



**Thinstuff XP/VS Server  
User Manual**

**Version 1.0.2**

**[www.thinstuff.com](http://www.thinstuff.com)**

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## 1 Introduction

Thinstuff XP/VS Server is a software solution for Windows XP Professional, Windows Vista Business (32bit) and Windows Vista Ultimate (32bit) „**Host**” computers which adds the ability that multiple Remote Desktop Protocol (RDP) enabled devices – “Clients” (e.g. Thin Clients, PDA´s, Windows PC´s, Linux PC´s Apple Computers etc.) can connect to the “**Host**” computer to access the same or different Windows applications and Resources (printers, drives, network connections etc.) of the “**Host**” computer simultaneously and independently in independent Windows Desktop sessions.

By using the Thinstuff XP/VS Server on a Windows „**Host**” computer together with “Thin Clients” instead of PC´s on all workplaces (“**Clients**”) a cost-effective Server Based Computing (SBC) solution for small to medium offices can be established.

That implies following benefits:

- Reduced maintenance cost because the applications only have to be installed once on the Windows „**Host**” computer instead of having to be installed on every workplace (“**Client**”) separately.
- Increased security because all data and applications can be controlled centrally on the Windows “**Host**” computer.
- Lower power consumption because “Thin Clients” consume about 70% less power than PC´s.
- Longer lifecycle because “Thin Clients” have no moving parts like e.g. fans; hard disks etc. and therefore have a substantially increased lifecycle.
- Lower acquisition cost because the acquisition of a Windows host system + XP/VS Server is much more cost-effective than a Terminal Server and also “Thin Clients” are much more cost-effective than PC´s.

### 1.1 System requirements

#### 1.1.1 Software

Windows XP Professional, Windows Vista Business (32bit) or Windows Vista Ultimate (32bit)

#### 1.1.2 Hardware

Minimum requirements for one „**Host**” user and one RDP user:

Windows XP

CPU: at least Pentium III 1 GHz or better  
RAM: at least 256MB

Windows Vista

CPU: at least Pentium IV 1 GHz or better  
RAM: at least 512MB

Recommended values each additional RDP user:

CPU: additional 100 MHz  
RAM: additional 64MB

## 1.2 Manufacturer´s notice

The Thinstuff XP/VS Server enables the parallel usage of the applications and hardware which are installed on the **"Host"** computer. Some applications are licensed for the on a single computer while other applications may be licensed for single or multiple users etc. It is the liability of the XP/VS Server purchaser/user to read and comply with the licensing terms of any software that may be used via RDP.

It is also the liability of the XP/VS Server purchaser/user to read and comply with the licensing terms of the particular Windows operating system or to contact Microsoft for clarification about those licensing terms.

## 1.3 Terminology

The **„Host"** is the computer on which XP Professional, Windows Vista Business (32bit) or Windows Vista Ultimate (32bit) is installed.

The Client is the RDP enabled device (e.g. Thin Clients, PDA´s, Windows PC´s, Linux PC´s, and Apple Computers etc.)

## **2 Thinstuff XP/VS Server Installation and usage**

### **2.1 Installation of the Thinstuff XP/VS Server software**

#### **2.1.1 Requirements**

Following requirements must be fulfilled for usage of the XP/VS Server:

- Activation of the Microsoft „Remote Desktop“ feature of Windows in the Windows “Control Panel” – “System Applet”, Tab “Remote”. There you have to activate “Allow users to connect remotely to this computer”.
- Adding the “Remote Users” in the Windows “Control Panel” – “System Applet”, Tab “Remote”. Here you have to press the button “Select Remote users...” – and in the next dialogue with the Button “Add” you have to add the Users who should use the “Remote Desktop” feature.
- Unlock the RDP port in the Windows firewall. If Windows firewall is activated you have go to Windows “Control Panel” – Applet “Windows Firewall”, Tab “Exceptions” you have to add “Remote Desktop” for TCP port 3389 (if not already registered) or select (if already registered).

If you use a firewall solution of a third party manufacturer you should define an exception (unblock) TCP port 3389 for incoming connections. To do this pls. follow the instructions of the particular manufacturer of this firewall solution.

#### **2.1.2 Installation**

With the following steps you should be able to install the Thinstuff XP/VS Server in less than 5 minutes.

### **Step 1**

Download the XP/VS Server installer from <http://www.thinstuff.com/downloads-support/downloads/>, save it somewhere locally and execute the installer with a double-click.

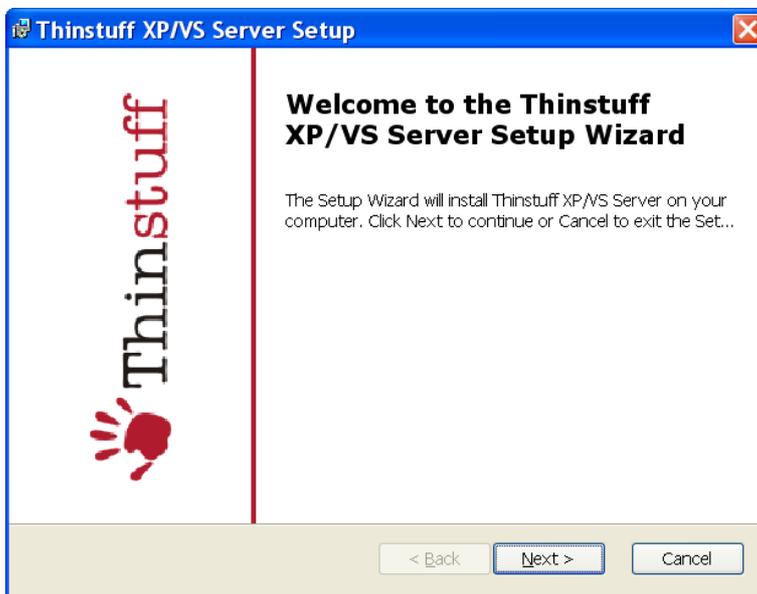
Thinstuff XP/VS Server is shipped as an .msi installation file with the following format:

"ThinstuffXPVSServer-majorversion.minorversion.svnrevision.builnumber.msi"

E.g. ThinstuffXPVSServer-1.0.41.1.msi

### **Step 2**

Welcome Dialogue. Select Next.



