23Figure 12 - Group Icon Indications and Functions25Figure 13 - Selecting Group Functions using Buttons or Menus26Figure 14 - Add Group window28Figure 15 - Opening Groups Under Device Manager29Figure 16 - Copy/Modify Group Settings31Figure 17 - View/Edit and Groups selection32Figure 18 - Configuration Details of a Selected Group33Figure 20 - Adding a device selection35Figure 21 - Management Tasks - Deploy Software36Figure 22 - Filter Manage Device Window contents38Figure 23 - Adding Software packages window39Figure 24 - Java security file location40Figure 25 - Management Tasks - Using Backup and Restore42Figure 26 - Management Tasks - Using Backup and Restore42Figure 27 - Create or Count Access Control and Permissions48Figure 28 - User Account Access Control and Permissions48Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuration Details Window52	Figure 10 - Device Manager Groups view	23
Figure 12 - Group Icon Indications and Functions.25Figure 13 - Selecting Group Functions using Buttons or Menus.26Figure 14 - Add Group window28Figure 15 - Opening Groups Under Device Manager.29Figure 16 - Copy/Modify Group Settings.31Figure 17 - View/Edit and Groups selection32Figure 18 - Configuration Details of a Selected Group.33Figure 20 - Adding a device selection35Figure 21 - Management Tasks - Deploy Software36Figure 23 - Adding Software packages window39Figure 24 - Java security file location40Figure 25 - Management Tasks - Using Backup and Restore42Figure 26 - Management Tasks - Using Backup and Restore42Figure 27 - Create or Edit User Accounts47Figure 28 - User Access Control and Permissions47Figure 29 - Management Tasks - Administrative Device Registration49Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuration Details Window50Figure 33 - Managing Web Connections55	Figure 11 - Group hierarchal view	23
Figure 13 - Selecting Group Functions using Buttons or Menus26Figure 14 - Add Group window28Figure 15 - Opening Groups Under Device Manager29Figure 16 - Copy/Modify Group Settings31Figure 17 - View/Edit and Groups selection32Figure 18 - Configuration Details of a Selected Group33Figure 20 - Adding a device selection35Figure 21 - Management Tasks - Deploy Software36Figure 23 - Adding Software packages window39Figure 24 - Java security file location40Figure 25 - Management Tasks - Using Backup and Restore42Figure 26 - Management Tasks - User Access Administration46Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 30 - Registering Tisio Devices50Figure 31 - Configuration Details Window50Figure 32 - TDM Configuration Details Window50Figure 33 - Management Tasks - Administration50Figure 34 - Registering Tisio Devices50Figure 35 - Management Tasks - Administration50Figure 30 - Registering Tisio Devices50Figure 31 - Configuration Details Window52Figure 32 - TDM Configuration Details Window52Figure 33 - Managing Web Compactions52	Figure 12 - Group Icon Indications and Functions	25
Figure 14 - Add Group window28Figure 15 - Opening Groups Under Device Manager29Figure 15 - Opening Groups Under Device Manager29Figure 16 - Copy/Modify Group Settings31Figure 17 - View/Edit and Groups selection32Figure 18 - Configuration Details of a Selected Group33Figure 19 - Groups and device selection35Figure 20 - Adding a device to a Group35Figure 21 - Management Tasks - Deploy Software36Figure 22 - Filter Manage Device Window contents38Figure 23 - Adding Software packages window39Figure 24 - Java security file location40Figure 25 - Management Tasks - Using Backup and Restore42Figure 26 - Management Tasks - User Access Administration46Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 30 - Registering Tisio Devices50Figure 31 - Configuration Details Window50Figure 32 - TDM Configuration Details Window52Figure 33 - Managing Web Connections52	Figure 13 - Selecting Group Functions using Buttons or Menus	26
Figure 15 - Opening Groups Under Device Manager29Figure 16 - Copy/Modify Group Settings31Figure 17 - View/Edit and Groups selection32Figure 18 - Configuration Details of a Selected Group33Figure 19 - Groups and device selection35Figure 20 - Adding a device to a Group35Figure 21 - Management Tasks - Deploy Software36Figure 23 - Adding Software packages window39Figure 24 - Java security file location40Figure 25 - Management Tasks - Using Backup and Restore42Figure 26 - Management Tasks - User Access Administration46Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuration Details Window52Figure 33 - Management Tasks - Administrative Device Registration50Figure 34 - Confirming Device Registration50Figure 35 - TDM Configuration Details Window52Figure 36 - Management Tasks - Comprestions50Figure 37 - Configuration Details Window52Figure 38 - Management Tasks - Administrative Device Registration50Figure 31 - Configuration Details Window52Figure 32 - TDM Configuration Details Window52	Figure 14 - Add Group window	28
Figure 16 - Copy/Modify Group Settings31Figure 17 - View/Edit and Groups selection32Figure 18 - Configuration Details of a Selected Group33Figure 19 - Groups and device selection35Figure 20 - Adding a device to a Group35Figure 21 - Management Tasks - Deploy Software36Figure 22 - Filter Manage Device Window contents38Figure 23 - Adding Software packages window39Figure 24 - Java security file location40Figure 25 - Management Tasks - Using Backup and Restore42Figure 26 - Management Tasks - User Access Administration46Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuration Details Window52Figure 32 - Managing Web Connections50	Figure 15 - Opening Groups Under Device Manager	29
Figure 17 - View/Edit and Groups selection32Figure 18 - Configuration Details of a Selected Group33Figure 19 - Groups and device selection35Figure 20 - Adding a device to a Group35Figure 21 - Management Tasks - Deploy Software36Figure 22 - Filter Manage Device Window contents38Figure 23 - Adding Software packages window39Figure 24 - Java security file location40Figure 25 - Management Tasks - Using Backup and Restore42Figure 26 - Management Tasks - User Access Administration46Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuration Details Window52Figure 33 - Managing Wab Conpections55	Figure 16 - Copy/Modify Group Settings	31
Figure 18 - Configuration Details of a Selected Group.33Figure 19 - Groups and device selection.35Figure 20 - Adding a device to a Group35Figure 21 - Management Tasks - Deploy Software36Figure 22 - Filter Manage Device Window contents.38Figure 23 - Adding Software packages window39Figure 24 - Java security file location40Figure 25 - Management Tasks - Using Backup and Restore42Figure 26 - Management Tasks - User Access Administration.46Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuration Details Window52Figure 33 - Managing Web Connections55	Figure 17 - View/Edit and Groups selection	32
Figure 19 - Groups and device selection35Figure 20 - Adding a device to a Group35Figure 21 - Management Tasks - Deploy Software36Figure 22 - Filter Manage Device Window contents38Figure 23 - Adding Software packages window39Figure 24 - Java security file location40Figure 25 - Management Tasks - Using Backup and Restore42Figure 26 - Management Tasks - User Access Administration46Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuration Details Window52	Figure 18 - Configuration Details of a Selected Group	33
Figure 20 - Adding a device to a Group35Figure 21 - Management Tasks - Deploy Software36Figure 22 - Filter Manage Device Window contents38Figure 23 - Adding Software packages window39Figure 24 - Java security file location40Figure 25 - Management Tasks - Using Backup and Restore42Figure 26 - Management Tasks - User Access Administration46Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuration Details Window52Figure 33 - Managing Web Connections55	Figure 19 - Groups and device selection	35
Figure 21 - Management Tasks - Deploy Software	Figure 20 - Adding a device to a Group	35
Figure 22 - Filter Manage Device Window contents38Figure 23 - Adding Software packages window39Figure 24 - Java security file location40Figure 25 - Management Tasks - Using Backup and Restore42Figure 26 - Management Tasks - User Access Administration46Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 29 - Management Tasks - Administrative Device Registration49Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuration Details Window52Figure 33 - Managing Web Connections55	Figure 21 - Management Tasks - Deploy Software	36
Figure 23 - Adding Software packages window39Figure 24 - Java security file location40Figure 25 - Management Tasks - Using Backup and Restore42Figure 26 - Management Tasks - User Access Administration46Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 29 - Management Tasks - Administrative Device Registration49Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuration Details Window52Figure 33 - Managing Web Connections55	Figure 22 - Filter Manage Device Window contents	38
Figure 24 - Java security file location40Figure 25 - Management Tasks - Using Backup and Restore42Figure 26 - Management Tasks - User Access Administration46Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 29 - Management Tasks - Administrative Device Registration49Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuration Details Window52Figure 33 - Managing Web Connections55	Figure 23 - Adding Software packages window	39
Figure 25 - Management Tasks - Using Backup and Restore42Figure 26 - Management Tasks - User Access Administration46Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 29 - Management Tasks - Administrative Device Registration49Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuration Details Window52Figure 33 - Managing Web Connections55	Figure 24 - Java security file location	40
Figure 26 - Management Tasks - User Access Administration46Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 29 - Management Tasks - Administrative Device Registration49Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuration Details Window52Figure 33 - Managing Web Connections55	Figure 25 - Management Tasks - Using Backup and Restore	42
Figure 27 - Create or Edit User Accounts47Figure 28 - User Account Access Control and Permissions48Figure 29 - Management Tasks - Administrative Device Registration49Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuration Details Window52Figure 33 - Managing Web Connections55	Figure 26 - Management Tasks - User Access Administration	46
Figure 28 - User Account Access Control and Permissions48Figure 29 - Management Tasks - Administrative Device Registration49Figure 30 - Registering Tisio Devices50Figure 31 - Confirming Device Registration50Figure 32 - TDM Configuration Details Window52Figure 33 - Managing Web Connections55	Figure 27 - Create or Edit User Accounts	47
Figure 29 - Management Tasks - Administrative Device Registration	Figure 28 - User Account Access Control and Permissions	48
Figure 30 - Registering Tisio Devices       50         Figure 31 - Confirming Device Registration       50         Figure 32 - TDM Configuration Details Window       52         Figure 33 - Managing Web Connections       55	Figure 29 - Management Tasks - Administrative Device Registration	49
Figure 31 - Confirming Device Registration	Figure 30 - Registering Tisio Devices	50
Figure 32 - TDM Configuration Details Window	Figure 31 - Confirming Device Registration	50
Figure 33 Managing Web Connections 55	Figure 32 - TDM Configuration Details Window	52
Figure 55 - Managing web Connections	Figure 33 - Managing Web Connections	55

