

# **COS 6.20 Cloud Client User Manual**

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**Centerm Information Co., Ltd**

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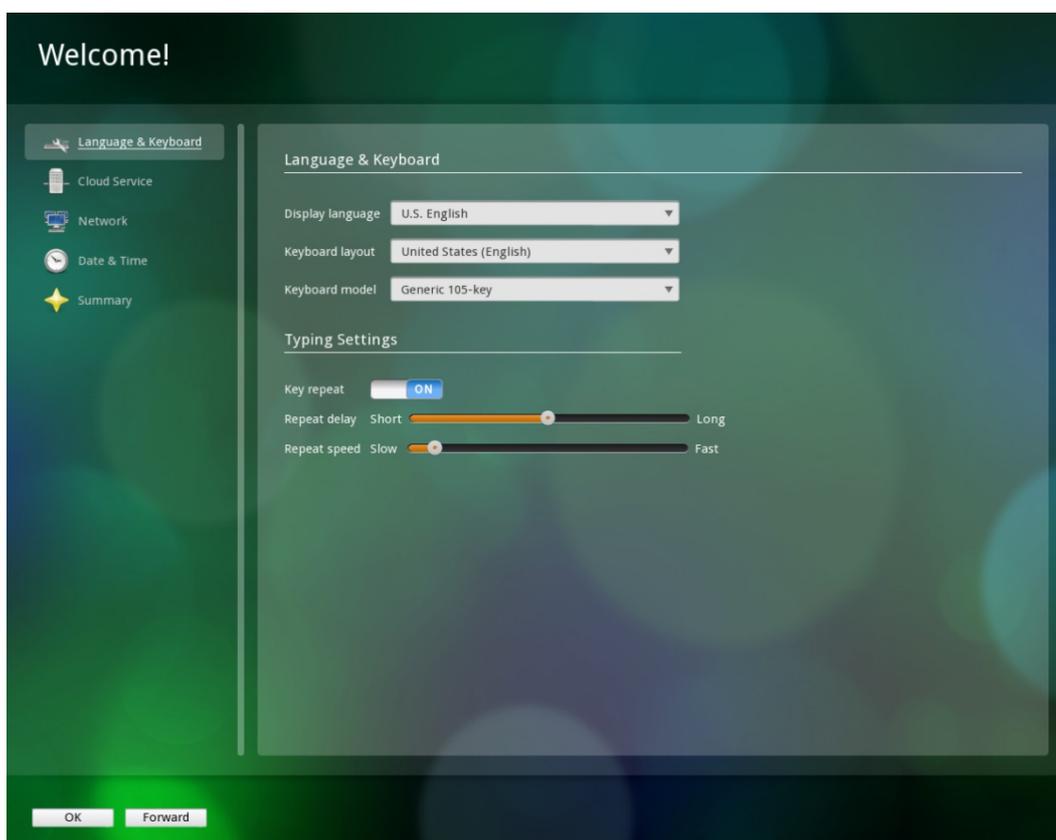
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# 1 Zero Client Desktop -- Startup Wizard

For Zero Client Desktop, the first time you enter the system, there will be a startup wizard. By default, the first "Language & Keyboard" page will be displayed.



1.1 Click "Forward" button to proceed with subsequent configurations. After you have completed all configurations, click "OK" button to enter the main system interface.

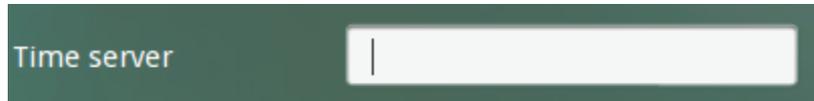
1.2 For quick start entering to OS, the following configure shall be set:

- Setup "Cloud Service": input the server IP address. For example, server IP is 192.168.12.42; the figure is shown as below:

Server address	192.168.12.42
----------------	---------------

- Setup "Network": Network must be configure correctly for connection. Please refer to 2.2 for further details
- Setup "Date& Time": time sync is on when OS is started, so time sync

server shall be set as well. User could select set it on/off at “Auto-Sync from server”. Or setup a correct time sync server. The figure is shown as below, other configures can be remain as default.



After done above settings, click “Ok” to enter to main interface.

1.3 Please refer to COS5.3 User Manual for configures at below items.

## 2 Zero Client Desktop -- Control Center

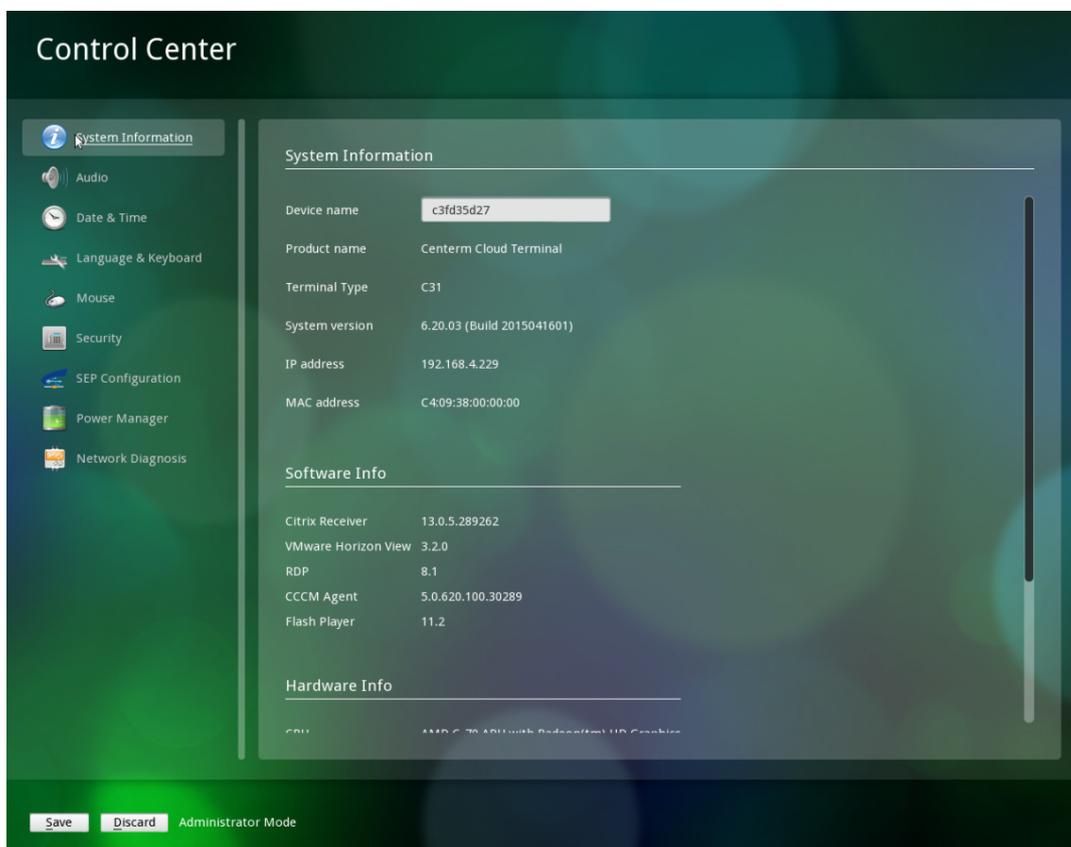
### 1) Function

The Control Center allows the user to access respective configuration programs of the system.

### 2) How to use

Click the "Control Center"  icon in the bottom left corner of system homepage.