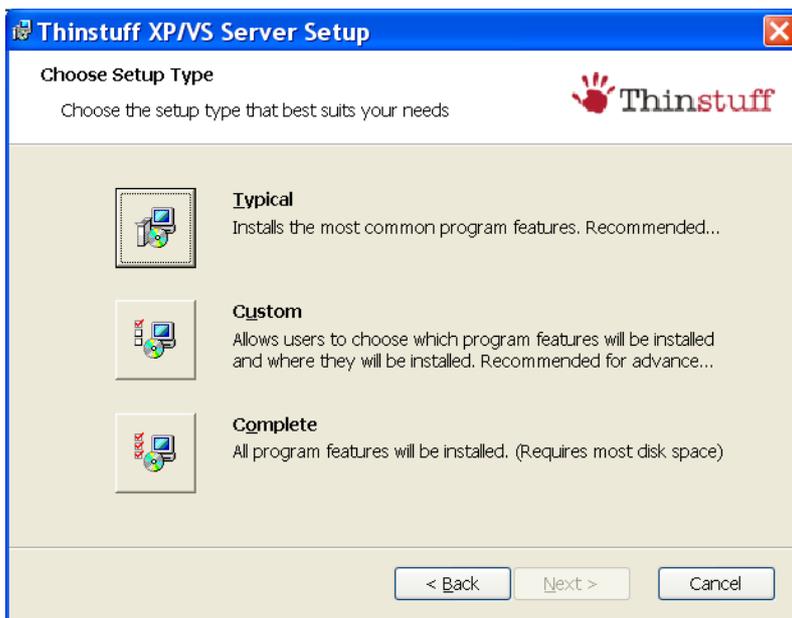
### Step 3

To proceed with installation you have to agree to the "End-user License Agreement" and the press "Next".



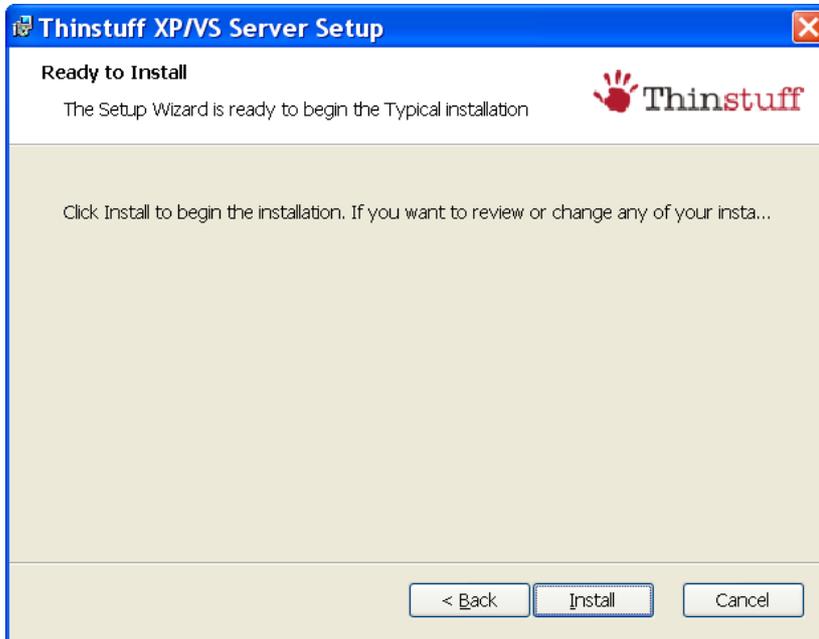
### Step 4

In this step select one of the buttons „Typical“, „Custom“ or „Complete“ and press "Next"



## Step 5

In this step select „Install“



Confirm the next dialogue with "OK" to proceed with the installation.



### **Remark!**

Without a valid license you can not use the software.

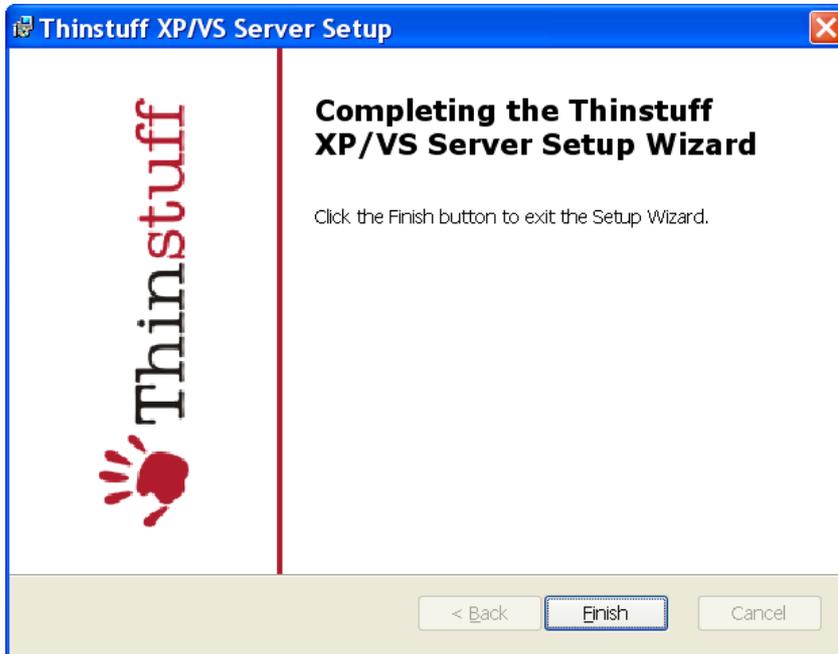
You will min. need a Demo License which is usually included in the demo package download from <http://www.thinstuff.com/releases/ThinstuffXPVSServer-latest-EN.zip> and has following restrictions:

- Works 14 days from install date
- Shows a dialogue after each RDP login, telling you that this is a demo version and not intended for commercial use.

**To use the software after expiration of these 14 days from install date you have to add a valid license (Demo License or Full License)!**

## **Step 6**

In the last step choose the button „Finish“.



***Congratulations!*** You have successfully installed the Thinstuff XP/VS Server and can now use it.

### ***Remark!***

Now you should continue with Section 2.2.1 to add a valid license!

## 2.2 Usage of the "Thinstuff XP/VS Server Administrator" program.

This section explains the Features of the "Thinstuff XP/VS Server Administrator" program.

### 2.2.1 Licensing

In this section you will learn all you need to know about „Thinstuff XP/VS Server Licenses“.

#### 2.2.1.1 What is a "Thinstuff XP/VS Server License"?

A "Thinstuff XP/VS Server License" allows you to simultaneously connect a specific amount of **Remote Desktop connections** (currently 3, 5, 10 or unlimited connection licenses exist) to a Windows **"Host"** computer on which Thinstuff XP/VS Server is installed.

There are following "Thinstuff XP/VS Server" Licenses:

- „Thinstuff XP/VS Server **Demo Licenses**“

For one "Thinstuff Account" you can create max. One "Thinstuff XP/VS Server **Demo License**" which is valid for 14 days from creation date (date when it was created in your "Thinstuff Account"). After those 14 days you will not be able to establish any more Remote Desktop connections to the Windows **"Host"** computer on which "Thinstuff XP/VS Server" is installed. To continue using the "Thinstuff XP/VS Server" you will then have to buy a valid "Thinstuff XP/VS Server **Full License**".

- "Thinstuff XP/VS Server **Full Licenses**" usually have following format: "license\_serialnumber.tlic". e.g. „license\_83.tlic“.

A **not activated** "Thinstuff XP/VS Server **Full License**" is usually valid for 14 days from creation date. (Date when it was created in your "Thinstuff Account") After those 14 days the so called "grace mode" begins which will show following warning message on the system console:



Thus you should "activate" your "Thinstuff XP/VS Server License" in your "Thinstuff Account" within 14 days from install date.

**Remark!**

"Thinstuff XP/VS Server **Full Licenses**" have to be activated in your "Thinstuff Account" within 14 days from install date!

If you only change a small part of your hardware components (e.g. network card or hard disk) your license does not have to be activate again.

In case the hardware of your Windows "**Host**" computer where your XP/VS Server was installed with an already "activated" license has to be completely replaced due to hardware failure or any other reason pls. contact your reseller or send a mail to [xpvs-support@thinstuff.com](mailto:xpvs-support@thinstuff.com)

"Thinstuff Licenses" (also not activated licenses) are always bound to a "Thinstuff Account"!

So you can only activate licenses which already exist in your "Thinstuff Account"!

The "activation" of your "Thinstuff XP/VS Server Licenses" is only possible in your "Thinstuff Account".

Your licenses also remain stored in your "Thinstuff Account" after you download them so can access them at any time later.

### 2.2.1.2 What is a "Thinstuff Shop Coupon"?

A "Thinstuff Shop Coupon" is a voucher code with which you can redeem licenses for Thinstuff Products in your "Thinstuff Account".

You will get this "Thinstuff Shop Coupon" when you purchase the "Thinstuff XP/VS Server".

"Thinstuff Shop Coupons" consist of 24 digits (6 blocks of 4 digits separated with hyphens) e.g. „6220-0540-6299-4397-2460-9030“

### 2.2.1.3 What is a "Thinstuff Account"?

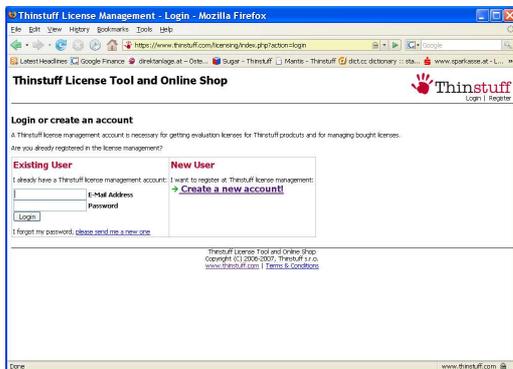
As "registered" User you can do the following things in your "Thinstuff Account" on <https://www.thinstuff.com/licensing/index.php?action=login>:

- Redeem „Thinstuff Shop Coupons“ into valid „Thinstuff XP/VS Server **Full Licenses**“, activate and download them
- Maintain your licenses.

- Per "Thinstuff Account" you can create and download max. 1 "Thinstuff XP/VS Server **Demo License**".
- etc.