#### About this Startup Guide

This guide is for system administrators who use Tisio Device Manager to configure Tisio terminals from a central location.

The instructions in this guide assume that you have completed the following tasks:

- Installed Tisio Device Manager and Tisio Operating Software as described in the Tisio Device Manager Installation Guide.
- Installed the necessary support components, JavaVM, MySQL, Tomcat Web services and Apache Web Server components as described in the Tisio Device Manager Installation Guide.
- Set upgrade policies as described in Tisio Device Manager Installation Guide.

## **Introduction to Centralized Startup**

Tisio Device Manager brings terminal configuration to a central Web Services Management Server. With its functionality, you can configure terminal properties and create connections to any server, make the configurations and connections available to terminals, and restart terminals to upgrade their configurations — all from one web services application, using any web browser.

The Tisio Device Manager consists of Java-based control service, a data base service (MySQL), a Client Device Manager Service, and the Device Manager Administrative GUI.

## Features of Tisio Device Manager

Tisio Device Manager centralizes Tisio terminal management, giving you the following capabilities:

#### Managing large groups of terminals from a central server

Using the Device Manager, you can:

- View, modify and store terminal properties and connections for all managed devices
- Report configuration information of devices on request
- Define groups and multi-level sub groups of terminals to managed separate configurations and software components.
- Perform wake-up or shutdown operations.
- Register the configuration in Device Manager for automatic terminal updates.
- Restarting groups of terminals from a central location

When a terminal restarts, it is updated with values from the registered configuration stored in a local data base.

Easy access to the Device Manager administrative interface

Device Manager can be run from any Web Brower supporting the Java applets. Requires JS2E runtime environment 5. 0 support.

#### Secure Login

A login secures access to the Device Manager administrative interface.

#### Secure Network Access

Device Manager and managed Tisio thin clients communicate using HTTP/HTTPS protocols offering secure access over LAN, WAN and through firewalls.

## **Overview of the Central Configuration Process**

To configure Tisio terminals through Tisio Device Manager, you will complete the following tasks:

Getting started

Build a list of terminals

- Start Device Manager
- Registration of managed devices
- Organizing and configuring terminals
  - Create Managed Groups
  - Define terminal properties and connections for a Managed Groups using the Reference Terminal process.
  - Edit terminal properties and connections for Managed Groups
- Distributing the new configuration
  - Restart terminals to update them with the new configuration
- Completing ongoing processes
  - Distribute new software to terminals, including configuration settings, Operating Software, or client

software

- Reset passwords

This guide has instructions for configuring, starting terminals and managing them using Tisio Device Manager. A companion to this guide, the Tisio Device Manager Reference, contains greater details about Tisio Device Manager, troubleshooting, and error messages.

## **Getting Started**

When getting started with Tisio Device Manager, the first steps include:

- Deciding how to configure terminals and the groups or sub groups they will be initially associated with.
- Starting the Device Manager Window
- Assigning terminals to the Tisio Device Manager, and defining initial settings.
- Create a group and managing configuration settings.
- Distributing configurations to managed Tisio devices.

These first steps lay the groundwork for configuring and managing groups of terminals.

## **Deciding How to Configure Terminals**

When you set up a centralized configuration for a Tisio network, defining a grouping strategy is key. Groups allow unique configurations to be assigned to Tisio devices, supporting the many different requirements throughout any organization. Tisio terminals automatically receive the associated configuration defined for a Managed Group they are in.

The Managed Group connection and property settings can be created and edited from within the Tisio Device Manager's interface, copied from another Group or a specified Tisio device.

In planning the configuration, keep in mind the following basic parameters:

- You can manage remote terminals locally at the Tisio Device Manager server or through the Internet using a web browser connected to the Tisio Device Manager server.
- Select a Tisio terminal device temporarily to initially define the specific managed Group configuration settings.
- You can modify and edit the managed Group configuration settings from the Device Manager interface.
- You can use groups to manage different configuration and connection properties. Use group names that describe a specific grouping requirement chosen.
- For larger and more complex environments use multi-level groups to associate by similar configurations, organizational criteria, or geographical criteria. You may want groups for departments, divided by locations or for some other specific use. You may want individual groups for special cases.
- You can make certain configuration options available to users.

The following sections show how to implement these decisions through Tisio Device Manager.

## Assigning Terminals to the Device Manager

Assigning the Tisio terminal to the Device Manager is done at the terminal and allows the terminal to be managed. It can be manually set or automatically defined by using the default domain host name "*thinccodm*" plus "*<your domain>*", i.e.. "*thinccodm.your\_domain.com*".

The value must be a URL pointing the Tisio Device Managers Web Service, i.e.. "*http://<serverName>:8080/ThinCCo/DMServlet* "where serverName is the name of the host on which Device Manager has been installed.

Assigning the Device Manager Manually.

- The Device Manager setting on the Tisio Tisio terminal defines the URL of the Tisio Device Manager server. This value can be modified from the Tisio Device Properties window under the Device Manager tab at any time.
- The first time the Tisio terminal is powered on or after a factory default, the Tisio Startup Wizard runs to setup required first time settings. The Device Manager setting can be set as one of the required first time settings under the Tisio Startup Wizards Device Manager tab.
- Assigning the Device Manager Automatically.
  - The Device Manager can be automatically assigned if the Tisio Device Manager's host name is aliased on the local network's DNS server. By default, all Tisio terminals use the hostname "thinccodm" as the Device Manager server. The full default URL setting used is http://thinccodm:8080/ThinCCo/DMServlet\_To avoid

http://thinccodm:8080/ThinCCo/DMServlet. To avoid manually setting a value on every Tisio device, add the alias "thinccodm" for the Tisio Device Manager in the local DNS table.