The configuration interface is shown below:



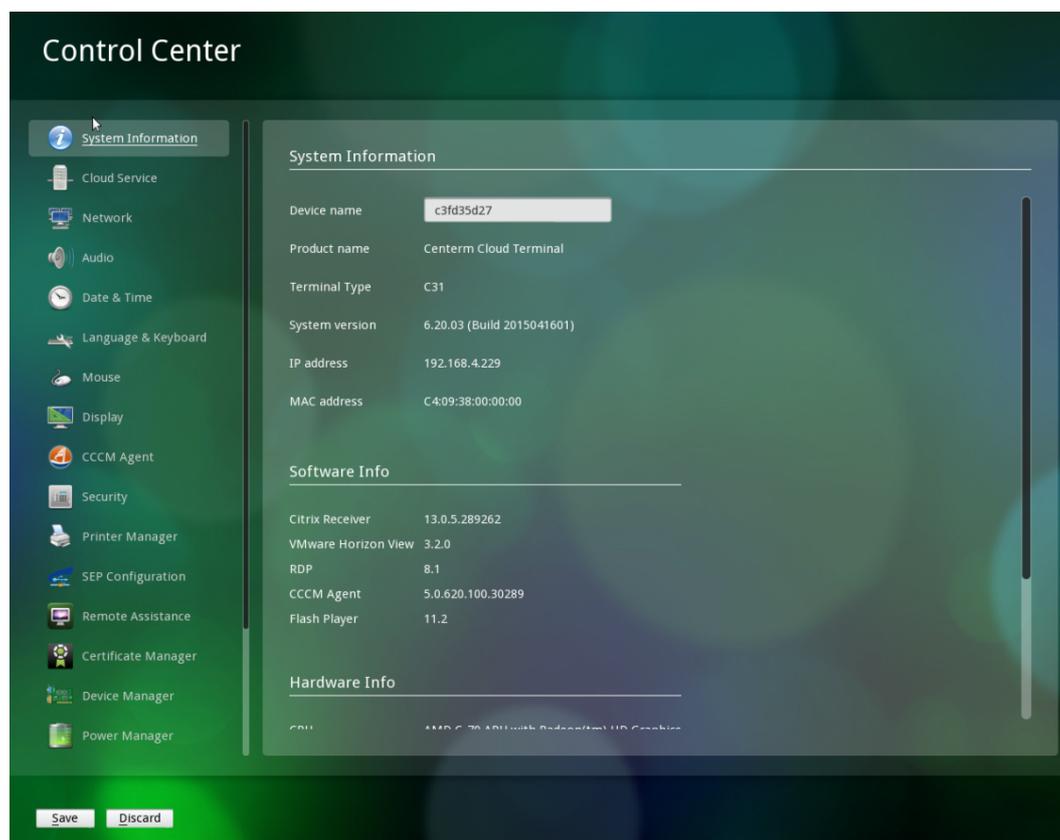
### 3) Run the programs in the Control Center

Select the desired program from the Control Center and click the icon. Following items can be configured for users, including: "System Information", "Audio", "Date & Time", "Language & Keyboard", "Mouse", "User Password",

“Power Manager”, “Network Diagnosis”. For more items configuration, please click “Administrator Mode”.

## Administrator Mode

Administrator mode is shown as below:



As figure shown, except user settings, more items can be configured: “Cloud Service”, “Network”, “Display”, “CCCM Agent”, “Security”, “Printer Manager”, “Remote Assistance”, “Certificate Manager”, “Logs Viewer”, “Switch Desktop”, etc.

The article would not introduce all the functions and configurations, only below models shall be described: “Date & Time”, “Network”, “Cloud Service”, “Display”, “Printer Manager”, “Switch Desktop”, “Restore Settings”.

## 2.1 Date & Time

### 2.1.1. Function

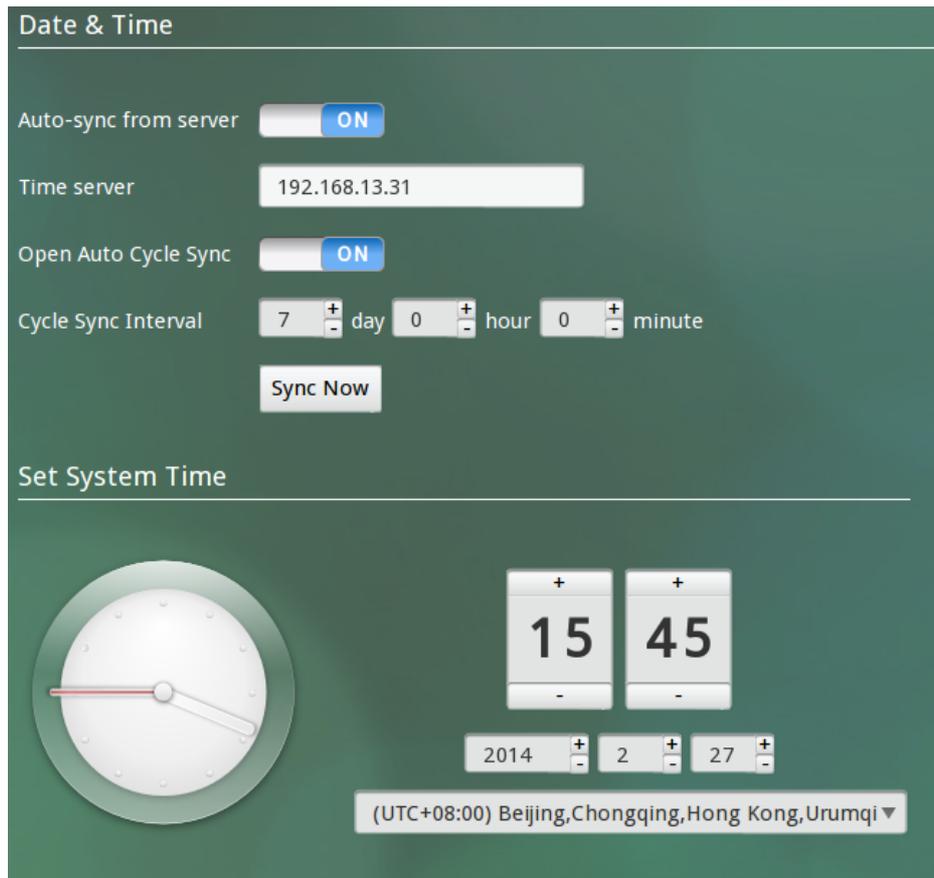
To configure system data and time.

### 2.1.2. How to use

After entering the Control Center, click the "Date & Time" icon:



The configuration interface is shown below:



### 2.1.3. Configure date and time

#### (1) Automatic synchronization

- A. Click the toggle button of "Auto-sync from server" to enable this feature.
- B. Enter the correct IP address of time server into the input box next to "Time server".



- C. Click the "Sync Now" button.

#### (2) Periodic synchronization

- A. After completing A and B in the first step, do not click "Sync Now" button.
- B. Click the toggle button of "Open Auto Cycle Sync" to enable this feature.
- C. Enter the interval to be set in the input boxes on the right side of "Cycle Sync Interval".
- D. Click "Save" button in the bottom left corner of the screen.

### (3) Manual configuration

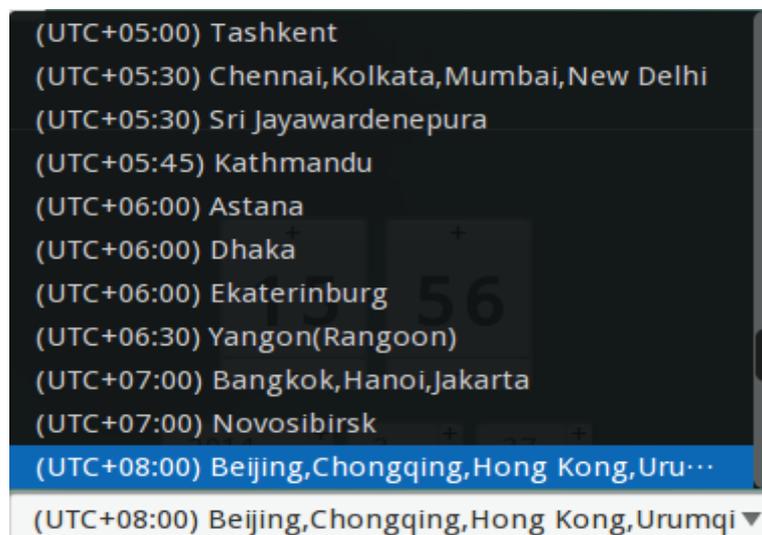
- A. Click the toggle button of "Auto-sync from server" to disable this feature.
- B. Click "+" or "-" buttons for date and time to set the system date and time:



- C. You can also click the edit box of date or time to manually enter the numerical values:



- D. Click the drop-up list as shown below to select the desired time zone:



- E. Click "Save" button in the bottom left corner of the screen.