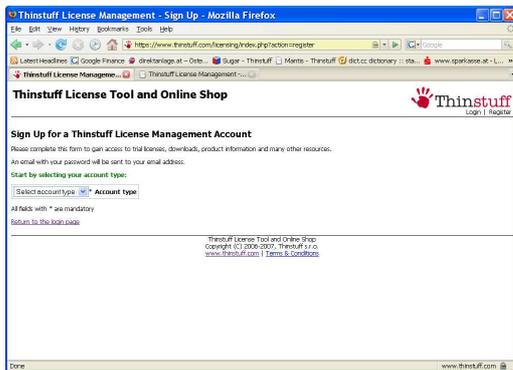
Following screenshot show the login dialogue to your „Thinstuff Account“. Here (upper right menu) you can also "register" to create your new a new "Thinstuff Account". If you forgot your password you can also reset your "Thinstuff Account" password and let Thinstuff send you a new one. (Below the password field "please send me a new one")

### Step 1



### Step 2

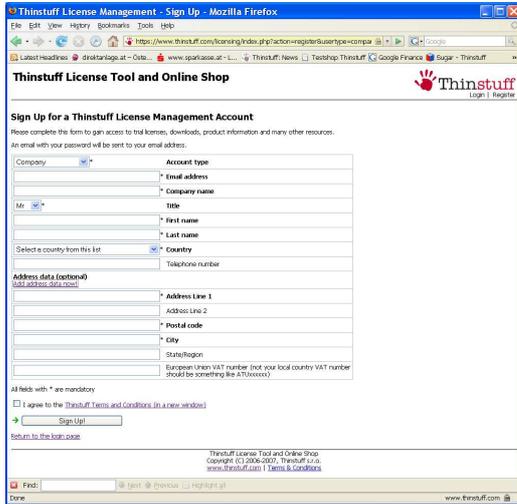
The following screenshot shows the dialogue for creating a new „Thinstuff Account“



### Step 3

All fields in the following dialogue which are marked with a "\*" are mandatory! With "add address data now" (link below the tel. No.) you can optionally also add your address data (mandatory for redeeming a "Shop coupon").

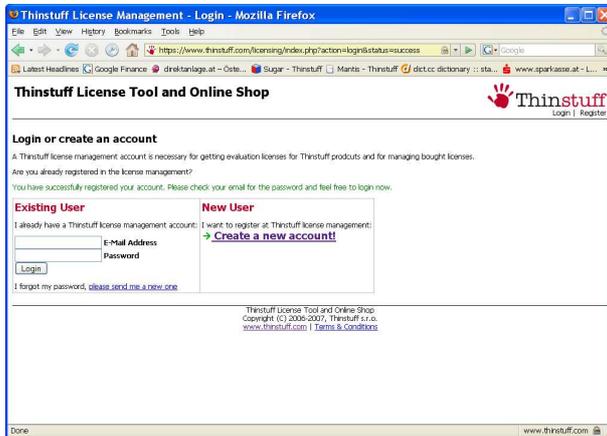
To finish the registration process you also have to agree to the “Thinstuff licensing terms and conditions” and press the “Signup!” button.



The screenshot shows a web browser window titled "Thinstuff License Management - Sign Up - Mozilla Firefox". The address bar shows the URL: <https://www.thinstuff.com/licensing/index.php?action=register&usertype=compa>. The page content includes the Thinstuff logo and the heading "Thinstuff License Tool and Online Shop". Below this is a "Sign Up for a Thinstuff License Management Account" section. It contains a form with the following fields: Company, Account type, Email address, Company name, Title, First name, Last name, Country (with a dropdown menu), Telephone number, Address data (with a dropdown menu), Address Line 1, Address Line 2, Postal code, City, and State/Region. A note states: "European Union VAT number (for your local country VAT number should be something like ATU12345678)". At the bottom of the form, there is a checkbox for "I agree to the Thinstuff Terms and Conditions (in a new window)" and a "Signup!" button. A "Return to the login page" link is also present. The footer of the page includes the text: "Thinstuff License Tool and Online Shop Copyright (C) 2006-2007 Thinstuff s.r.o. www.thinstuff.com | Terms & Conditions".

## Step 4

***Congratulations!*** You have now successfully created your new “Thinstuff Account” and can login with your username and password.



### ***Remark!***

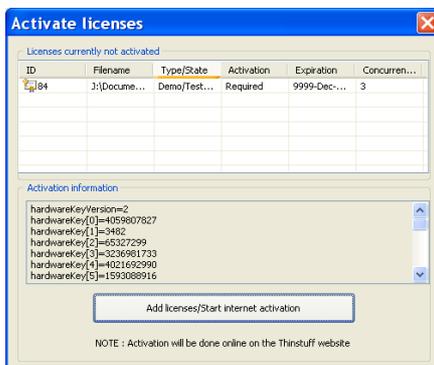
The login data (web link, username and password) are sent to the email address which you have entered in the field “Email address” in the previous dialogue.

### **2.2.1.4 How can you convert „Thinstuff Shop Coupons” into valid licenses, activate them and transfer them to your Windows “Host” computer where “Thinstuff XP/VS Server” is installed?**

“Thinstuff Fast path” allows you together with the “Thinstuff XP/VS Server Administrator” program to redeem your “Thinstuff Shop Coupon” into a valid license and also activate it in only one simple procedure!