#### **Defining the Management Server**

The Tisio Device Manager value can be manually set from the Tisio Device Properties window. Press the F2 key then select the device's Connection Manager tab. Enter in the new value using the URL address to the Tisio Device Managers.

ThinCCo Device Properties			ок 🗙
Introduction Network Settings	Connection Manager	Update Manager	Display Settin 💶 🕨
		'ThinCCo/DMServle \ThinCCo.log' was in 6.85.203:8080/Th auestID=104&mac= coding="UTF-8"?>	t Test Cleaned. inCCo/DMServle 00148510b07

Figure 1 - Setting Device Manager Server

#### **Multiple Management Servers**

A Tisio Device manager can handle over 1000 Tisio devices. If the Tisio Device Manager Software is installed on multiple servers, the Tisio terminals should be pointed to their specific management server. Future versions will support multiple Tisio Device Management Services servers utilizing one central database. The only reasons to install multiple Management Servers are:

- You have more than 1000 Tisio terminals on your network
- Your Server has inadequate system resources to support multiple simultaneous software upgrades

If you feel that multiple Management Servers are needed, please contact ThinPATH Systems, Inc. Technical Support. They can assist you with planning and implementing the installation.

#### **Terminal Startup Options**

When a Tisio terminal starts for the first time, it goes through a series of initial setup screens to establish basic terminal properties and to establish a connection to the Tisio Device Manager. See **Defining the Management Server** above, since you are configuring terminals centrally.

#### **Default Connections**

On the Tisio terminal there is one IE Browser connection established automatically on first time startup.

To define other connections:

- 1. Select **Connections > Configure** and check that you want to include the information.
- Click **Add**, complete the information to add the connection, and click **OK**.

#### **Registration of Tisio Devices**

On fist time startup of the Tisio terminal device the Tisio Startup Wizard will run. See Assigning the Tisio Device manager setting above. When the Tisio Startup Wizard has completed on the Tisio device it will register with the Tisio Device Manager to enable it to be remotely managed and configured. The configuration defined for the Tisio Device will automatically be downloaded eliminating the need to individually set each Tisio device on your network.

## Starting the Tisio Device Manager (TDM)

The Tisio Device Manager is an integral part of the overall management scheme. The Tisio Device Manager offers an easy-touse tool for Administrators to remotely manage all types of Tisio thin client devices and their groupings.

The Tisio Device Manager consists of a Java-based Control Service, a database service (MySQL), a Client Device Manager Service, and the Device Manager Administrative user interface.

To access the Tisio Device Manager either from the local TDM server or from a remote browser follow one of these two methods.

■ Starting on the local server

Open the web browser on the TDM server and enter the URL:

#### http://localhost:8080/ThinCCo/DeviceManager.htm

Starting from a remote browser

Open any Java-enabled web browser on the compuer and enter the URL:

#### http://<server.your.domain>:8080/ThinCCo/DeviceManager.htm

Where the value <your server> is the hostname or IP address for the server where the Tisio Device Manager software was installed.

You will first be prompted to login at the initial screen. Enter the username and password defined during installation of the Tisio Device Manager software, set to "Admin" and "admin" respectively.

![](_page_14_Picture_3.jpeg)

Figure 2 - Tisio Device Manager Login Window

After a successfully logging in, the main Tisio Device Manager window will start display as shown in Figure 3 below.

anagement Tasks	Managed Devices							
Managod Dovices	Name	Online	MAC	User	IP	Model	OS	Group
Wanageu Devices	TTC-0016E63A7670		0016E63A7670	anybody	10.240.1.225	Tisio 90-1	Linux 1.0	unassigr
Groups	TTC-0016e63b1fa2		0016e63b1fa2	Administrator	10.240.1.224	Tisio 96-1	WinXPe SP2	unassigr
Deploy Software	TTC-0016E690BB82		0016E690BB82	anybody	10.240.1.203	Tisio 96-1	WinCE 5.0	unassigr
	THINCCO-0S3AEKL		0016e6928a25	Administrator	10.240.1.200	Tisio 95-1	WinXPe SP2	unassigr
backup/restore								
Administration								
Transition determ								
anagod Dovicos								
anageu Devices								
Filter								
Add Device								
1 G								
view/Edit								
Delete Devices								
Delete Devices								
Print Report								
Apply Changes								

Figure 3 - Tisio Device Manager main window

## **Management Tasks**

#### Overview

The Tisio Device Manager breaks management tasks into logical functions. These are categorized as Managed Devices, Group Management, Software Deployment, Configuration Backup and Restore, view Logs and Administration. With this functionality, you can configure terminal properties and create connections for any server, make the configurations available to terminals, and restart terminals to upgrade their configurations – all from one web services application, using any web browser.

Tisio Device Manager includes the following functional operations, with details on each in the following section.

#### Managed Devices

Under Managed Devices, you can:

- View, modify and store terminal properties and connections for all managed devices
- Report configuration information of devices on request
- Add and Delete Tisio devices from the managed list
- Perform wake-up or shutdown operations
- Perform remote device diagnosis using Ping and device logs

#### Groups

Under Groups, you can:

- Create and delete groups and sub-groups
- View, modify and store terminal properties and connections associated with a specific group
- Drag and drop Tisio devices to a group to assign a specific set of configuration settings

Copy configuration settings from a group/device to another group/device

#### Deploy Software

Under Deploy Software, new or updated versions software packages can be installed for later deployment to Tisio devices.

#### Backup/Restore

Under Backup & Restore, vital deployment and configuration information can be easily be backed up and restored.

#### Administration

Under Administration, you can:

- Register your product with ThinPATH Systems, Inc. to activate product warrantee
- View and modify user names and passwords controlling security and logon access to Tisio Device Manger
- View server log files

## **Management Tasks - Managed Devices**

The Managed Devices window is the initial window displayed when the Tisio Device Manager starts. Tisio devices automatically register with the Device Manager which gathers information about the managed Tisio device. Basic information identifying the Tisio device is listed, as shown below.

The Thin Clier	nt Company o <mark>DeviceManag</mark>	er						
Management Tasks	Managed Devices							
Managed Decision	Name	Online	MAC	User	IP	Model	OS	Group
Manayeu Devices	TTC-0016E63A7670		0016E63A7670	anybody	10.240.1.225	Tisio 90-1	Linux 1.0	unassigned
Groups	TTC-0016e63b1fa2		0016e63b1fa2	Administrator	10.240.1.224	Tisio 96-1	WinXPe SP2	unassigned
Deploy Software	TTC-0016E690BB82		0016E690BB82	anybody	10.240.1.203	Tisio 96-1	WinCE 5.0	unassigned
	THINCCO-0S3AEKL		0016e6928a25	Administrator	10.240.1.200	Tisio 95-1	WinXPe SP2	unassigned
Backup/Restore		70				800		
Administration								
-Managod Dovicos								

Figure 4 - Managed Devices Window

In addition to displaying basic information on devices, the Managed Devices window is used to perform specific management tasks on individual Tisio devices, usually from a simple right click menu over a selected Tisio device.

#### **Managed Devices menu**

The Managed Device menu is displayed by selecting a Tisio device and right clicking. The menu provides the following functions:

- View, modify and store terminal properties and connections for all managed devices
- Report configuration information of devices on request
- Add and delete Tisio devices from the managed list
- Perform wake-up or shutdown operations

- Perform remote device diagnosis using Ping and device logs

#### Manage Devices menu details

From the Managed Device menu, administrators can perform the following functions on the selected Tisio device.