## 2.2 Network

### 1) Function

To configure IP address and DNS.

### 2) How to use

After entering the Administrator mode, click the "Network" icon:

The configuration interface is shown below:

The screenshot shows the Network configuration interface. It has a dark green header with the word 'Network'. Below the header, there are three main sections, each with a horizontal line separator:

- Use The Following IP Address:** Contains a toggle for 'Obtain the IP address automatically' (set to OFF), and input fields for 'IP address' (192.168.4.229), 'Subnet mask' (255.255.255.0), and 'Default gateway' (192.168.4.1).
- 802.1X Property:** Contains a toggle for 'Enable 802.1X' (set to OFF).
- Use The Following DNS Servers:** Contains a toggle for 'Obtain the DNS servers automatically' (set to OFF), and input fields for 'Preferred DNS server' (192.168.13.31) and 'Alternate DNS server' (empty).

### 3) Configure network settings

#### (1) Obtain the IP address automatically

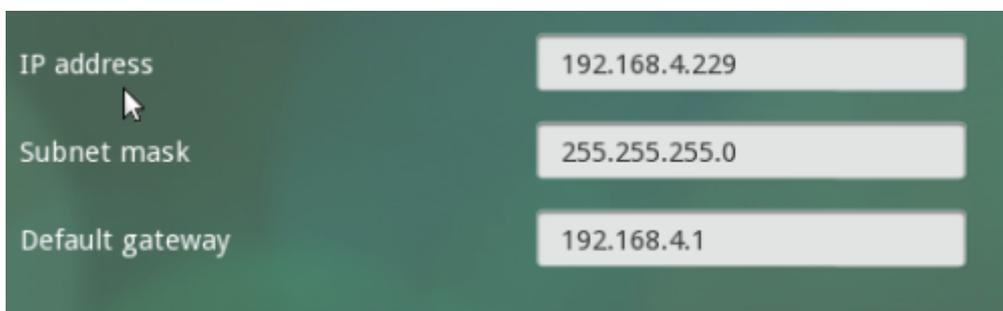
Click the toggle button of "Obtain the IP address automatically" to enable this feature.

#### (2) Obtain the DNS servers automatically

Click the toggle button of "Obtain the DNS servers automatically" to enable this feature.

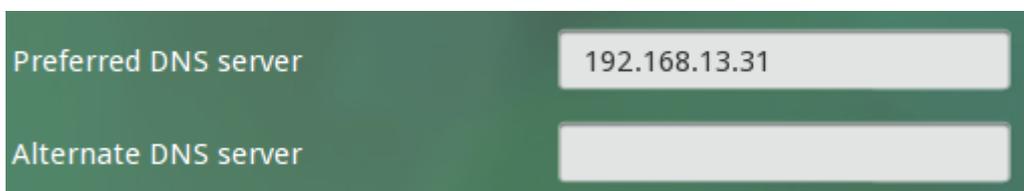
#### (3) Configure IP address manually

- A. Click the toggle button of "Obtain the IP address automatically" to disable this feature.
- B. Enter the corresponding values into the input boxes of "IP address", "Subnet mask" and "Default gateway" respectively.

A screenshot of a configuration interface with a dark green background. It contains three input fields. The first field is labeled "IP address" and contains the value "192.168.4.229". The second field is labeled "Subnet mask" and contains the value "255.255.255.0". The third field is labeled "Default gateway" and contains the value "192.168.4.1". A mouse cursor is positioned over the "IP address" label.

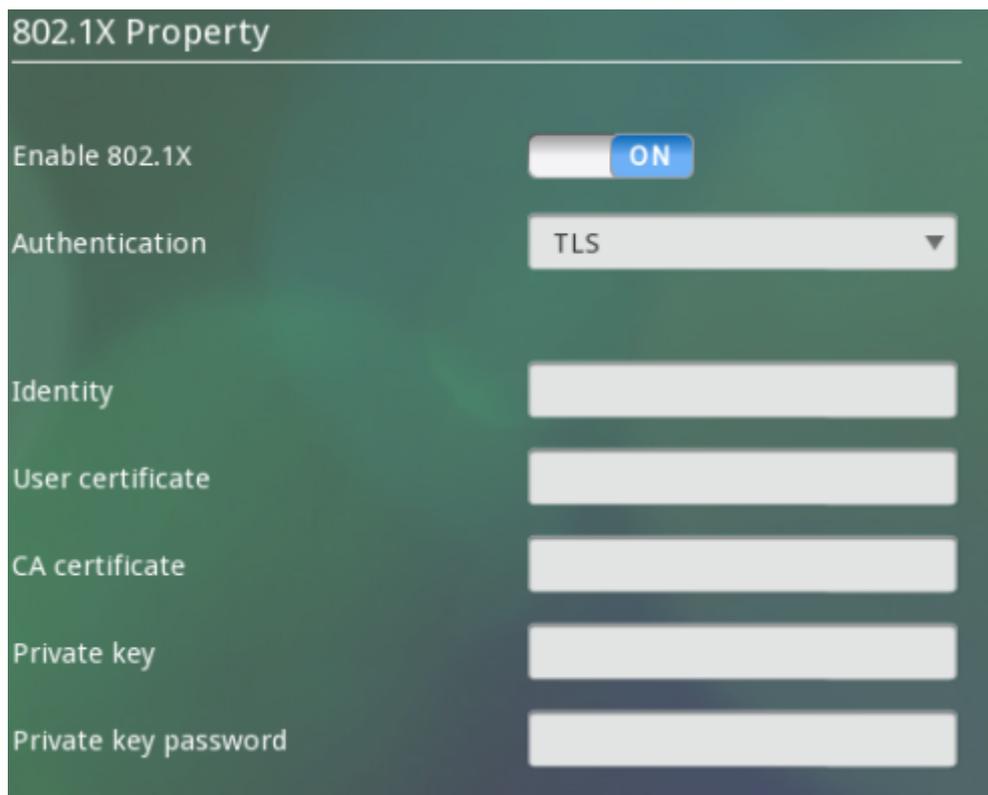
IP address	192.168.4.229
Subnet mask	255.255.255.0
Default gateway	192.168.4.1

- C. Click "Save" button in the bottom left corner of the screen.
- (4) Configure DNS server manually
- A. Click the toggle button of "Obtain the DNS servers automatically" to disable this feature.
  - B. Enter the corresponding values into the input boxes of "Preferred DNS server" and "Alternate DNS server" respectively.

A screenshot of a configuration interface with a dark green background. It contains two input fields. The first field is labeled "Preferred DNS server" and contains the value "192.168.13.31". The second field is labeled "Alternate DNS server" and is currently empty.

Preferred DNS server	192.168.13.31
Alternate DNS server	

- C. Click "Save" button in the bottom left corner of the screen.
- (5) Configure to 802.1x
- A. Click the toggle button of "Enable 802.1x" to enable this feature.
  - B. Select method at "Authentication", and then fill in ID, User certificate, CA certificate and private key.



C. Click "Save" button in the bottom left corner of the screen.

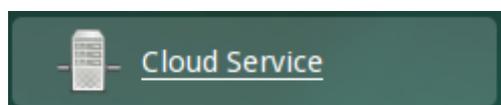
## 2.3 Cloud Service

### 1) Function

To configure cloud server connection type and relevant setting.