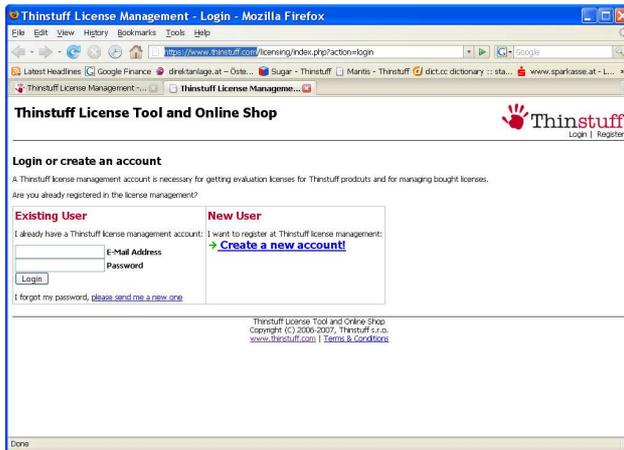
## Step 1

In the „Thinstuff XP/VS Server Administrator” program in the main menu select “File” – “Add/Activate License” and then press the button “Add Licenses/Start Internet Activation”



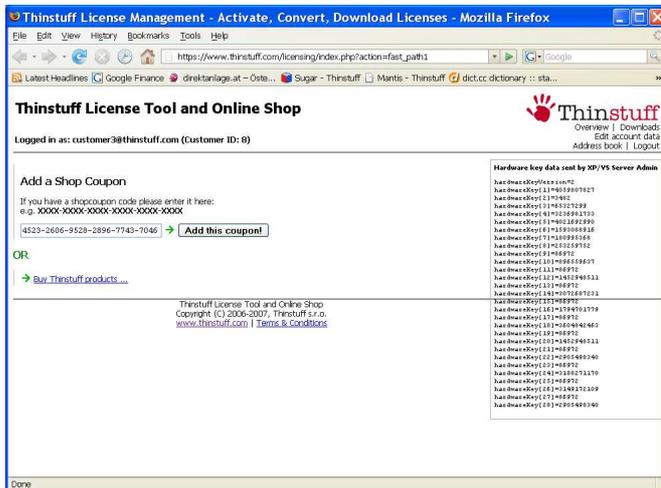
## Step 2

The previous step will start the Web Browser and show you the following login screen where you can logon to your "Thinstuff Account" to "redeem" your "Thinstuff Shop Coupon"



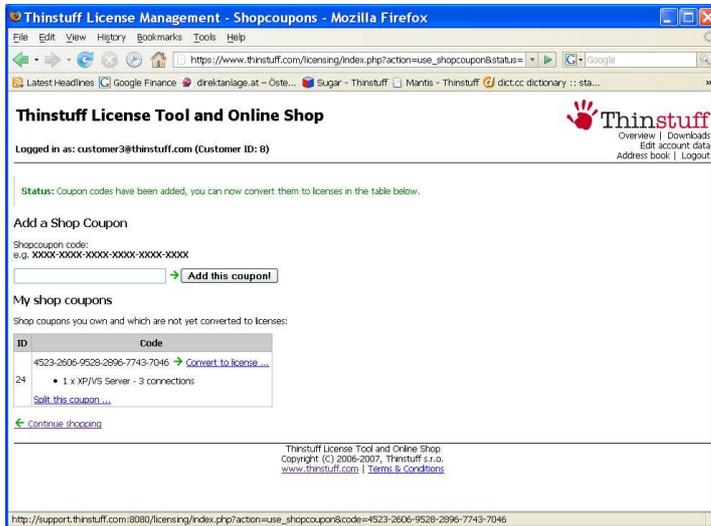
## Step 3

In this step you can add your "Thinstuff Shop Coupon" with the button "Add Coupon"



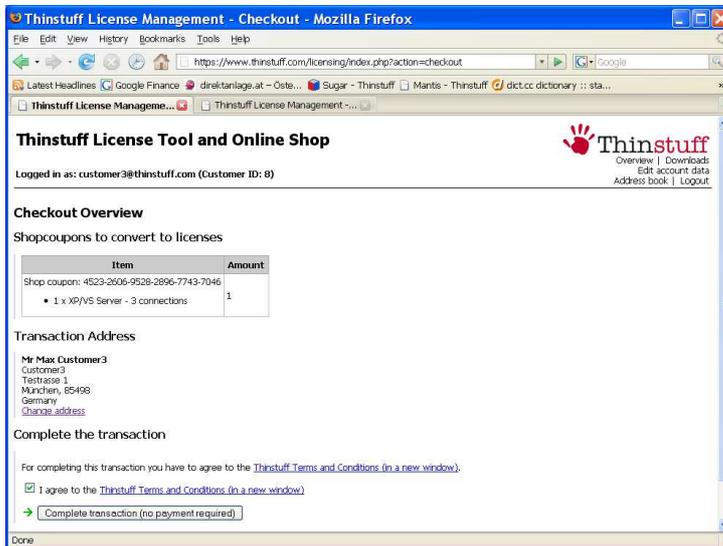
## Step 4

In this step you can now select your "Thinstuff Shop Coupon" which you want to redeem.



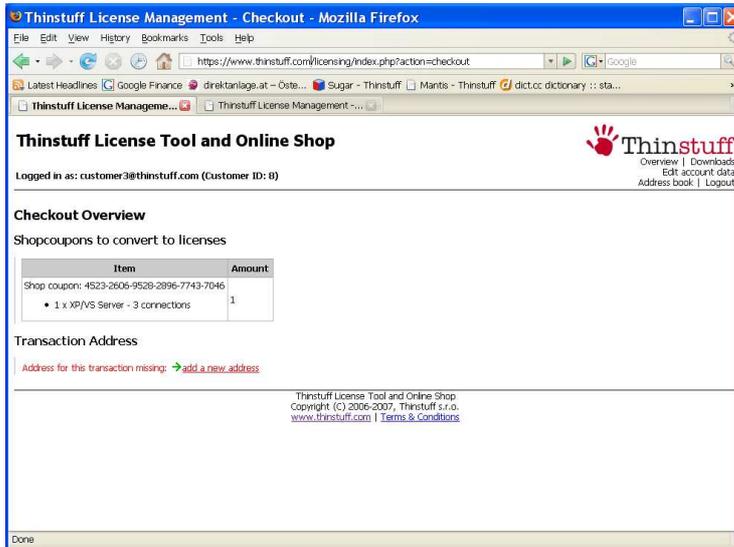
## Step 5

In this step you can redeem the selected "Thinstuff Shop Coupon" into a valid license. You also have to agree to the "Thinstuff Terms and Conditions" to continue.



