Cloud Desktop OS Quick Start Guide

Cloud Desktop OS and Connections

About Cloud Desktop OS

Cloud Desktop OS is a secure operating system pre-installed on your ClearCube thin client. The operating system enables thin clients to connect to any remote host (computer or virtual machine) or server-side technology. Supported products, protocols, and vendors include Citrix®, VMware®, RDP, browser-based connections, Dell®/Quest vWorkspace™, VNC®, Parallels®/2X®, SSH®/Secure Shell, Telnet, and more. The section below shows all supported connection types.

About Connections

Connections (or Sessions) are shortcuts that thin client users launch to connect to a remote host (such as a virtual desktop or a physical computer). Administrators use the Cloud Desktop OS Configuration application to create Connections. The table below shows all supported Connection types (and command shortcuts) that administrators can create.

Chooser (enables thin client user to select a Connection)	Parallels RAS/2X
Citrix/One application or desktop	RDP/FreeRDP
Citrix/Program Neighborhood®	Reboot
Citrix/StoreFront™	SPICE
Custom command	SSH
Dell/Quest vWorkspace™	OS shutdown command
Firefox® Web browser	TeamViewer®
GO-Global® (Windows®)	Telnet
Java® Web Start	VMware Horizon® View™
Legacy Citrix/Built-in PNAgent view [12.1 only]	VNC
Legacy Citrix/ICA® configurator [12.1 only]	XDMCP Broadcast
Legacy Citrix/ICA connect	XDMCP Indirect
Legacy RDP/rdesktop	XDMCP Query
NoMachine	XDMCP passive

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Cloud Desktop OS and Connections, Continued

About Connections (continued)

Users can launch connections from the Cloud Desktop OS Start menu or from desktop icons (if desktop icons are permitted in the Configuration application). The picture below shows a Connection desktop icon and a Connection listed in Sessions menu.
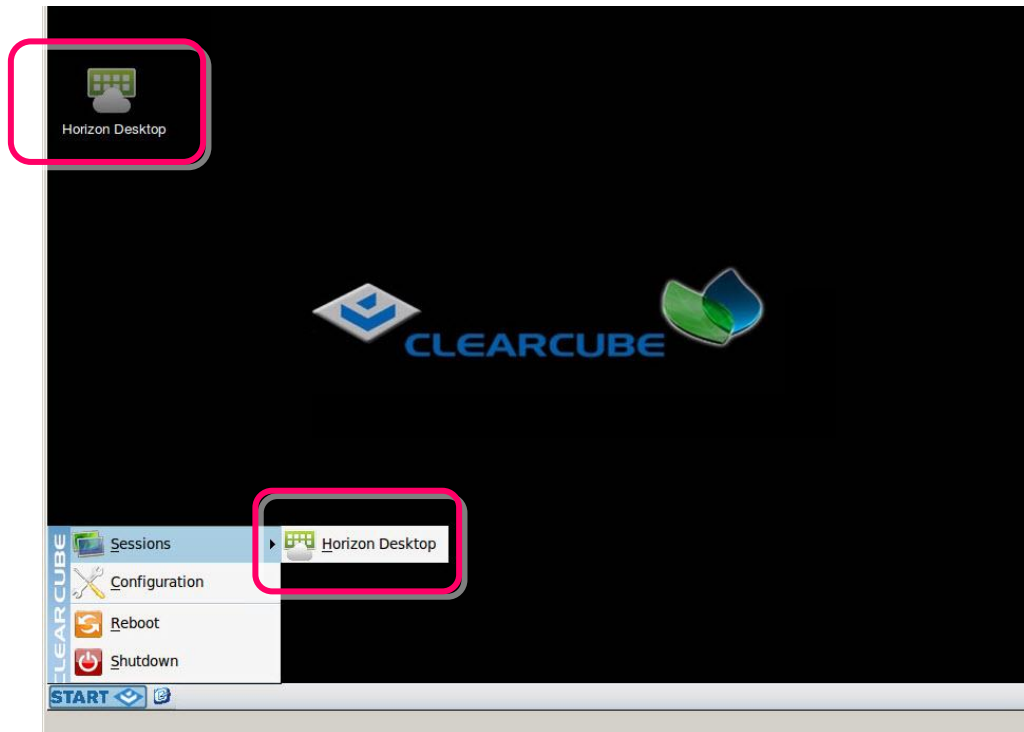

Figure 1. Connection (Sessions) shortcuts

Cloud Desktop management

NoTouch Center is the central administration tool for thin clients using Cloud Desktop OS. It is a feature-rich, Web-based management console. NoTouch Center provides client configuration attributes, automated client updates, asset management, and client security features.