### 2) How to use

After entering the Administrator mode, click the "Cloud Service" icon:



The configuration interface is shown below:

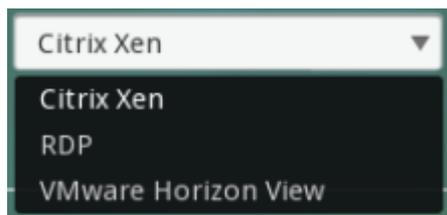
The screenshot shows the 'Cloud Service' settings panel. It includes a 'Connection type' dropdown menu set to 'Citrix Xen'. Below this is the 'Citrix Receiver' section with a 'Connection mode' dropdown set to 'PNAgent', a 'Server address' dropdown set to '192.168.12.42', and two toggle switches for 'VDI-in-a-Box' and 'SoleDesktop LogOff', both currently set to 'OFF'. The 'Login Scripts' section contains a single toggle switch for 'Automatic Login', also set to 'OFF'.

The screenshot shows the 'Device Mapping' settings panel. It features five toggle switches: 'Disk Mapping' (OFF), 'Enable Sound' (ON), 'Enable SmartCard' (ON), 'Enable Printer' (ON), and 'Enable USB Redirect' (ON). Below this is the 'Options' section with five more toggle switches: 'Show the connection bar in full screen mode' (ON), 'Enable video HDX' (ON), 'Enable audio HDX' (ON), 'Enable Flash HDX' (OFF), and 'Enable WebCam HDX' (OFF).

### 3) Modify settings

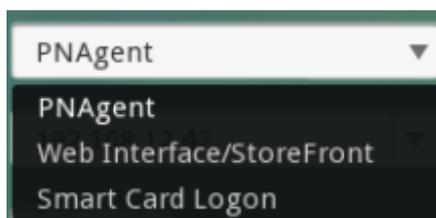
#### (1) Citrix Xen

- A. Click the drop-down list next to "Connection type" and select "Citrix Xen",



as shown below:

- B. Modify the settings of "Citrix Receiver". Click the drop-down list next to "Connection mode" and select "PNAgent","Web Interface/StoreFront" or "Smart Card Logon", as shown below:



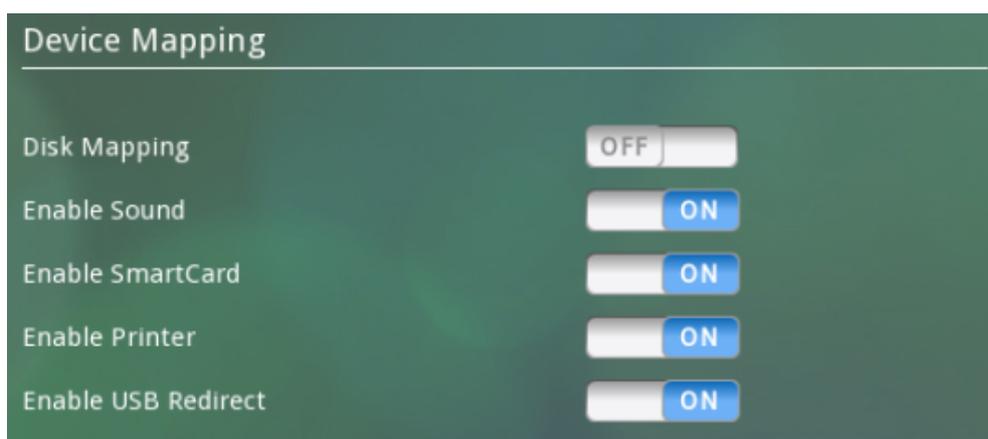
- C. Enter the IP address of server:



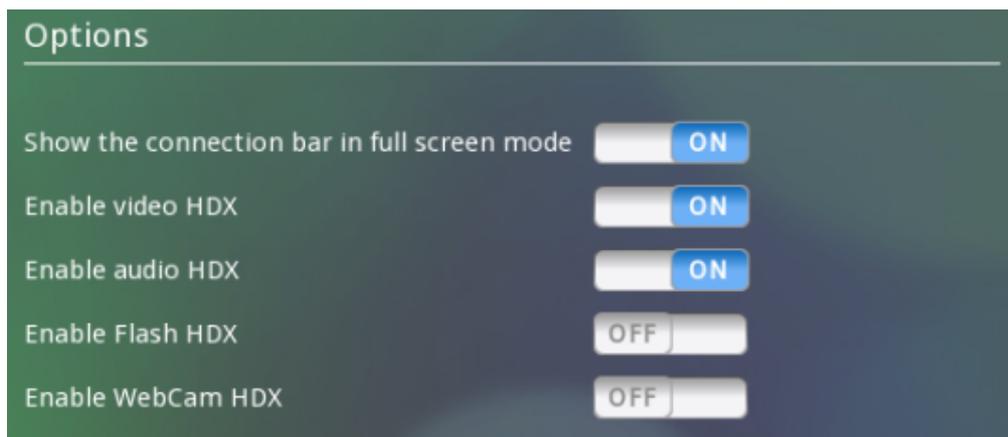
- D. When connection type is "Start Card Logon", ICMA server address should not be empty



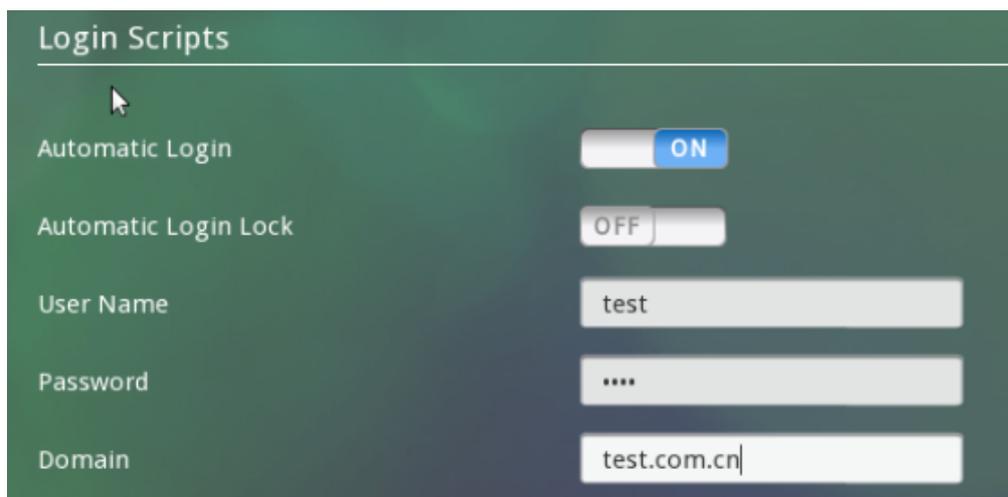
- E. Modify the settings of "Device Mapping". You can click the toggle buttons to enable or disable the devices to be mapped, as shown below:



- F. Modify the settings of "Options". You can click the toggle buttons to enable or disable relevant features, as shown below:



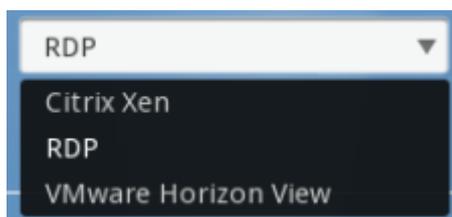
- G. When the connection type is set as "PNAgent", you can determine to enable or disable automatic login. Click the toggle button of "Automatic Login" to enable or disable this feature. Automatic login lock can be turn on to prohibit any modification to "User name", "Password" and "Domain" when "Automatic login" is on. In the meantime, you will need to enter the user name, password and domain, as shown below:



- H. Click "Save" button in the bottom left corner of the screen.