### Remark!

If you have not already added your address data to your „Thinstuff Account“ you will have to do this **one time** now via "add a new address" before you can continue.



**Thinstuff License Management - Checkout - Mozilla Firefox**

File Edit View History Bookmarks Tools Help

https://www.thinstuff.com/licensing/index.php?action=checkout

Latest Headlines | Google Finance | direktanlage.at - Oeta... | Sugar - Thinstuff | Mantis - Thinstuff | dict.cc dictionary :: sta...

Thinstuff License Management... | Thinstuff License Management...

**Thinstuff License Tool and Online Shop**

Logged in as: customer3@thinstuff.com (Customer ID: 8)

Overview | Downloads | Edit account data | Address book | Logout

**Checkout Overview**

Shopcoupons to convert to licenses

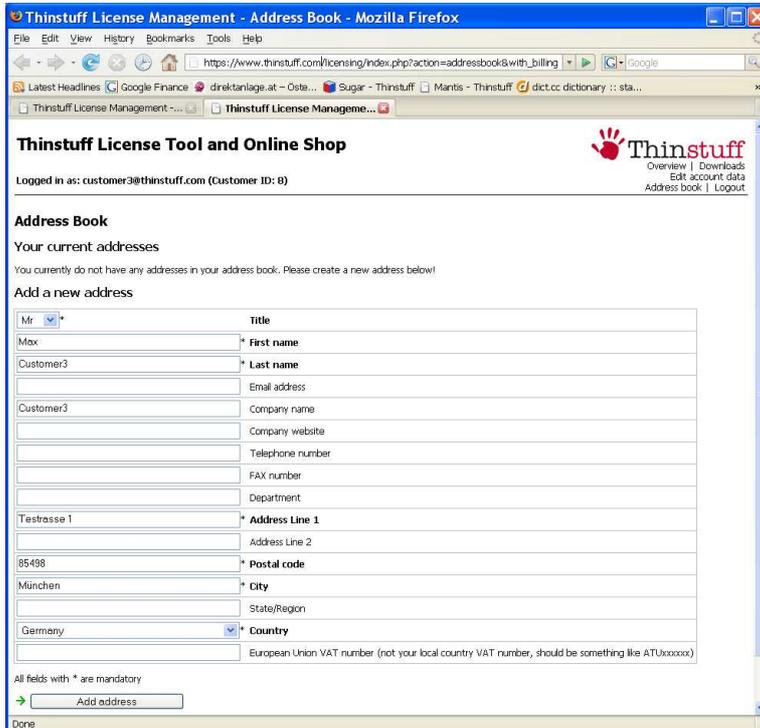
Item	Amount
Shop coupon: 4523-2606-9528-2896-7743-7046	
• 1 x XP/VS Server - 3 connections	1

Transaction Address

Address for this transaction missing: → [add a new address](#)

Thinstuff License Tool and Online Shop  
Copyright (C) 2006-2007, Thinstuff s.r.o.  
[www.thinstuff.com](http://www.thinstuff.com) | [Terms & Conditions](#)

Done



**Thinstuff License Management - Address Book - Mozilla Firefox**

File Edit View History Bookmarks Tools Help

https://www.thinstuff.com/licensing/index.php?action=addressbook&with\_billing

Latest Headlines | Google Finance | direktanlage.at - Oeta... | Sugar - Thinstuff | Mantis - Thinstuff | dict.cc dictionary :: sta...

Thinstuff License Management... | Thinstuff License Management...

**Thinstuff License Tool and Online Shop**

Logged in as: customer3@thinstuff.com (Customer ID: 8)

Overview | Downloads | Edit account data | Address book | Logout

**Address Book**

Your current addresses

You currently do not have any addresses in your address book. Please create a new address below!

Add a new address

Mr *	Title
Max	First name
Customer3	Last name
	Email address
Customer3	Company name
	Company website
	Telephone number
	FAX number
	Department
Testrasse 1	Address Line 1
	Address Line 2
85498	Postal code
München	City
	State/Region
Germany	Country
	European Union VAT number (not your local country VAT number, should be something like ATUxxxxxx)