Contact ClearCube Support for more information.

First-Time Wizard: Power on and First Connection

About the First-Time Wizard

Cloud Desktop OS displays the First-Time Wizard the first time you power on a thin client or after a factory reset. This wizard lets administrators create connections quickly by specifying a minimum number of Connection attributes. After creating a Connection, administrators can edit and create additional Connections using the OS's Configuration application.

The section below shows each step in the First-Time Wizard.

First Connection and Password

This section assumes you are powering on a thin client for the first time. See the Quick Start Guide included with your thin client for instructions about setting up the thin client.

The table below shows how to create a simple Connection and specify the administrator password.

Step	Action
1	Power on the thin client. **Result:** The thin client displays the BIOS splash screen then boots to the desktop. The First-Time Wizard starts and displays the **Step 1 - Location and keyboard** screen.
2	From the drop-down menus, select values for the **Time zone**, **Country**, **System locale**, and **Keyboard layout** fields.
3	Click **Next**. **Result:** The First-Time Wizard displays the **Step 2 - Create a connection** screen.
4	Click **Mode** to display a list of connection modes. Select the mode or protocol for the connection you are creating.
5	In the **Target** field, type the host name, URL, or IP address of the connection host or connection broker for the thin client. For example, if you are using VMware Horizon View, specify the connection server or security server.
6	Optionally, specify a group name in the **Resource** field if the host target is part of a resource group.
7	Optionally, select the **Automatic start** option to start the connection when the thin client is powered on.
8	Click **Next**. **Result:** The First-Time Wizard displays the **Step 3 - Set administrator password** screen.
9	Specify an administrator password. This is the password that administrators use to access the OS's Configuration application.

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First-Time Wizard: Power on and First Connection, Continued

First Connection and Password (continued)

Step	Action
10	Click **Finish**. **Result:** The First-Time Wizard displays a success message and places a connection shortcut on the desktop. Click the **Close** button in the upper-right portion of the screen to close the First-Time Wizard. (Desktop Connection icons are enabled by default. You can change this setting from the Configuration application.)

Next step: the Connection you created is placed on the desktop and is available from the Start menu (see Figure 2 below). See the section below for information about starting a Connection. For detailed information about additional configuration options, see "Configuration Application" below.

Starting a Connection

After creating a connection as shown above, users can start connections from the Start menu or from a desktop icon (if desktop icons are enabled in the Configuration application). The picture below shows a Connection desktop shortcut and a Connection listed in the Session menu.
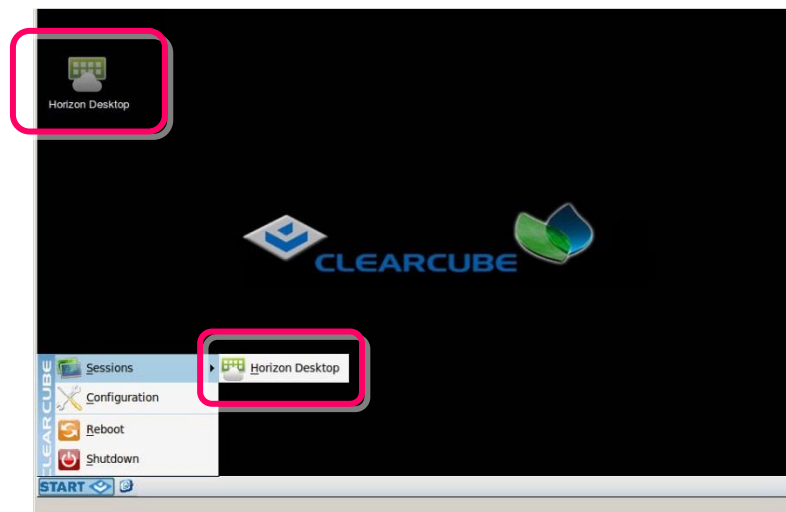

Figure 2. Connection (Sessions) shortcuts

The list below shows how to start a connection.

- Click **Start > Sessions**, and then select a **Connection**. (Alternatively, you can right-click an empty space on the desktop to display the Sessions menu.)

—OR—

- Double-click the Connection desktop icon.

   Administrators can permit or prohibit Connection icons from appearing on the desktop. Click **Start > Configuration** and enter the administrator password. From the menu's **Management** area, click **Connections > edit**. Select an option from the **Icon on desktop** field.

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Configuration Application

About the Configuration application

The Configuration application enables administrators to configure Cloud Desktop OS, create Connections, and edit Connections. (See the sections below for instructions about logging in to the Configuration application from a local thin client and from a Web browser.)