(2) RDP

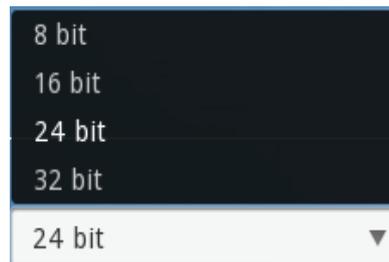
- A. Click the drop-down list next to "Connection mode" and select "RDP", as shown below:



- B. Configure the IP address of server.
- C. ICMS server address should be filled when "Enable Smart Card Logon" is on



- D. Modify the settings of "Display". You can set color depth as shown below:



Click the toggle button of "Display the connection bar" to enable or disable displaying the connection bar.



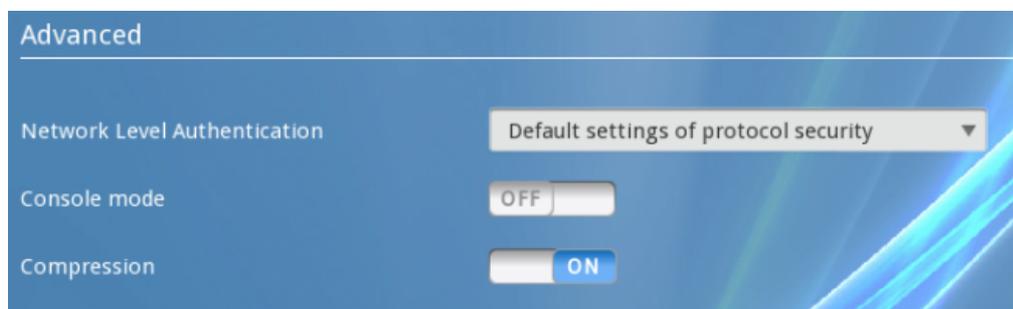
- E. Modify the settings of "Device Mapping". Click the drop-down list next to "Audio" and select the audio playback mode; click the toggle buttons to select devices to be redirected, as shown below:



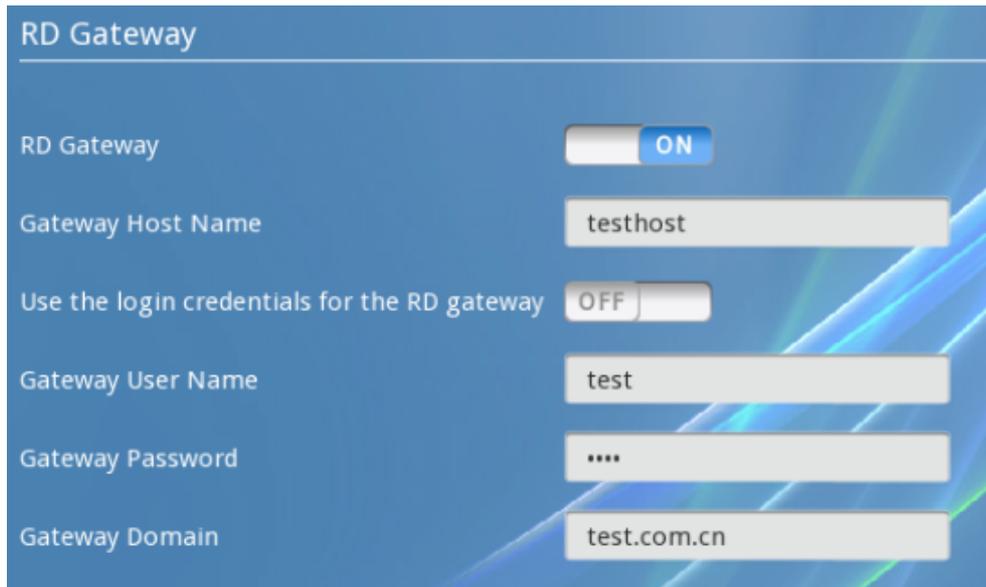
- F. Modify the settings of "Experience". Click the toggle buttons to select the different experiences to be applied during RDP connection:



- G. Modify the settings of "Advanced". Click the drop-down list of "Network Level Authentication" to select from different Network Level Authentication. Click the toggle buttons to enable or disable console mode and compression, as shown below:



- H. To setup RD Gateway, when RD Gateway is on, fill in gateway host name, User name, password and domain or switch on RD gateway credentials



RD Gateway

RD Gateway  ON

Gateway Host Name testhost

Use the login credentials for the RD gateway  OFF

Gateway User Name test

Gateway Password \*\*\*\*

Gateway Domain test.com.cn

- I. Modify the settings of "Login Scripts". Click the toggle button of "Automatic Login" to enable automatic login. When "automatic login" is on, turn on "Automatic login lock" to disable "User Name", "Password" and "Domain" edited by user



Login Scripts

Automatic Login  ON

Automatic Login Lock  OFF

User Name test

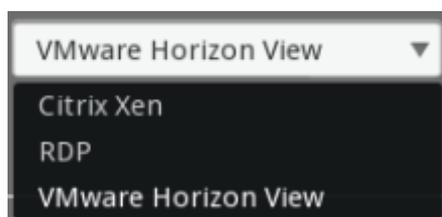
Password \*\*\*\*

Domain test.com.cn

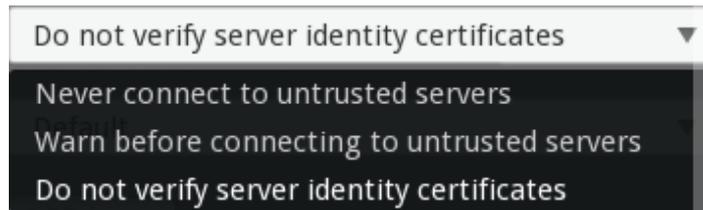
- J. Click "Save" button in the bottom left corner of the screen.

### (3) VMware Horizon View

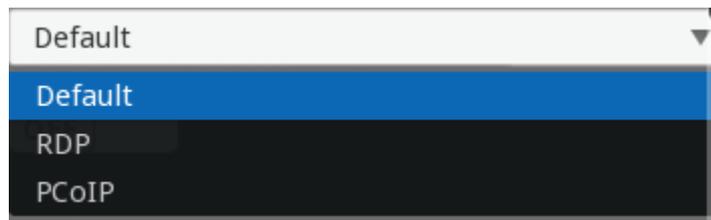
- A. Click the drop-down list next to "Connection type" and select "VMware Horizon View", as shown below:



- B. Modify the settings of "VMware Horizon View Client". Enter the IP address of server and modify security and protocol settings. Configure to enable or disable KIOSK mode. Turn on or off USB redirection. Turn on or off smart card logon.
- C. You can also configure to enable or disable security authentication from the security drop-down list.



- D. You can select different protocols from the protocol drop-down list.



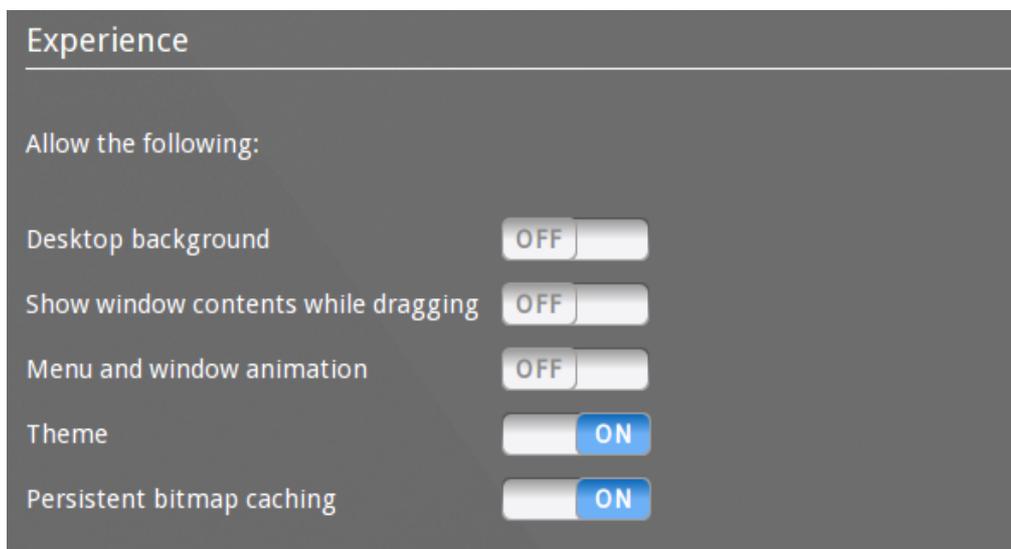
- E. When smart card logon is turned on, it needs to input ICMS server address.