Menu Item Name	Description
Device Ping	Perform a TCP/IP Ping to the device. Display the results in a local popup window.
Trace Route	Perform a TCP/IP Trace Route to the device. Display the results in a local popup window.
Reboot	Perform a Reboot on the device.
Shutdown	Perform a Shutdown on the device or turn the device off.
Wakeup	Perform a Wakeup to the device or turn the device on.
Update	Perform a software update on the device.
Add Device	Add a device, assign its IP address and assign it to a group or leave unassigned.
View/Edit	View client packages installed on the Tisio device
Delete Device	Remove Tisio device from Device Manager
Print Report	Print a report on the status of the selected device.
Apply Changes	Make changes permanent in data base

#### **Modifying Managed Devices Data Fields**

The fields below identified by a green background in the Managed Devices main window can be modified directly.

When the field is selected with a left mouse click, a dialog window or dropdown box is presented allowing a new setting to be set.

Description or User Prompt
A drop down box lists all available groups
A time window is presented.
A time window is presented.
A time window is presented.
A Tisio time zone setting window is
presented.
The time and date window is presented.

**Figure 5 - Changeable fields in Managed Devices** 

- Group Select a new group from the drop down list box. This will assign the selected Tisio device to a new group.
- Shutdown Time, Reboot Time, Wakeup Time Enter the time and check the days of the week in the window you wish to have the shutdown, reboot or wakeup to be run.
- Update Enter the time and check the days of the week in the window presented and select if you want to also perform a wakeup and shutdown.
- **Time Zone –** Select the proper time zone setting from the drop down list box.

When any of the fields displaying a green background are changed the Apply Changes button will become active indicating changes have been made but not yet saved. If another Managed Tasks button is selected a prompt is presented to save or discard the changes.

## **Filtering Managed Devices**

The Filter button can be used to add or remove fields from view in the Manage Devices window. The table below lists the fields that can be displayed under the Managed Device window.

Column Name	Field Description
MAC	Tisio Ethernet hardware address
Name	Tisio network hostname
IP	Tisio network TCP/IP address

Column Name	Field Description
License Status	Tisio device connection license status
Model	Model number of the Tisio device
OS	Operating System running on the
	registered Tisio device.
Group	The Group to which the Tisio device has
	been assigned
Clients	Client Packages installed on the Tisio
	device
Last Contact	The last time of contact between the Device
	Manager and Tisio device.
Shutdown Time	The time and date to perform a shutdown.
Wakeup Time	The time and date to perform a wakeup
Reboot Time	The time and date to perform a reboot
Online	The Tisio on-line status
Time Zone	The Tisio time zone setting
Update Time	The time and date to perform an update
Parameter 1-n	Currently not used.

Figure 6 - Managed Devices Fields

Press the button **T** to add or remove fields from view, using the Select Filter attributes window. Here you can also add expressions to narrow the number of terminals shown in the main view. Besides that from here one can fill in custom fields which in turn can be used to control the view.

😻 Select filter's attril	butes		×			
Filters User Para	meters					
Column Name	Show State	Filter String				
MAC	×					
Name	<b>~</b>					
IP	<b>~</b>					
Licence Status						
Model						
08						
Group						
Clients						
Last Contact						
Shut Down Time						
Wakeup Time						
Reboot Time			ΗІ			
Online						
Time Zone	<b>~</b>					
Update Time	<b>~</b>					
Parameter 1						
Parameter 2			-			
ОК	OK Cancel					
Java Applet Window						

Figure 7 - Filter Managed Device window contents

The fields that get checked are displayed in the Manage Devices window. The use of the Filter String field displays those devices that match the text entered.

## **Management Tasks - Groups**

Another important management functions is performed in the Groups window. It provides an easy method of managing groups of Tisio thin clients deployed throughout a company or organization.

## **Creating a Group and Managing Configuration Settings**

#### **Group Principles**

The main intent of Groups used within the Tisio Device Manager is

to provide an easy method of controlling and configuring groups of Tisio thin clients deployed throughout a company or organization. Multiple levels of groups can be created, meeting the various deployment requirements of large and small organizations. For a full description of all the group functions refer to the section, **Organizing and Managing Devices with Groups** 

Specific configuration settings and connection information are associated with a group. Any Tisio terminals assigned to a Group will automatically have the configuration settings of that group assigned to the device. The individual property settings of a group or managed thin client device can be set and modified.

It is recommended you initially define the configuration of a group from a pre-configured Tisio terminal and use the Tisio Device Manager View/Edit windows to make modifications to the Managed Group or thin client device.

The next section will help guide you through these easy setup steps so your Tisio thin client devices can be centrally managed.

#### Creating a Group and Defining a Configuration

When creating a group, you are asked to initially assign a configuration. The configuration can come from another group, a parent group or an individual Tisio device. When creating a new top level group it is best to use an existing Tisio terminal that is already configured for your desired environment (also known as *Reference Terminal*).

Follow these steps to create a group and assign a configuration:

- 1. Identify a Tisio terminal to be used to initially define the settings for the Managed Group.
- 2. Working at the Tisio terminal, configure the device to your needs.

- 3. Reboot the Tisio terminal, forcing the terminal to upload its configuration to the Tisio Device Manager.
- 4. Open the Tisio Device Manager and click on the **Groups** button.
- 5. Click on **Add Group** to create a new managed group.
- 6. Enter the name of the top level group you want to create into the **Group Name:** entry box.
- 7. Deselect the **Parent Group** so it does not create a sub group.
- 8. Click on the radio button **Reference Device:** and from the drop down box select the name of the Tisio terminal you configured in Step 1 above.
- 9. Select the local Time Zone and click on the button Add.

😻 Add Group	×
Group Name:	Sales
Parent Group:	Corp 💌
Reference Group:	Corp 💌
Reference Device:	TTC-0014850e75b9 💌
Time Zone:	Pacific Standard Ti 💌
Description:	
Add	Cancel
Java Applet Window	

Figure 8 - Create new Managed Group

10. The group you created now contains the configuration related to the terminal selected as the Reference Device. Any Tisio device moved into this group will automatically be assigned the group's configuration settings at the next reboot of the terminal.

### **View/Edit Group Configuration Settings**

The Tisio Device Manager allows the configuration settings assigned to a group or device to be viewed and edited. This offers administrators the ability to modify the configuration settings of a Tisio device remotely. The Managed Device view or the Group view allows devices or groups to be selected for modification of their configuration settings. The View/Edit button opens a separate window allowing access to view and change settings associated with a group or individual device.

To modify any settings to a group or Tisio thin client device, follow these steps:

- 1. Open the Tisio Device Manager.
- 2. Select either the **Managed Devices** view (Click on **ManagedDevices** button) or the Groups view (click on the **Groups** button).
- 3. Select a Tisio thin client device, top level group or sub level group from the selecte Tisio Device Manager view.
- 4. Select **View/Edit Button** to open Configuration details on the selected Group.
- 5. The Configuration Details window will allow all connections and settings for a Group to be modified and saved.

Configuration details of Corp		X
P- 🚊 Corp	Parameter	Value
👇 🗐 ICA Ctrix Client	Connection Name	Internet Explorer Connection 1 📃 📤
Elient Client	Start Page	
📕 🗐 RDP Client Con	Search Page	=
P- ■ Internet Explorer	No New Window	
ThinCCo Device Cli	Smooth Scroll	0 -
	Content Prefix	Content:
	Content Cache Limit	512
	Cookies Prefix	Cookie:
0.dd	Cookies Cache Limit	256
nuu		•
Delete	Show expert features	Apply Changes
	Close	
Java Applet Window		

Figure 9 - Configuration Details of a Selected Group

- 6. Select a **Connection Type** on the left pane to open the configuration details for a connection. The right pane contains the individual setting that can be changed for the selected connection. Make changes to any connection setting and click the **Apply Changes Button**.
- 7. The **Add & Delete Buttons** can be used to *create* new connections or *delete* existing connections.

