

GrapeTC Lite User Guide

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About this guide.

This document describes basics for working with GrapeTC Lite operating system. It describes start and finish working with GrapeTC Lite and starting terminal sessions.

Besides this document consists of some additional information about advanced possibilities of GrapeTC Lite.

GrapeTC Lite version described in this document is 3.0.0.

Introduction and product overview.

Company profile and mission.

Grapecom Ltd. has been established in 2007 by a group of independent developers who had the vision to simplify solutions for server based computing (SBC). The experiences in SBC reaches back to 2003 with several projects in Germany and Russian Federation.

Nowadays Grapecom is one of the leading thin clients solution builder in eastern Europe.

With Grapecom solution GrapeTC Lite (thin client OS) and jGrape (more than only a thin client management, but powerful multifunction application server) you can greatly reduce total cost of ownership (TCO).

Grapecom has a small collective of technical specialists with experience in large projects in Germany and Russian Federation.

Headquarter of Grapecom is placed in Theodosia, Ukraine in Crimean peninsula the country of grape on the Black Sea cost.

We have own philosophy and own vision for terminal technologies. The parts of our philosophy is:

- **accessibility**: our software must be easy for using and managing and friendly for our customers.
- **power and extensibility**: our solutions must support as many features and protocols as necessary, we always okay to develop and implement new features, new software and new solutions.
- **other vision**: we try to find non standard ways in our solutions, new ideas which can make our solutions better, easier, faster and safer then others.

We already open for customers' wishes. We talk to you in Russian, English and German.

GrapeTC Lite.

GrapeTC Lite is an OS image created for easy and safe terminal access with many protocols.

GrapeTC Lite is modern, safe and fast operating system.

It's modern because it has possibility to connect to modern Windows and UNIX servers with supporting USB devices redirect and modern printers support.

It's safe because it can use encrypted protocols, it has included VPN client which can be used with Windows PPTP servers.

It's fast because it starts less then 30 seconds (8 seconds for Intel Atom editon) in default configuration and can be used even on i486 PC.

Besides GrapeTC Lite is extremely easy for using and also universal in use. GrapeTC Lite can be loaded over PXE booting or from internal/external IDE or USB device.

We hope You'll enjoy using GrapeTC Lite!

Supported protocols.

All widely used terminal protocols are supported by GrapeTC Lite, but if you are using other terminal connections types please contact us, we always open for new requests for developing new clients and features.

GrapeTC Lite supports*:

- MS terminal services (rdp);
- Citrix ICA (ica);
- VMWare View (vmware);
- NOMACHINE NX(nx);
- terminal emulation (xterm);
- X11 (x11);
- X11 applications over SSH (x11ssh);
- Voice IP SIP (voip);
- Firefox web browser (firefox);
- VNC (vnc);
- Mplayer (mplayer).

*Delivery may consists different clients and components.

Working with GrapeTC Lite.

Standard start.

After switching on your PC(Thin Client) please wait until GrapeTC Lite will start. Usually booting process takes less then 30 seconds.

If your device was configured for automatic starting session (most usual mode) you will be connected to your desktop/application right after system booting.

Otherwise you will be prompted for server address (see Picture 01).



Picture 01. Standard start.

In the case illustrated by Picture 01 you must type server name or IP address and press “Connect” button or Enter key (see Picture 02).

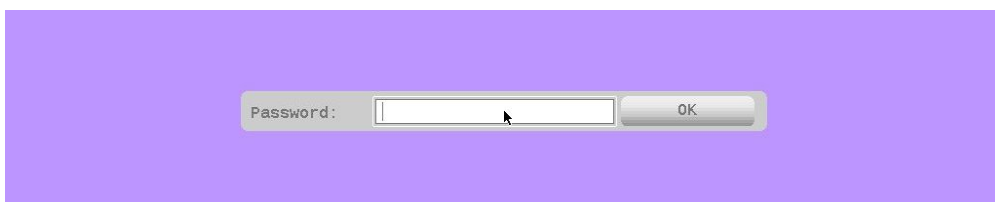


Picture 02. Server address input.

Advanced start.

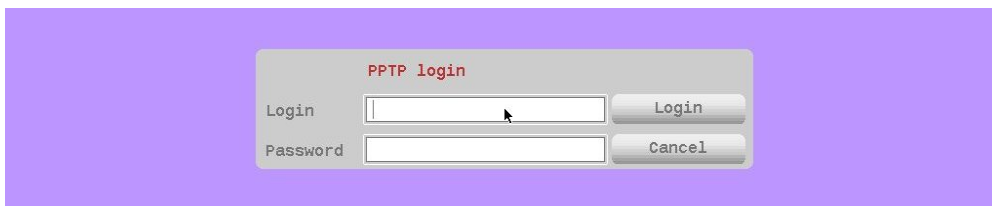
In some cases start procedure may be a bit more complicated.

Depends of session type your device configured for you may be prompted for password (see Picture 03)



Picture 03. Password prompt.