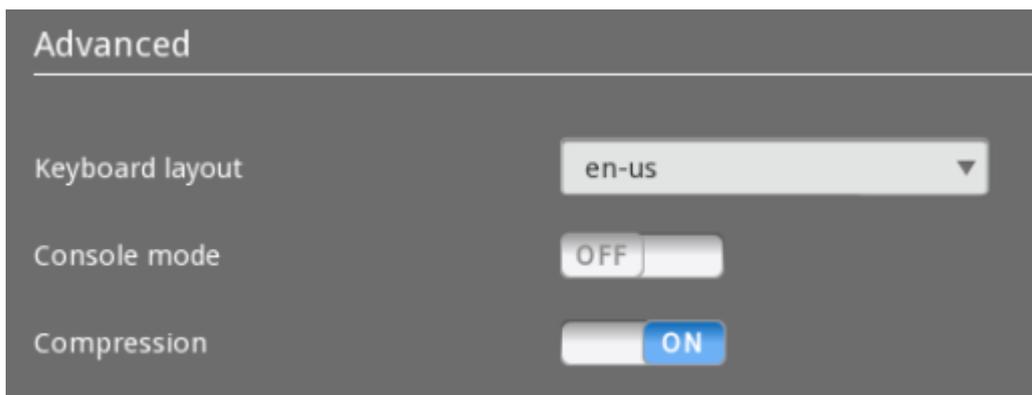
- F. Modify the settings of "Device Redirections". You can select the devices to be redirected to the server.



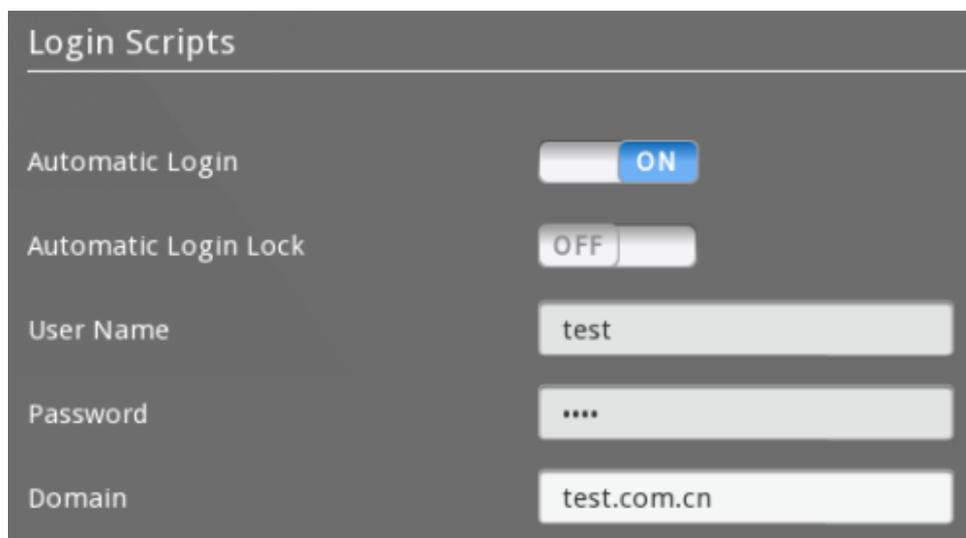
- G. Modify the settings of "Experience". Click the toggle buttons to enable the features allowed during server connection.



- H. Modify the settings of "Advanced". Select the keyboard layout from the drop-down list and enable or disable console mode and compression. Click the drop-down list next to keyboard layout and select the desired keyboard layout. Click the toggle button of "Console mode" to enable console mode; click the toggle button of "Compression" to enable compression.



- I. Modify the settings of "Login Scripts". You can enable automatic login. After enabling this feature, the system will automatically log on the server every time the client is turned on. When turn on automatic logon, automatic logon lock can be on to prevent modifying usernames and passwords.



- J. Click "Save" button in the bottom left corner of the screen.

## 2.4 Display

### 1) Function

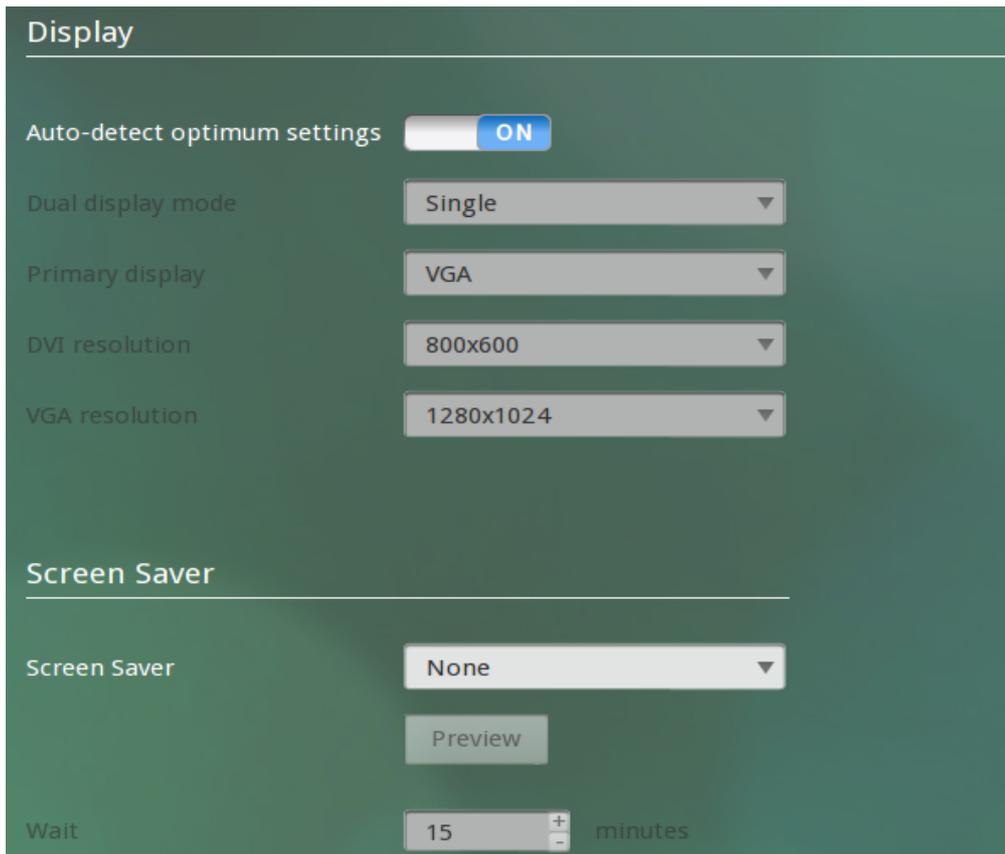
To configure screen resolution.