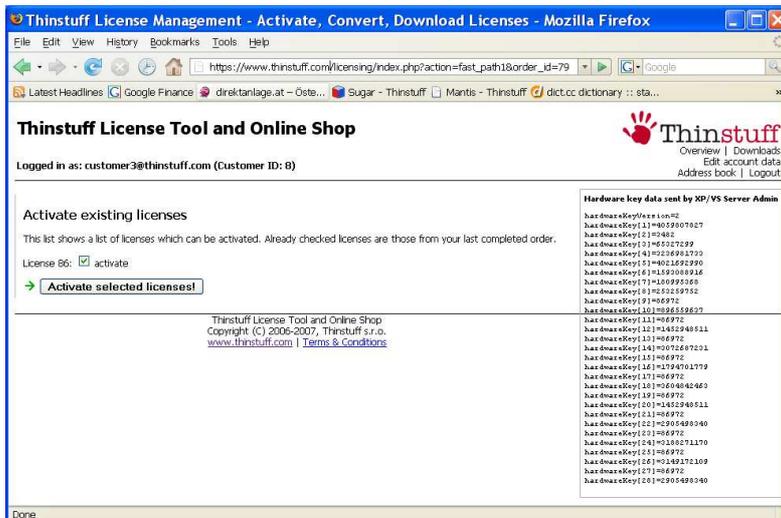
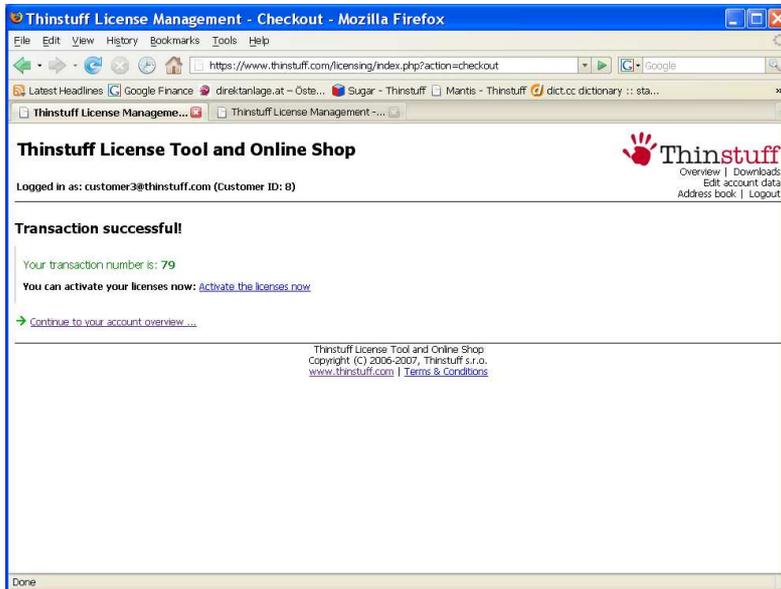
All fields with \* are mandatory

→ Add address

Done

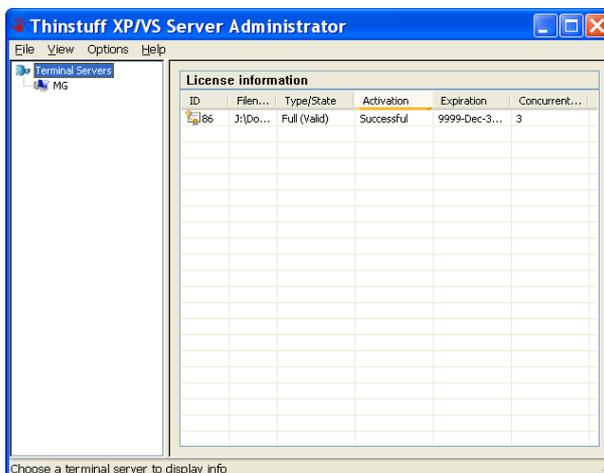
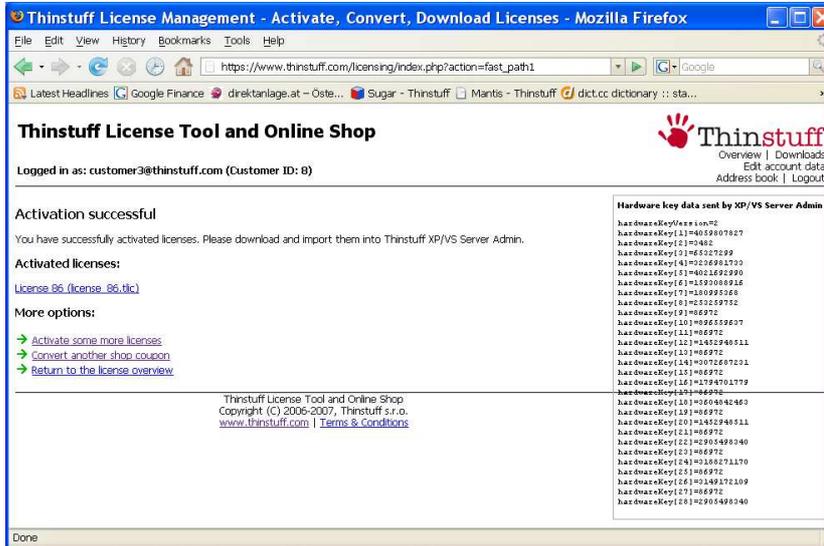
## Step 6

In this step you can activate your "Thinstuff License" with „Activate the License now“.



## Step 7

In this step you can download and import your activated “Thinstuff license” by selecting the link below “Activated Licenses”.

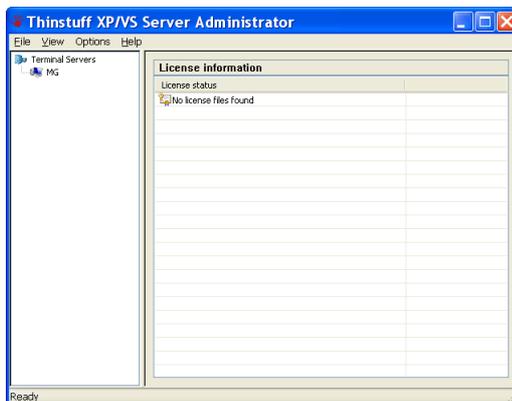


***Congratulations!*** You have now successfully redeemed your "Thinstuff Shop Coupon" into a valid license and activated this license.