For more details see the Section below Using the Tisio Device Manager Configuration Details window.

## **Distributing Configurations to Managed Tisio devices**

## **Organizing and Managing Devices with Groups**

The main intent of groups used within the Tisio Device Manager is to provide an easy method of controlling and configuring groups of Tisio thin clients deployed throughout a company or organization. Multiple levels of groups can be used, meeting the varied deployment requirements by large and small organizations.

### **Group Hierarchical Considerations**

The Tisio Device Manager supports the ability to create groups and multiple levels of sub-groups. This offers more control for administrators when managing larger numbers of Tisio thin clients.

Sub-groups are automatically assigned the configuration settings assigned to their parent group. Sub-group settings can be modified without affecting their parent group or any subordinate groups.

## **Traversing Groups and Sub-Groups**

The Groups view of the Tisio Device Manager is opened by selecting the Groups button.

![](_page_28_Picture_2.jpeg)

#### Figure 10 - Device Manager Groups view

The Groups view lists predefined and user defined groups, displayed in a hierarchical tree structure. Icons indicate the presence of predefined groups, user defined groups and user defined subgroups. Icons also indicate if sub-groups exist and are visible. For top level groups, icons are used to indicate when a lower branch is empty, open or closed. Clicking on these icons changes the view of the hierarchical tree structure.

![](_page_28_Picture_5.jpeg)

Figure 11 - Group hierarchal view

The group or sub-group names are displayed to the right of the group icons. The group can be selected by clicking on the name or icon.

The following figure describes in detail the function and indication of the icon when viewed, selected or clicked-on.

Icon	Indication and Function
<b>S</b>	Top Level of all groups
	Defined group with no defined sub-groups. Clicking on the icon selects the group.
(H)	Defined group with sub-groups. Clicking on the icon selects the group. Double clicking will make the next level of sub-groups visible.
Corp	When group names are selected a blue box surrounds the name of the group.
<b>~ </b> ∰	Defined group with sub-groups not displayed. Clicking on the blue pointer or double clicking on cloud will make the next level of sub-groups visible.
<mark>۹ 🥯</mark>	Defined group with sub-groups displayed. Clicking on the blue pointer or double clicking on cloud will hide all sub-groups.
۰	Lower sub-groups exist but are not visible. Clicking reverses the visibility of sub-groups.
የ	Lower sub-groups are visible. Clicking reverses the visibility of sub-groups.
-	Archive Group

#### **Figure 12 - Group Icon Indications and Functions**

### **Group Buttons and Menus**

The Tisio Device Manager Groups window offers multiple methods of accessing group functions. The Group functions can be accessed from the Groups buttons just below the Management Tasks or by a right click menu while the mouse pointer is over a group or device in the group directory panel.

In both the button list and menu, some selections may appear light gray and will not be selectable, indicating the function is not allowed for the selected group or Tisio device

![](_page_31_Picture_2.jpeg)

Figure 13 - Selecting Group Functions using Buttons or Menus

## Unassigned, Archive and Default Groups

The Unassigned and Archive groups are created by default and provide place holders for new and unmanaged Tisio devices. The Default group is not initially created but is normally the first group that is created. These groups will be referenced throughout the documentation.

Unassigned Group

The Unassigned group contains managed Tisio devices that first make contact with the Tisio Device Manager. All Tisio devices turned on for the first time get assigned to this group. Any configuration assigned to this group is automatically assigned to the Tisio device. By default the unassigned group contains no configuration settings or connection information.

#### Archive Group

The Archive group contains Tisio devices that have been previously deleted from the Device Manager. Devices moved into the Archive group are ignored by TDM but their last settings are kept for documentation purposes.

#### Default Group

The Default group is not initially created, but is the first group created. The group can be assigned any name but it is recommended it be named Default. The Default group when created can only be assigned a configuration from a Tisio device. Once created the default group should be modified to contain the configuration that will be initially assigned to new groups.

When creating the Default group using the Add Group function, the Parent Group box is not selectable until an initial first group is created. The Unassigned and Archive groups can not be selected as parent groups.

See the section on **Creating Groups and Sub-Groups** and the section **View/Edit Group Settings** on how to modify the Default groups settings.

## **Creating Groups and Sub-Groups**

When creating a group you can create a top level group or subgroups. When the new group is created, a configuration is initially assigned. The configuration can come from another group, a parent group or an existing Tisio device.

🖉 Add Group	×
Group Name:	New
Parent Group:	Corp 💌
Reference Group:	Corp 💌
O Reference Device:	TTC-0014850e75b9 🔻
Time Zone:	Pacific Standard Ti 💌
Description:	
Add	Cancel
Java Applet Window	

#### Figure 14 - Add Group window

The Add Group window provides for the following settings and values:

Group Name - Defines the name of the group.

- **Parent Group** If checked a new sub-group will be created under the selected parent group. The configuration and connections assigned to the new group is inherited from the parent group.
- **Reference Group** When Parent Group is unchecked and Reference Group is enabled, a new top-level group will be created. The configuration assign to the new group is inherited from the group selected.
- **Reference Device** When Parent Group is unchecked and the Reference Device is enabled, a new top-level group will be created. The configuration assigned to the new group is inherited from the device selected.

**Time Zone** – Select the time zone associated with the new group. The time zone value should match the time zone of the Tisio Tisio thin clients added to this group.

**Description** – Display or add the description of the new group.

#### Creating a new sub-group

Whenever creating a sub-group the initial assigned configuration is inherited from the parent group. To create a new sub-group:

1. Open the Tisio Device Manager and click on the **Groups** button.

![](_page_34_Picture_7.jpeg)

**Figure 15 - Opening Groups Under Device Manager** 

- 2. Click on the **Add Group** button that appears below and enter the name of the new group in the dialog box provided.
- 3. From the **Parent Group** drop down box, select the parent group for the new sub-group.
- 4. Click on **Add** button to finish creating the new sub-group.

#### Creating a new top level group

When creating a top level group the initial assigned configuration is inherited from a selected Tisio thin client device. To create a new top level group:

1. Open the Tisio Device Manager and Click on the Groups button.

- 2. Click on the **Add Group** button and enter the name of the new top-level group in the dialog box provided.
- 3. Deselect the **Parent Group** so it does not create a sub group.
- 4. Click on the radio button **Reference Device:** and from the drop down box select the name of the Tisio thin client device. The configuration and connection setting of the device will be applied to the new group.
- 5. Select the local Time Zone and click on the button Add.

## **Copying Groups or Device Configurations**

The Tisio Device Manager allows the configuration of a group or device to be copied to another group using the **Reference Terminal** button. Every group defined in the Tisio Device Manager contains configuration information. The group's configuration information defines the settings and connections of all the Tisio thin client devices associated with the group.

Follow these steps to copy the configuration information from an existing device or group to a group using the **Reference Terminal** button.

- 1. Open the Tisio Device Manager and Click on the Groups button.
- 2. Click on a device or group you want to copy the configuration settings from.
- 3. Click on the **Reference Terminal** Button to to select a target group or Tisio device.

![](_page_36_Picture_2.jpeg)

Figure 16 - Copy/Modify Group Settings

- 4. In the dialog Window, choose the Group name or Tisio device to copy the configuration settings to and click **Copy**.
- 5. The group or Tisio device selected above now contains the same configuration settings as the group or Tisio device previously selected in step 2.

## **View/Edit Group Settings**

The Tisio Device Manager allows the configuration settings assigned to a group or device to be viewed and edited. This offers Administrators the ability to modify the configuration settings of a Tisio device remotely. The Managed Device view or the Group view allows device or groups to be selected for modification of configuration settings. The View/Edit button opens a separate window allowing access to view and change settings associated with a group or individual device.