### 2) How to use

After entering the Administrator mode, click the "Display" icon:



The configuration interface is shown below:



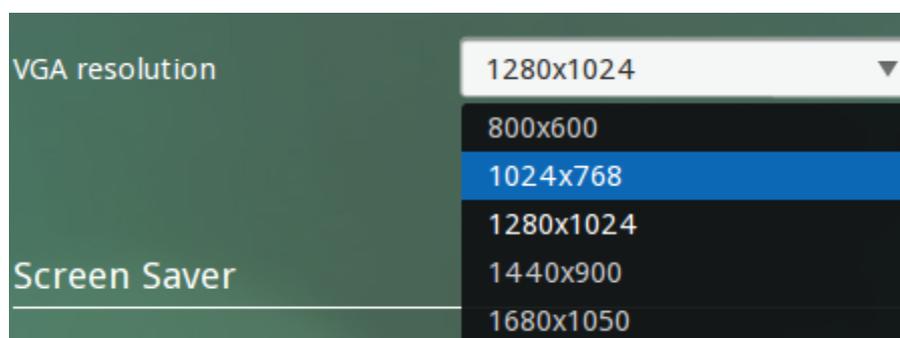
### 3) Modify resolution

#### a) Automatic detection of optimum settings

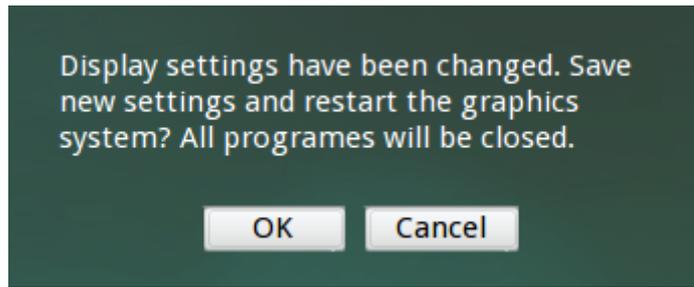
Click the toggle button of "Auto-detect optimum settings" to enable this feature.

#### b) Configure resolution manually

1. Click the toggle button of "Auto-detect optimum settings" to disable this feature.
2. Click the drop-down menu next to "VGA resolution" and select the desired resolution:

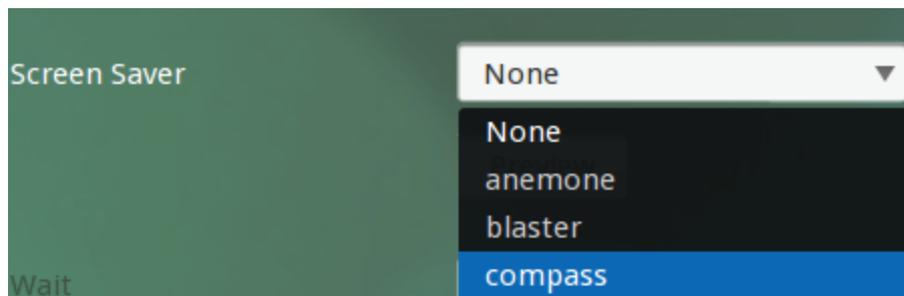


3. Click "Save" button in the bottom left corner of the screen and the following prompt message will pop up:



c) Configure screen saver

1. Click the drop-down menu next to "Screen Saver" and select the desired screen saver:



2. Click "Preview" button to see how the screen saver will appear on your screen.
3. In the input box next to "Wait", enter the desired waiting time.
4. Click "Save" button in the bottom left corner of the screen.

## 2.5 Printer Manager

1) Function

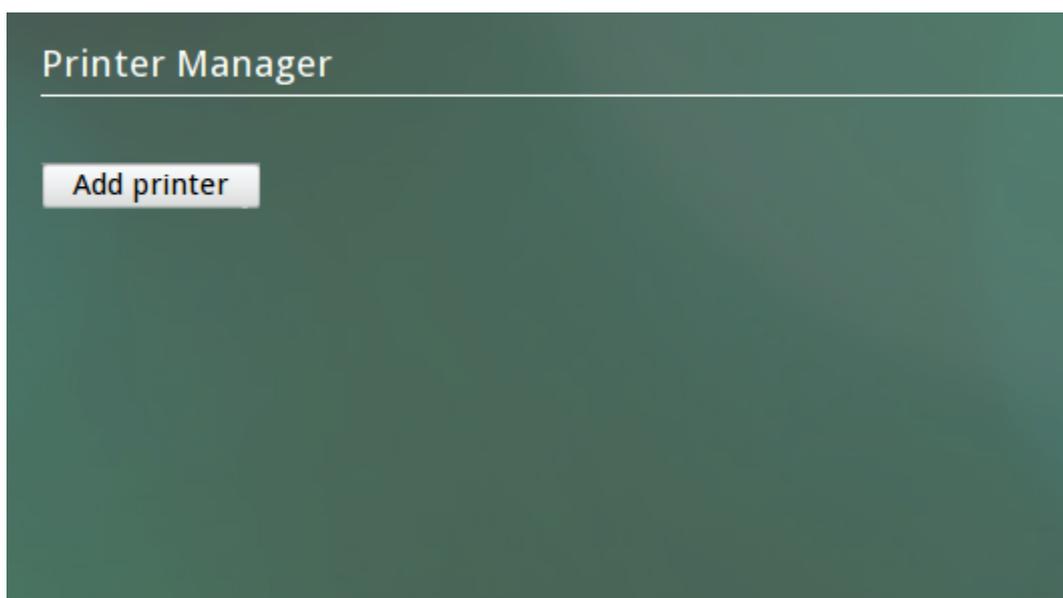
To add printer.

2) How to use

After entering the Administrator mode, click the "Printer Manager" icon:



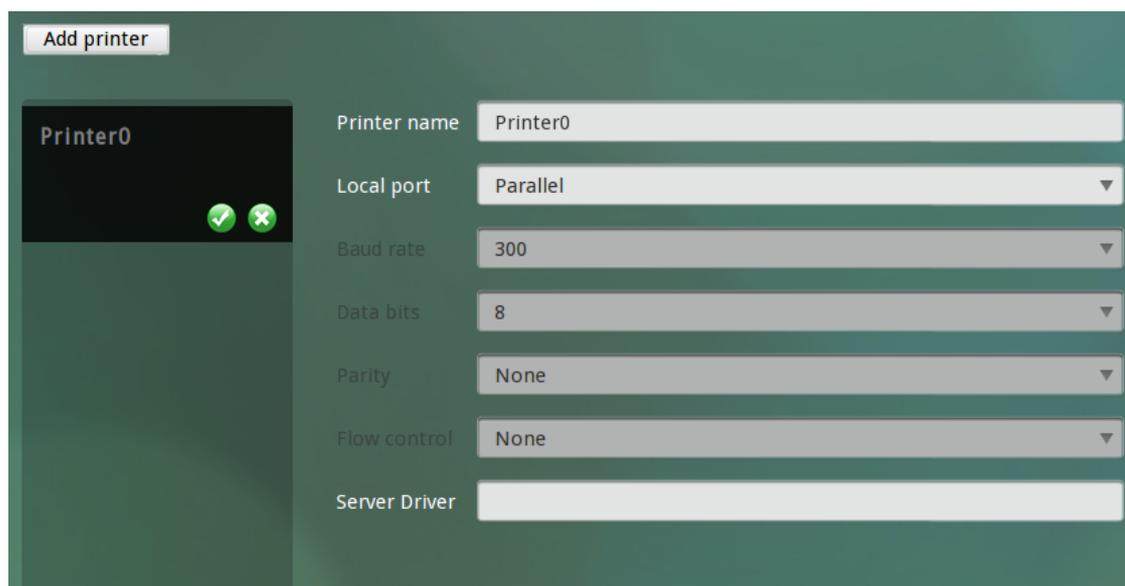
The configuration interface is shown below:



### 3) Modify settings

#### (1) Add printer

Click "Add printer" button to pop up the printer configuration window:



Enter relevant information about the printer and click "Save" button in the bottom left corner of the screen.

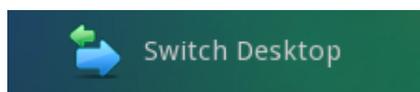
## 2.6 Switch Desktop

### 1) Function

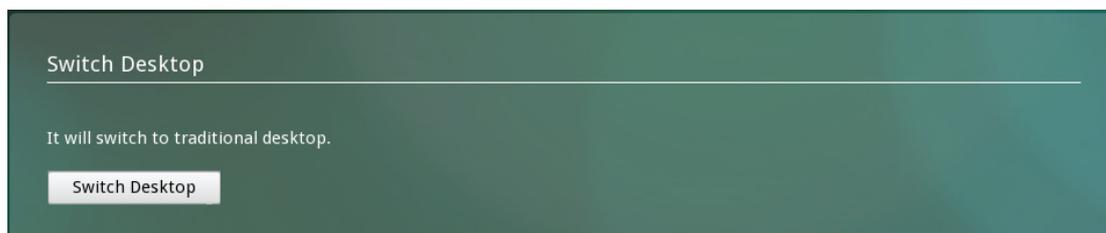
To Switch Desktop.