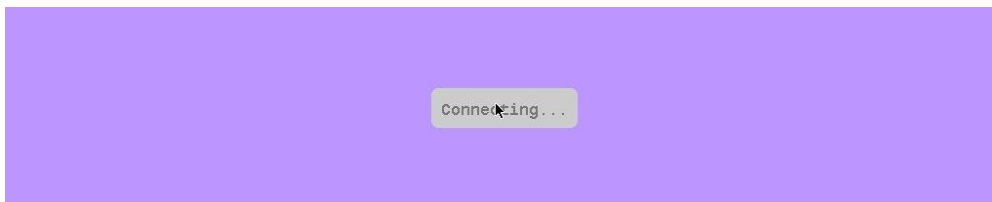
or/and VPN credentials (see Picture 04).



Picture 04. PPTP credentials prompt.

One of the possible useful features of GrapeTC Lite is a possibility to cancel rdesktop connection during connection establishing. This can be useful if server is temporary inaccessible or server name was wrong.

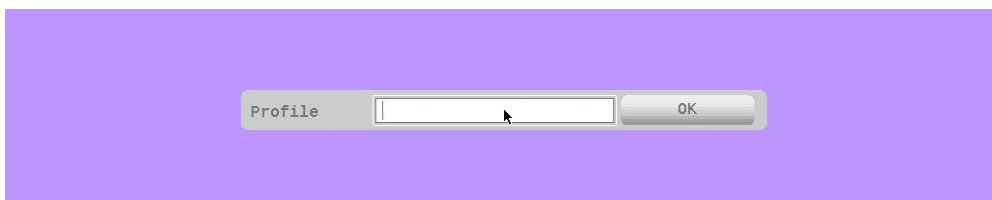
In this case you can press Esc button while connection establishing procedure (see Picture 05).



Picture 05. Connecting.

New features in GrapeTC Lite 2.

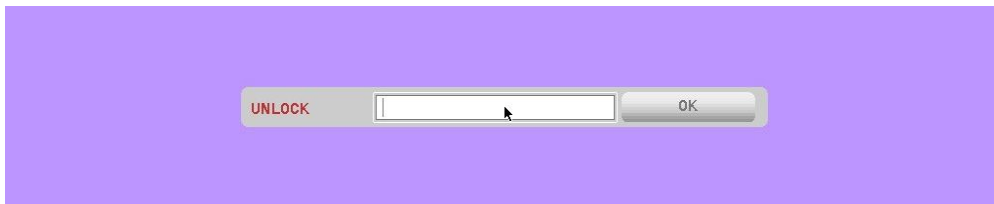
Some new features were added to 2 version of GrapeTC Lite. If you are using GrapeTC Lite 2 you can use profiles, i.e. personal named sets of settings. If profiles are activated you will be prompted for your profile name (see Picture 06).



Picture 06. Profile.

In some cases your settings can consist passwords for automatically connections to terminal servers or/and VPN servers. To avoid keeping your passwords in plain text mode there is a possibility to encrypt password in your settings by your own secret phrase. If your settings was encrypted you will be prompted for your secret phrase to unlock your settings (see Picture 07).

If you forget your secret phrase, you can continue working after 3 prompts of your secret. In this case all your settings will be kept, but not your passwords. For example if there are server name, user name and password saved in your encrypted configuration and you forget your secret phrase, you will be prompted for password for your terminal connection.



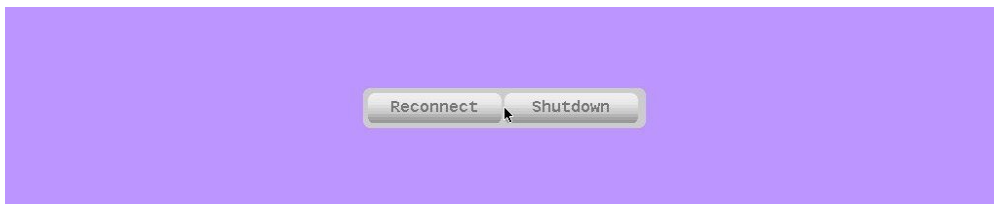
Picture 07. Unlocking options.

Finish working with GrapeTC Lite.

After logout from terminal session (or closing application) you will see the prompt for server name again or reconnect prompt (see Picture 08).

Use “Shutdown” button to shut your device down.

You can reboot your device by typing “reboot” as server name and pressing “Connect” (you can also try to type “shutdown”), but reboot is not a usual needed function for GrapeTC Lite. If you still need to easy reboot your device please use hot keys (see paragraph 5.2).



Picture 08. Reconnect.

Advanced information.

Remote VNC access.

When working with GrapeTC Lite, your device can be set to run VNC server. If somebody wants to connect your screen normally you will be asked for accepting connection (see Picture 09).



Picture 09. Allow VNC connection.

Hot keys.