To modify any settings for a group or Tisio thin client device, follow these steps:

- 1. Open the Tisio Device Manager and select either the **Managed Devices** button or the **Groups** button.
- 2. Select a Tisio thin client device, top-level group or sub-level group to view or edit.

![](_page_37_Picture_7.jpeg)

Figure 17 - View/Edit and Groups selection

Select **View/Edit Button** to open configuration details on the selected Group or terminal.

The Configuration Details window will allow all connections and settings for a Group to be modified and saved.

Configuration details of Corp		X
P- 🖳 Corp	Parameter	Value
- 🗐 ICA Ctrix Client	Connection Name	Internet Explorer Connection 1
	Start Page	
📕 🗐 RDP Client Con	Search Page	=
P Internet Explorer	No New Window	
ThinCCo Device Cli	Smooth Scroll	0
	Content Prefix	Content:
	Content Cache Limit	512
	Cookies Prefix	Cookie:
0dd	Cookies Cache Limit	256
nuu	····	• • • • •
Delete	Show expert features	Apply Changes
	Close	
Java Applet Window		

#### Figure 18 - Configuration Details of a Selected Group

- Select a Connection Type on the left pane to open the configuration details. The right pane contains the individual setting that can be changed for the selected connection. Make changes to any connection setting and click the **Apply Changes** button.
- The **Add** and **Delete** buttons can be used to create new connections or delete existing connections.

For more details see the Section below Using the Tisio Device Manager Configuration Details window see Error! Reference source not found..

### **Removing Groups**

Removing a group deletes the group, the configuration values associated with it and any sub-groups. Tisio devices are moved to the unassigned group. Removing groups is permanent and can not be undone. When group is deleted, a prompt is presented to confirm the deletion operation. To remove a group or sub-group:

- 1. Open the Tisio Device Manager and click on the **Groups** button.
- 2. Select the group or sub-group to delete and click on the **Delete Group** button.
- 3. When presented with the **Confirm delete operation** window, click **yes** to delete the group.

## Adding Members to a Group or Sub-Group

You can add members through the Tisio Device Manager, identifying them by the devices name.

Device Manager collects and updates information on Tisio device when the devices power on. The Tisio devices are assigned to an Unassigned Group and from this list you can add Tisio devices to a Group or sub-Group you have created.

To add a new managed Tisio device using **drag and drop** of from the **TDM menu buttons**:

- 1. Open the Tisio Device Manager and click on the Groups button.
- 2. Select the Tisio device from the unassigned group.

![](_page_40_Picture_2.jpeg)

Figure 19 - Groups and device selection

- 3. If using **drag and drop** press the first mouse button and drag the selected device to a desired group. When the mouse pointer is over a valid group choice, indicated by a small box next to the mouse pointer, release the mouse button and answer yes to the dialog prompt.
- 4. If using the Add to Group button menu, click on it.

![](_page_40_Picture_6.jpeg)

#### Figure 20 - Adding a device to a Group

- 5. Select the group from the dialog window and click OK.
- 6. The Selected device should now be in the group selected.

## Management Tasks – Deploy Software

The Deploy Software window contains a list of software packages for all managed Tisio devices. Software packages consist of software modules specifically designed for use on Tisio devices. These software packages can be a new O/S release, O/S updates, add-on components or add-on updates. Some examples of add-on update packages are the RDP and ICA clients.

The Thin Client Cor	mpany					Rel. 1.0 (Bui	ld 2144)
ThinCCo D	eviceManag	er				Logout	Help
Managemt Tasks	Deploy Software						
Managed Devices		Name	Release	OS	Total Size	Update Poli	y
managet Devices	- 🕄 Tisio 90-1   T	COOL.STF LPD	1.2086	WinCE 5.0	38543	Update if New	ar 21
Groups	🗌 — 😫 Tisio 300-1	Citrix ICA Client	9.04.0.2086	WinCE 5.0	2393367	Update if New	er 21
Deploy Software		Microsoft Internet Explorer	6.0.2086	WinCE 5.0	369737	Update if New	er 21
		NCD Load Balanced Terminal Ser	2.11.9.2086	WinCE 5.0	705732	Update if New	er 21
Backup/Restore		Microsoft Remote Desktop Client	5.1.2086	WinCE 5.0	899071	Update if New	er 21
Administration		ThinCCo Debug Tools	1.0.2086	WinCE 5.0	565962	Update if New	er 21
		ThinPrint .print Client WinCE	5.5.221.2086	WinCE 5.0	855147	Update if New	er 21
Deploy Software		Neoware teemtalk for Windows CE	5.0.2-#41186B0	WinCE 5.0	2091820	Update if New	er 21
📈 Filter		Tisio Device	1.0.2086	WinCE 5.0	12943	Update if New	er 21
A dal Annelia estima		Ralink Technology RT61 802.11b	1.1.1.2.2086	WinCE 5.0	654168	Update if New	er 21
Add Application		ThinCCo Device Client	1.0.2086	WinCE 5.0	472121	Update if New	er 21
Delete Application		ThinCCo Windows CE OS Update	5.0.2086	WinCE 5.0	18150255	Update if New	er 21
Print Report							
		1					•
	Total install size:						
Info						Re	fresh

Figure 21 - Management Tasks - Deploy Software

The Deploy Software window also displays a list of all Tisio models, just left of the software packages. By default **All** is selected, showing all software packages for all Tisio models. Selecting one Tisio device type will display only those software packages compatible with that model.

## **Setting Upgrade Policy**

The Upgrade Policy controls when packages are deployed to Tisio devices and installed. The version of the software contained on the Device Manager is compared to the version of that installed on the Tisio device.

The Upgrade Policy can be set to:

- Upgrade if Newer: The software package is upgraded on the Tisio device if the version is at a higher level than on the Tisio device.
- Upgrade if Different: The software package is installed if the version does not match what is installed on the Tisio device. This setting can be used to down-rev a software package on the Tisio device.
- **Upgrade Disabled**: The software package is not installed on the Tisio device.

By default, when packages are installed on the Device Manager and made available to Tisio devices, the Upgrade Policy is set to **Upgrade if Newer**.

The Upgrade Policy setting is modified with a simple left click on the field and making another choice from the list box window.

## **Filtering Software Packages**

The Filter button can be used to add or remove fields from view in the Manage Devices window. The table below lists the fields that can be displayed under the Managed Device window.

Column Name	Field Description
Name	Software Package Name
Release	Software Package Version
OS	The Operating System type required for
	this Software Package.

Column Name	Field Description
Total Size	Software Package Size in bytes.
Upgrade Policy	Can be set to Upgrade if Newer, Upgrade if
	Different, or Upgrade Disabled.
Installed	Date this package was installed on the
	Device Manager server.

Press the button **T** Filter to add or remove fields from view for the Software Package window. The Select Filter attributes window is displayed.

😻 Select filter's attrib	utes	×
Column Name	Show State	Filter String
Name	<b>v</b>	
Release	<b>×</b>	
OS		
Total Size		
Update Policy		
Installed		
ОК		Cancel

#### Figure 22 - Filter Manage Device Window contents

The fields that are checked are displayed in the Manage Devices window. The use of the Filter String field enables matching text to be entered to limit which devices are displayed.

## **Adding Software Packages**

The **Add Application** button is used to install upgrade, additional or new software packages for deployment to Tisio thin client devices.

Note: When running Tisio Device Manager from a browser on a remote PC and adding software packages, the add software packages window will only have access the local PC's file

system unless a network mount has been made to the Tisio Device Manager server. Access to the application components is needed to install it on the Device Manager for distribution to clients.

To add a new software package:

1. From the Device Manager window, click on the button

Add Application to open the add software packages window. If the window does not appear, see the section below, titled **Special Requirements**.