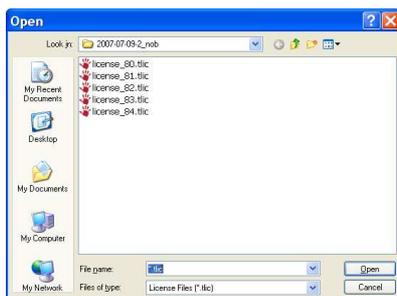
### 2.2.1.5 How can you maintain you licenses manually with the "Thinstuff XP/VS Server Administrator" program?

You can also manually maintain "Thinstuff XP/VS Server Licenses" with the "Thinstuff XP/VS Server Administrator" program

- Select "Import License from File" in the "Thinstuff XP/VS Server Administrator" program.



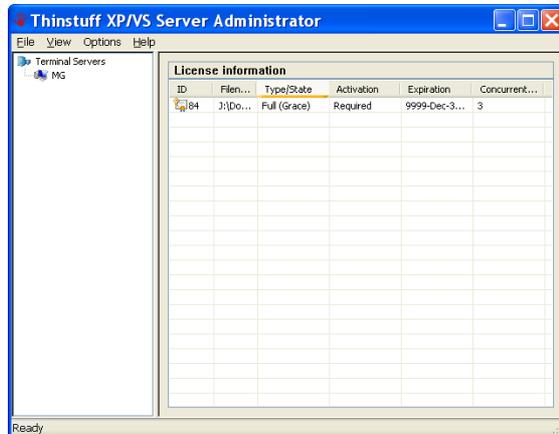
Select the license file and press "Open"



Then you will see the confirmation dialogue „License imported successfully“



...and you can see the imported license in the "Thinstuff XP/VS Server Administrator" program:

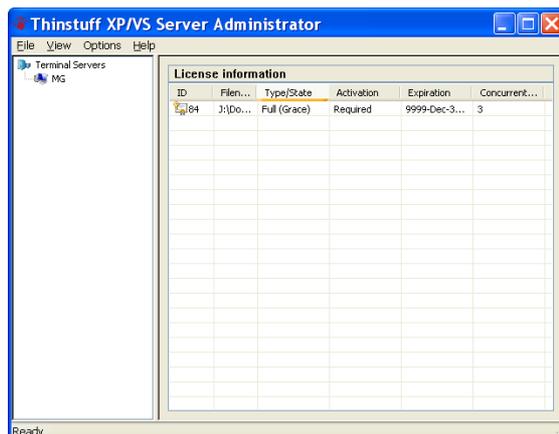


- Through file execution (e.g. double-click or „Run“) the license file (file with ending ".tlic", e.g. „license\_84.tlic“)

Like that you automatically import the license file and you will see the following confirmation dialogue:



If you start the "Thinstuff XP/VS Server Administrator" program you can see your imported license.

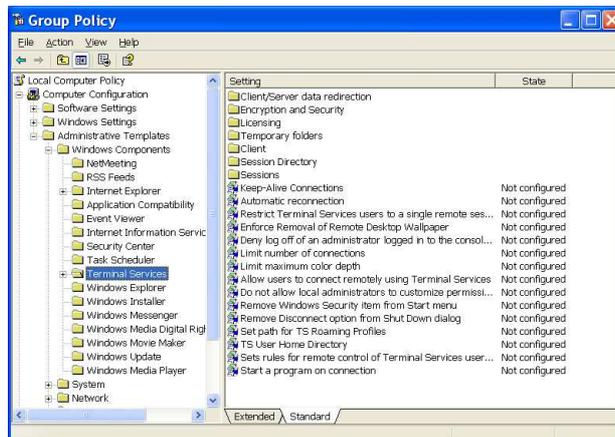
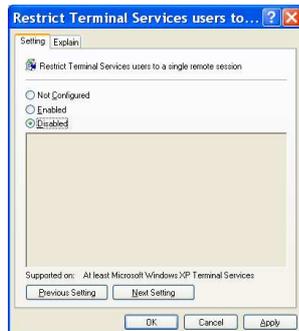


- By selecting a license and using the local menu (right mouse button) you can delete unused licenses or activate not activated licenses.

## 2.2.2 Further functions of the "Thinstuff XP/VS Server Administrator" program

- In the main menu – Options you can select „allow logins with blank Password“. This allows users who do not have a password set to establish Remote Desktop Connections to the Windows **"Host"** computer. This function is disabled by default for security reasons.
- In the main menu – Help- about you can see the program version of the XP/VS Server. This information can be necessary for support purposes.
- In the default settings users are limited to only one parallel Remote Desktop Session.

You can allow multiple parallel Remote Desktop Sessions per user by executing gpedit.msc under "Administrative Templates" – "Windows Components" – "Terminal Services" – and setting "Restrict Terminal Services user to a single remote session" to disabled.

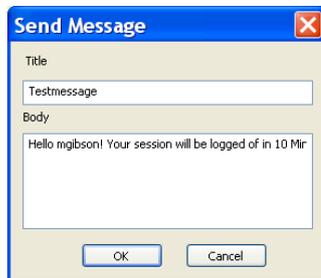


- In the local menu (right mouse button) you can select following options:



- Send Message

Here you can send messages to connected „Remote Desktop Users“



- Connect

Here you can connect to disconnected Remote Desktop Sessions.

- Disconnect

Here you can disconnect Remote Desktop Sessions

- Log Off

Here you can logoff connected Remote Desktop Sessions

- Remote Control

Here you can "remote control" Remote Desktop Sessions. This is e.g. useful for support purposes.