You can use hot keys for reboot or shutdown your device. Hot key usually don't work in terminal sessions so normally you can use them when you prompted for input server name or recomment.

Use ctrl+alt+s key for shutdown and ctrl+alt+r key for reboot.

Be careful for using hot keys if you run seamless application instead of desktop session, some hot keys used for application can be the same and usually hot keys will work when seamless application is running.

GrapeTC Lite 2 Multisession.

GrapeTC Lite 2 has multisession. This means that it can run up to 8 terminal sessions in one time.

Every session will be represented as separate desktop. You will see desktops pager in left upper corner on screen, clicking on particular desktop you'll move to it (see Picture 10).

To switch between sessions hot keys can be used: Alt+Fx for going to particular session (Alt+F1 for first, Alt+F2 for second etc.); Alt+left or right arrow will switch to next or previous session.

When you switching to another session you will see session and host name in right upper corner of screen.

Some session types don't allow you to switch the sessions.

If you running rdesktop session use Ctrl+Alt+Enter to go to window mode then you will be able to switch a session, use the same combination to go to fullscreen mode again.

In Citrix ICA fullscreen mode use Ctrl+F2 to unlock hot keys and then you'll be able tj switch sessions.

In VNC session use F8 for menu, then exit fullscreen mode and you'll be able to switch sessions, use F8 menu to go to fullscreen mode again.

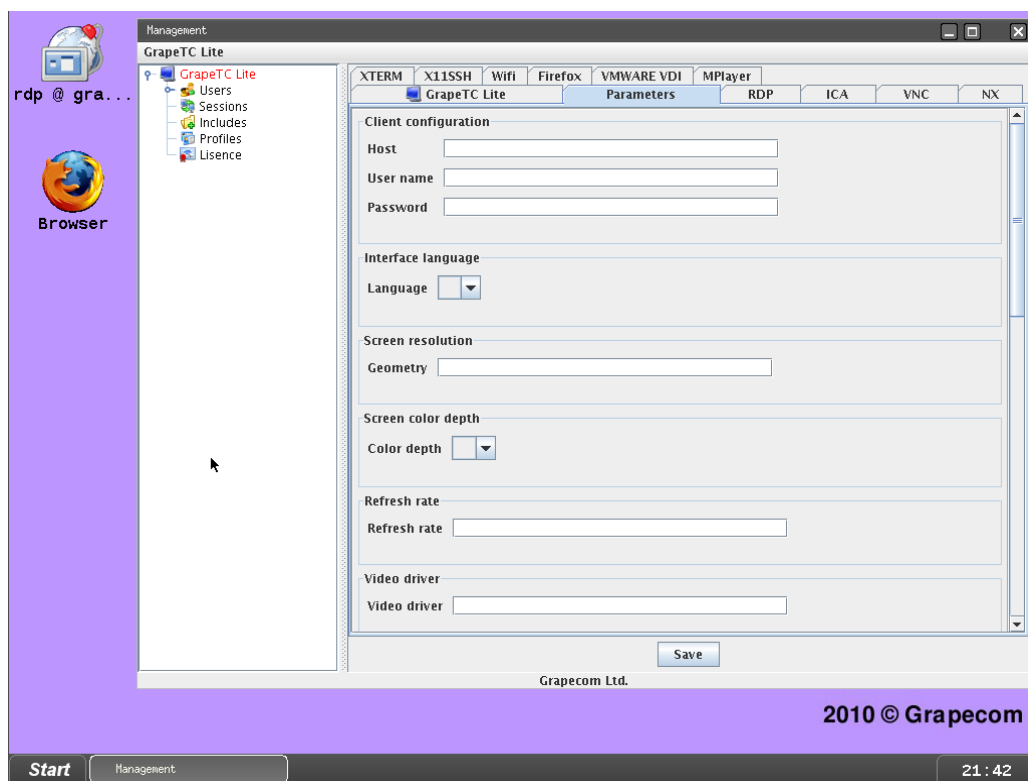
You still can not change sessions if you running NX connection in fullscreen mode.



Picture 10. Multisession.

GrapeTC Lite 3 Desktop.

The 3 version of GrapeTC Lite has a normal desktop for running multiple sessions (see Picture 11). You can use usual Start Menu and desktop icons for running connections. Use double-click for icons.



Picture 11. Desktop.

Other tricks and useful features.

- To finish VNC session use F8 key and exit session by popup menu.
- If you running Firefox you can save documents from the web directly to attached USB device.
- If you have few partitions on your USB storage only the first one will be accessible.
- If you see splash “DEMO MODE” in right upper corner of screen this means your GrapeTC Lite is not licensed and running in demo mode. In this case be careful for working in terminal sessions you can loose your data if connect will be closed unexpectedly. For your safety use demo mode only for testing and never for working.
- By pressing hot key F1 you can view license information of your copy of GrapeTC Lite.

Support information.

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Please visit our forum for getting basic free technical support: <http://grapecom.com/forum>