😻 Select soft	ware for upload to server.	×
Look <u>i</u> n:	Kits	
📑 coollpd (	T61	
📑 device (	📑 tdbg	
FEC (	📑 thincco	
📑 ica 🛛 🔅	📑 thnprnt	
📑 ie 🛛 👔	📑 ttalk	
E LB (	📑 WinCE	
📑 rdp		
File <u>N</u> ame:	kit.xml	
Files of <u>T</u> ype	: Kit file.	•
		Open Cancel

Figure 23 - Adding Software packages window

 Browse to the Device Manager Kits directory. In each Kit directory there is a kits.xml file. Open the desired kit directory and select the kits.xml file, then click on the **Open** button. This will add the software kit to the Tisio Device manager.

#### **Special Requirements**

If choosing to run the Tisio Device Manager from a browser on a remote PC and requiring the add software packages task, the local

PC must grant special permissions under Java to allow the Device Manager server to access the PC's local file system.

Follow the instructions below to enable permissions under Java to allow the TDM server to access the PC's local file system.

1. Open the file *java.policy* using the text editor notepad normally found in the directory:

![](_page_45_Picture_5.jpeg)

C:\Program Files\Java\jre1.5.0\_06\lib\security

Figure 24 - Java security file location

2. Add to the end of the file the following text:

// Special Permissions for Tisio Device Manager SW upload
grant codeBase "http://10.0.0.1:8080/ThinCCo/\*" {
 permission java.security.AllPermission;
};

Where the IP address, 10.0.0.1 in this example, is the IP address of your Tisio Device Manager server.

- 3. Save the changes to the file java.policy and close all instances of your local browser window.
- 4. Open your local browser to the Device Manager server and the Add Application feature should now be functional.

## Management Tasks – Backup & Restore

The Backup and Restore window offers administrators an easy method of saving and restoring vital deployment and configuration information.

All vital device settings and group configurations are saved in a single archive directory and file. All saved archives are listed by the date they were created along with a user comment.

The Thin Client Company			
ThinCCo ThinCCo	DeviceManager		
Managemt Tasks	List of Backups		
Managed Devices	Date Comment 2006.10.13 Backup of Tisio Configurations		
Groups	2006.10.16 Backup of Corp X Tisio device		
Deploy Software			
Backup/Restore			
Administration			
Backup & Restore			
Edit comment			
Backup config			
Restore config			

#### Figure 25 - Management Tasks - Using Backup and Restore

From the Backup and Restore window you can:

- Backup the current Device Manager configuration
- Restore from a previously saved Device Manager configuration

- Change the comment field used to describe the backup

#### **Backup Configuration**

The **Backup config** feature is an easy way to save vital deployment and configuration of Device Manager data.

To backup the management data:

- 1. Under Management Tasks select **Backup/Restore**.
- 2. Click the button **Backup config** to open a comment dialog box, used for a description of the backup to be made.

🕲 Type a comment	×	
Backup of Corp X, Tisi	o devices	
OK Cancel		
0	odilool	

- 3. Enter a comment describing your current backup configuration.
- 4. Click on **OK**. When the backup is completed a Backup finished window will appear. Click on **OK**. The new backup will display under the List of Backups window.

#### **Restore Configuration**

The **Restore config** feature is an easy way to restore vital deployment and configuration data.

To Restore the management data:

- 1. Under Management Tasks select Backup/Restore.
- 2. Select the archive you wish to restore on the right side panel of the TDM Backup and Restore window.

- 3. Click the button **Restore config** to restore the backup.
- 4. When the restore is completed, a **Restore finished** window will appear. Click on **OK**.

#### **Edit Comment**

The **Edit comment** allows the user comment field to be modified for any existing archive.

To modify comments:

- 1. Under Management Tasks select **Backup/Restore**.
- 2. Under the List of Backups window, select the archive you wish to modify the user comment.
- 3. Click the **Edit Comment** button to display the **Edit Comment** dialog window. Modify the user comment and click **OK**.

## **Management Tasks – Administration**

The Administration window in the Tisio Device Manager enables the management of user access and a simple tool to register Tisio devices on the web site; www.thincco.com. At the top of the Administration window there are two tabs you can select.

From the Administration window – Devices Registration tab, you can:

- Register your Tisio product purchases
- Extend device Warranty options

From the Administration window - Users tab, you can:

- Create new user accounts and control user access
- Change user account settings and passwords
- Control user access by setting privileges
- Delete user accounts

## **Administration – User Accounts**

In today's computing environments security plays a vital role in data access. The User Accounts window allows administrators to define a secure environment, maintain and create user accounts to control access to management features under the Tisio Device Manager.

The Thin Client Company			
ThinCCo Managemt Tasks	Devices Registration Users		
Managed Devices	admin		
Groups	guest		
Deploy Software			
Backup/Restore			
Log			
Administration			
Administration			
Add User			
Delete User			
Edit User			

Figure 26 - Management Tasks - User Access Administration

#### **Default Account Restrictions**

The Tisio Device Manager Administration window restricts making certain modifications under the Users tab. The account restrictions include only allowing the password to be changes for the default users **admin** and **guest**. You are not permitted to modify permissions or delete these two default users' accounts.

#### Add and Edit User Accounts

The **Add User** allows a new user account to be created and to define the level of access. The **Edit User** allows the user account settings to be modified. To create a new or edit an existing user account:

- 1. Under Management Tasks click on the Administration button.
- 2. Select the Users tab at the top of the window and click on **Add User** or **Edit User** to display the User window.

😻 Add User				×
Name:	config			
Password:*	*****			
Confirm password:	*****			
Permissions				
U	View	Mod	ify Add	Delete
Devices	<b>V</b>	V	<b>v</b>	<b>V</b>
Groups	<b>V</b>	~	<b>v</b>	×
Software	<b>V</b>	V		
Backup	<b>V</b>			
Licence	<b>V</b>			
Administrative	<b>V</b>			
Select All		Unselect All		
Apply Cancel		1		

Figure 27 - Create or Edit User Accounts

- 3. Enter the user name and password you wish to create.
- 4. Select the appropriate permissions. Please see access control table below.
- 5. Click **Apply** to save the new user account or new settings.

#### **User Account Security and Controlling Access**

User account security controls user access to specific functions under the Tisio Device Manager. Access is controlled by setting permissions associated with a user account already created. To modify any of these permissions, see the previous section on Add and Edit User Accounts.

Column Name	Field Description
Devices - View	View all managed Tisio devices
Devices - Modify	Modify settings for all managed devices

Column Name	Field Description
Devices - Add	Add new Tisio devices to the managed list
Devices - Delete	Delete Tisio devices from the managed list
Groups - View	View all managed Group
Groups - Modify	Modify settings for all Groups
Groups - Add	Create new groups in the Groups window
Groups - Delete	Delete groups in the Groups window
Software - View	View software packages
Software - Modify	Modify settings of software packages
Software - Add	Add new software packages
Software - Delete	Delete software packages
Backup - View	View backup archives
Backup - Modify	Modify backup settings
Backup - Add	Create backup archives
Backup - Delete	Restore backup archives
License - View	View all license
License - Modify	Modify settings for licenses
License - Add	Add new licenses
License - Delete	Delete licenses
Administrative - View	View user accounts
Administrative -	Modify settings for user accounts
Modify	
Administrative - Add	Create new user accounts
Administrative - Delete	Delete user accounts

Figure 28 - User Account Access Control and Permissions

#### **Delete User**

The **Delete User** allows a user account to be deleted. The guest and admin user accounts are system accounts and are not allowed to be deleted.

To delete a non-system user account:

- 1. Under Management Tasks click on the Administration button.
- 2. Select the Users tab at the top of the window and select the nonsystem user account to be deleted.

3. Click on the Delete User button to remove the user account.

## **Administration – Device Registration**

The Administration – Registration window enable administrators to register Tisio product with ThinPATH Systems to activate product warranties.