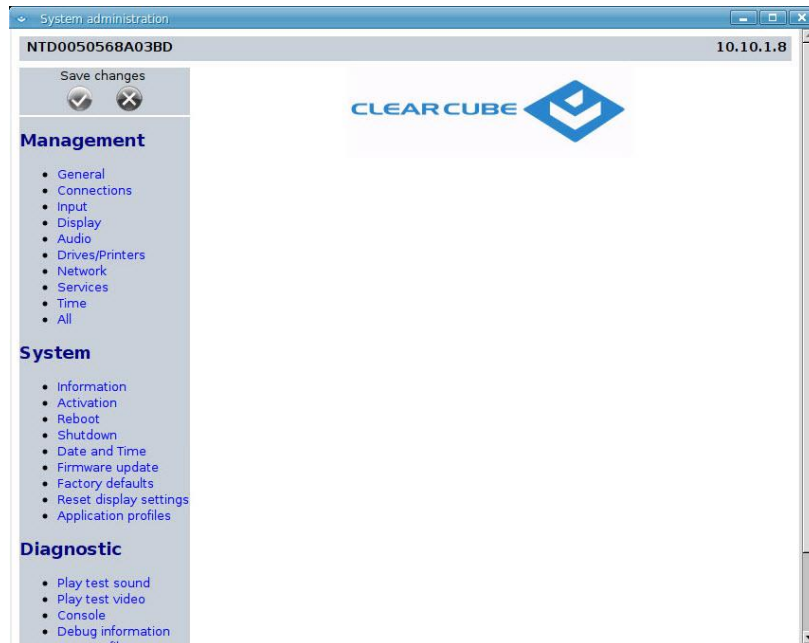The picture below shows the Configuration application menu.

Figure 3. The Configuration application menu

The Configuration application features are grouped in the following sections:
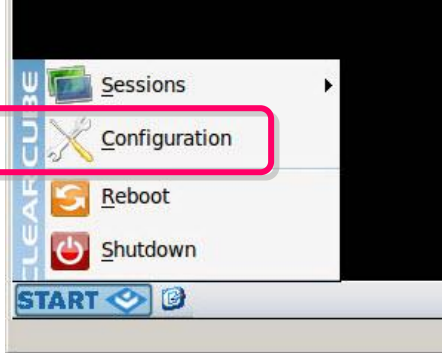
- **Management**
  This section contains Cloud Desktop OS settings for the user interface, Connections, displays, audio, networking, and system time.

- **System**
  This section contains device information, a licensing utility, certificate utility, an update utility, and profiles.

- **Diagnostic**
  This section provides a variety of test utilities, a system console, and more.

- **Generic**
  Enables logging out of the Configuration application

Logging in from a thin client

The steps below show how to start and log in to the Configuration application from a local thin client.

Step	Action
1	From the desktop, click **Start > Configuration**. The picture below shows the Configuration shortcut available from the Start menu. **Figure 4. Click to start the Configuration application** **Result:** The OS displays the System administrator Login screen.
2	From the Login screen, enter the Administrator password that you specified in step 9 above.
3	Click **Login**. **Result:** The OS displays the Configuration application.

Note that you can log in from a Web browser as shown in the section below.

Next step: from the Configuration application, you can create and edit Connection and modify OS settings. See "Creating and editing Connections" and "Additional Configuration menu items" below for more information.

Logging in from a browser

To display the Configuration application from a Web browser, enter the thin client IP address in a browser's address bar.

If you do not know the thin client's IP address, click **Start > Configuration** to display the Configuration application Login screen. The thin client's IP address is shown in the upper-right portion of the screen as shown below.

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Configuration Application, Continued

Thin client identification

The Configuration screen and Login screen show the thin client host name and IP address. The upper-left portion of the screens shows the default device host name (this uses an **NTD** prefix followed by the device's MAC address without any separators). The upper-right portion of the screen shows the thin client's IP address. The picture below shows the Configuration application Login screen.

Thin Client Host Name — NTD0050568A03BD

Thin Client IP Address — 10.10.1.8

Figure 5. Thin client identifiers shown in the Login menu

Creating and editing Connections

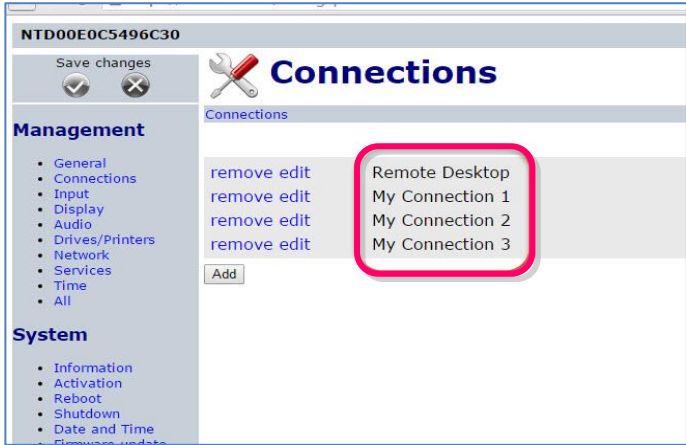The table below shows how to create a new Connection.