To register your Tisio product:

- 1. Under Management Tasks click on the Administration button.
- 2. Select the Device Registration tab at the top of the window.

![](_page_54_Picture_8.jpeg)

Figure 29 - Management Tasks - Administrative Device Registration

- 3. Click on the Device Registration button to display the Register Devices window.
- 4. Enter the email account you used during the Customer Registration process on the web site, www.thincco.com. You must be registered as a customer to complete this procedure.

😵 Register Devices 🔀				
Email Address: mary@tek.com				
Register	MAC Address Model			
	0014850E	75B9	Tisio 90-1	
V Select All				
Next			Cancel	

Figure 30 - Registering Tisio Devices

- 5. Select the Tisio device(s) to register.
- 6. Click **Next** to display the Register Devices confirm window.

🕲 Register Devices 🛛 🔀			
MAC Address	Model		
0014850E75B9	Tisio 90-1		
To register the listed divices for "mary@tek.com" press the Send button			
Back Ser	nd Cancel		

Figure 31 - Confirming Device Registration

7. Click **Send** to register the selected Tisio products.

## **Managing Device Properties**

Device properties are user settings for Tisio terminals and consist of both configuration settings and connections. You can set most of the properties through Tisio Device Manager.

The configuration settings and connections can be defined on the Tisio device or under the Tisio Device Manager. The configuration settings and connections information is both uploaded and downloaded during power up of any Tisio devices. This information is available by opening the **Configuring Connections** window in the Tisio Device Manager.

Specific configuration settings and connections can be associated to a individual Tisio device, any group or sub-group. When opening the **Configuring Connections** window you are required to first select a individual Tisio device, a group or sub-group.

## **Distributing Device Properties**

The Tisio device properties are automatically exchanged with the Tisio Device Manager during power up. The distribution of device properties is controlled by the Tisio Device Client settings. On power up the Tisio device uploads its configuration settings and connection information to the Tisio Device Manager. Next the Device Manager checks for differences and downloads a new set of device properties. The configuration settings and connection information downloaded will take precedence of any local Tisio device properties.

## **Device Settings**

On a TisioTisio terminal, terminal properties are available in the Configuration Details window for the device name selected. The

Configuration Details window presents a series of Parameter and Value settings. Connections are also manageable from the Configuration Details window.

Configuration details of Sys_WinCE			x	
P-	Parameter	Value		
	Property Name	PCI/RTL81391	Ĥ	
Microsoft Internet Explorer	Display Adapter	VIA		
ThinCCo	Color Depth	True Color(32 bit)		
📙 🗍 Web1	Screen Refresh	60Hz		
Imerosoft Remote Desktop Chent     Imerosoft Remote Desktop Chent	Screen Resolution	1024 x 768		
- 🗐 ThinCCo Device Client	Video Mode Description			
ThinPrint .print Client WinCE	Video Adapter			
	Video Adapter Description			
	Video RAM	0		
	Video Adapter DAC Type			
	Installed Video Drivers			
	Video Driver Version			
	Monitor Type	UnKnown		
Add	Monitor Description			
Delete	Monitor Manufacturer		÷	
Undelete	Show expert features Apply Changes			
	Close			
Java Applet Window				

Figure 32 - TDM Configuration Details Window

Using the Tisio Device Managers Configuration Details Window, you can define Tisio device settings as follows:

**Tisio Device** – identifies general settings for the Tisio divice. They include:

- Settings for the keyboard and the mouse.
- Settings for the monitor, including resolution, refresh rate, a screen saver and highcolor.
- Basic settings for network addresses. Parameters that cannot be set globally, such as a static IP address, are on terminals but are not in Tisio Device Manager.

- Password protection and access options.
- Settings for Hotkeys. Allows Up and Down hotkey combinations to bring forward the next active or previous active session.
- Startup options for Num Lock, Caps Lock, and Scroll Lock.

**Tisio Device Client** – lets you assign a Tisio Device Management Server.

**Connection Settings** – These are listed in the Device Managers Configuration Details and are identified using the name of the local application such as Microsoft Remote Desktop, Microsoft Internet Explorer, Citrix ICA client and Teemtalk Terminal Emulator.

#### **Default Device Settings**

The default devi	ce settings on a Tisio terminal are as follows.		
	Factory Default Property Settings		
Attribute	Default Setting		
Keyboard	English (United States).		
Mouse	Right-handed.		
Character Repeat	The shortest delay; midway between the fastest and slowest rate.		
Desktop Area and Refresh Frequency	Best Available Using DDC.		
Screen Saver	Enabled, with a timeout of 20 minutes.		
IP Address	Get an address from a DHCP server. Existing IP address entries are removed.		
Enable DNS	Filled with data from DHCP.		
Enable WINS	Filled with data from DHCP.		
Password	No password.		
Pointer Speed	Four units above slow.		
Audio	67% volume.		

	Microphone disabled
Touchscreen	Disabled.
Server	Blank.
Hotkeys	Enabled.
Network	LAN connection; network speed is sensed automatically.
	DHCP timeout of 60 seconds; Management Server timeout of 5 seconds.
	Host resolution timeout of 5 seconds. Send count of 5.
Power	No settings.
Wireless	DHCP

## **Configuring Connections**

You can create connections for your Tisio terminals using the Device Managers Configuration Details window. In the Configuration Details window you can:

- Set up connections.
- Modify connections
- Remove connections.

The connections are listed by connection type and then by connection name. For a Tisio WinCE device, common connections are, Microsoft Internet Explorer and Microsoft Remote Desktop Client.

Configuration details of Sys_WinCE				
P-	Parameter	Value		
	Connection Name	ThinCCo		
Gill PC/RTL81391     Gill Microsoft Internet Explorer	Home Page	http://www.msn.com		
ThinCCo	Search Page	http://search.msn.com		
Web1	New Exe	IEconWiz.exe		
	New CmdLine Args			
- 🗐 ThinCCo Device Client	Client Class	1		
ThinPrint .print Client WinCE	Web Connection URL	http://www.thincco.com		
	Start Exe	iesample.exe		
	Delete Exe	IEconWiz.exe		
Add	Properties Exe	IEconWiz.exe		
Delete				
Undelete	Show expert features	Apply Changes		
Close				
Java Applet Window				

#### Figure 33 - Managing Web Connections

For a Tisio device connections type examples include:

#### Microsoft Terminal Server client connections

The Microsoft Terminal Server client uses the RDP protocol to connect to a Windows Terminal Server.

#### Citrix ICA connections

The Citrix ICA client uses the ICA protocol to connect to a Windows Terminal running Citrix Presentation Server or Server Citrix MetaFrame.

#### Microsoft Internet Explorer connection or Firefox Browser

Terminals can connect to the internet using the Microsoft Internet Explorer browser or a Firefox browser.

Additional client packages are available for your Tisio thin client to support other types of connections, including those for terminal emulators, and load balancing.

### **Defining Global Connections**

To define global connections for Microsoft Terminal Server client, Citrix ICA client and other Tisio clients a group must be created. In the group add a connection:

- 1. Select a group and click on View/Edit.
- 2. Click Add. The New Connection dialog displays.
- 3. Complete the wizard.
- 4. Once a Tisio devices place into this group it will be assigned the new connection on the next power cycle or reboot.

## Connecting Terminals to the Internet Using Microsoft Internet Explorer

To allow an Internet Explorer session:

- 1. Click on the add button and select IE Browser in the list of extensions and click Add.
- 2. Change browser preferences as appropriate. See the TisioTisio Terminal User's Guide for explanations of available options.
- 3. Click OK to create a new connection.

#### **Removing Defined Connections**

This procedure removes all connections of a specific type. It is recommended that you first remove all defined connections in order to create a clean state.

To remove all connections of a specific type:

- 1. Select the connection type or connection from the list and click on Delete.
- 2. Click Ok to confirm the delete.