Step	Action
1	Click **Start > Configuration**. **Result:** Cloud Desktop OS displays the Login screen.
2	Log in as shown in the previous sections.
3	From the **Management** area, click **Connections**. **Result:** The application shows all existing Connections. **Figure 6. A list of Connections**

![ClearCube logo]

Configuration Application, Continued

Creating and editing Connections (continued)

Step	Action
4	Click **Add** to create a new Connection (alternatively, click **remove** to delete a Connection, or click **edit** to modify Connection settings). **Result:** Clicking **Add** creates a generic entry named `Connection` located at the bottom of the list.
5	Click the **edit** link adjacent to the generic Connection you just added. **Result:** The Connections / Connection screen is displayed. From this screen, specify the connection client/protocol to use and any additional connection-related parameters. The picture below shows the Connection details screen. **Figure 7. The Connection details screen**
6	From the Connection screen, specify connection attributes. The list below shows the required fields for most connection types: • **Connection name:** this is the Connection name displayed in the Session menu and (if permitted) on the desktop Connection shortcut. • **Connection mode:** specifies the connection client or protocol that the Connection uses. See "About Connections" above for a list of all supported Connection types. • **Connection target:** specifies the serve name, IP address, or URL of the remote host or connection broker. You can edit connections at any time.

Creating and editing Connections (continued)

Step	Action
7	Optionally, specify any number of additional parameters for the Connection.
8	Click **Change** located in the lower-right portion of the screen.
9	Click the **Save** button (　) located in the upper left portion of the screen. **Result:** A confirmation message is displayed. If the Connection is new, you can start the Connection immediately. If you are editing an existing Connection that has an active session, changes do not take effect until the Connection is restarted.

Additional Configuration menu items

The table below shows a high-level overview of the features included in each Configuration application menu.

Management	
General	Contains locale, system owner, environment variable, and Configuration application password information.
Connections	Contains a list of existing connections and enables administrators to create and edit Connections. Many session and user experience parameters are located in this menu.
Input	Contains settings for user input devices, including touchpads, touchscreens, mouse devices, and keyboards.
Display	Contains extensive hardware- and appearance-related settings. Submenus include Boot-up, Monitor, Screensaver, Local window manager, and X11 display settings.
Audio	Contains device, volume, and additional hardware-related settings.
Drives/Printers	Contains USB-, CD-ROM-, and floppy-drive-related settings. Submenus include Printers, Network drives, and Shared drives.
Network	Contains host- and domain-related settings. Submenus include TCP stack options, Predefined Hosts, DNS servers, DHCP options, and interface settings.
Services	Contains USB mass storage support settings. Submenus include FTP, many vendor USB-related settings, Smartcard, SSH server, and many more.
Time	Contains system-time-related settings.
All	Contains additional submenus, including Eventscripts, Security, Extensions, Ports, and more.

Configuration Application, Continued

System	
Information	This menu contains status and version information.
Reboot	Enables administrators to restart the local device.
Shutdown	Enables administrators to power off the local device.
Date and Time	Enables administrators to set the date and time for the local device.
Firmware update	Enables administrators to update device firmware from a Web server.
Factory defaults	Resets the local device to all factory defaults.
Reset display settings	Resets the display settings to factory defaults.
Diagnostics	
Play test sound	Click to start a utility that automatically plays multiple sound files.
Play test video	Click to start a utility that automatically plays multiple video files.
Console	Click to start a system console.
Debug information	Click to display device CPU, memory, and extensive DMI-related system details.
Support file	Click to create a Support file that you can send to ClearCube Support for troubleshooting assistance. A Support File is an archive containing runtime information, such as which system processes are running, a collection of all log files, and more.
Generic	
Logout	Click to log out of the Configuration application.

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Related information and Support

Related information

The list below shows additional information resources.

- **Thin client configuration**
  See the Quick Start Guide included with your thin client

- **Cloud Desktop OS management**
  Contact ClearCube Support for information about NoTouch Center

Contacting Support

Web	www.clearcube.com/support/
Email	support@clearcube.com
Toll-free	(866) 652-3400
Direct	(512) 652-3400

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