## 2) How to use

After entering the Administrator mode, click the "Switch Desktop" icon:



The configuration interface is shown below:



Click the "Switch Desktop" button to switch the desktop to traditional desktop.

## 2.7 Restore Settings

### 1) Function

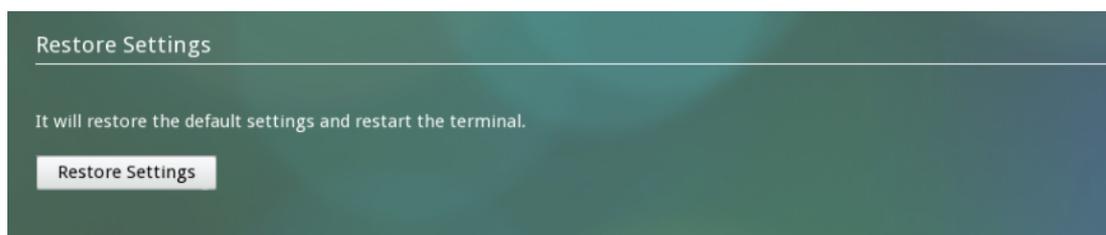
To Restore Settings.

### 2) How to use

After entering the Administrator mode, click the "Restore Settings" icon:



The configuration interface is shown below:

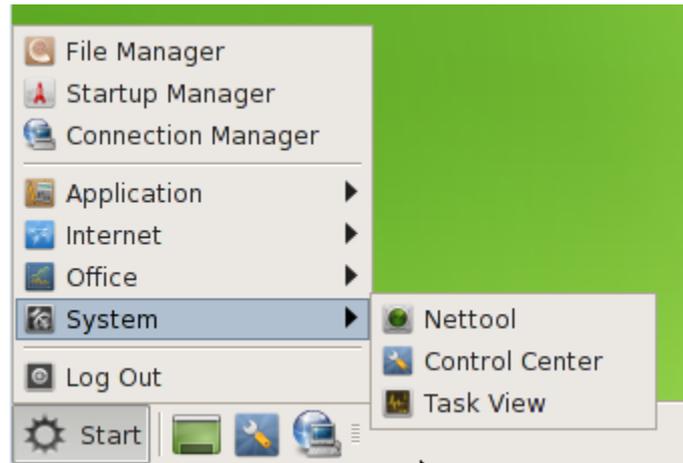


Click the "Restore Settings" button to restore Settings.

### 3 Traditional Desktop -- Switch Desktop

User guide for Traditional Desktop is same as User Manual for COS4.80, compared with COS4.80, COS6.0 add the “Switch Desktop” button, detail information will be shown as below:

Click Start → System → Control Center,



“Control Center” is shown as below:



Double click "Switch Desktop" at "System"



A dialog box is shown. Click "Yes" to switch to "Zero client Desktop".

## 4 Q&A

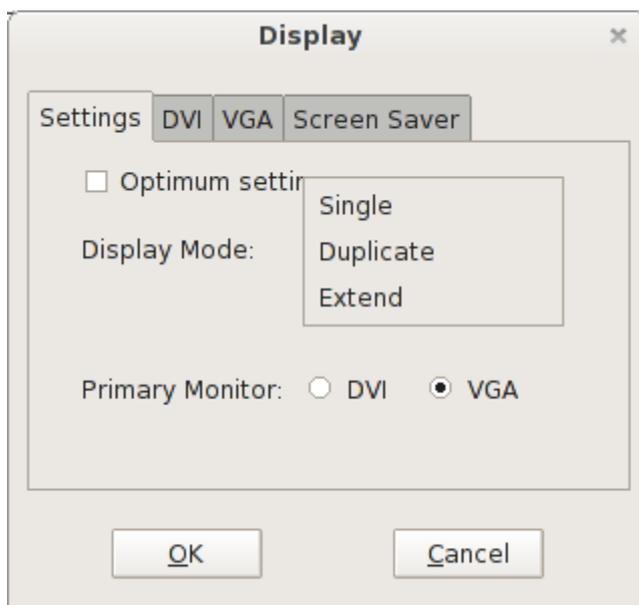
### 4.1 How to setup dual video?

#### 1) Traditional Desktop



When one monitor is connected, Display Mode is “Single”, the option is grey and unselected.

When two monitor are connected. The option turn to normal and selectable with “Single”, “Duplicate” and “Extend”



Choose Single for one video display

Choose Duplicate for dual video with both same video display

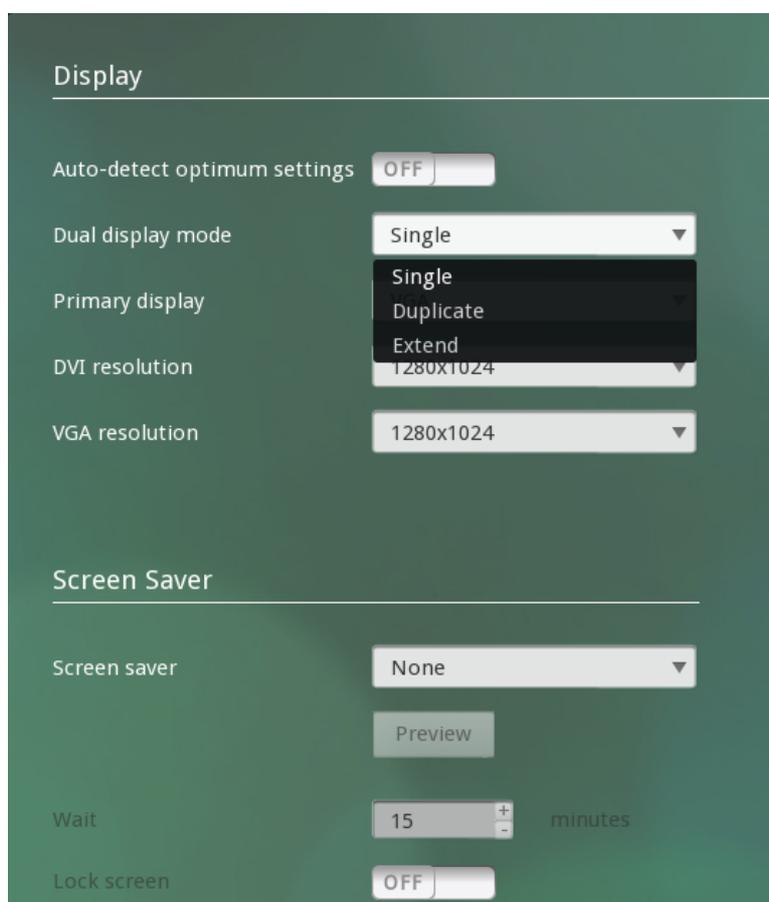
Choose “Extend” for dual video with extend video display

Setup “Primary Monitor “DVI” or “VGA”, then click Ok

## 2) Zero Client Desktop

When a monitor is connected, “Dual display mode” is grey and unselectable.

When two monitors are connected, “Dual display mode” is selectable with “Single” “Duplicate” and “Extend”



The configuration is the same as at Traditional Desktop, click “ok” after settings done.

## 4.2 How to add RJ45 Network Printer?

COS6.0 only support redirection of RJ45 network printer with Citrix VDI, configures are shown as below:

## 1) Traditional Desktop

A. Click "Startup"-> "Control Center"-> "Printer Manager", click "Add"

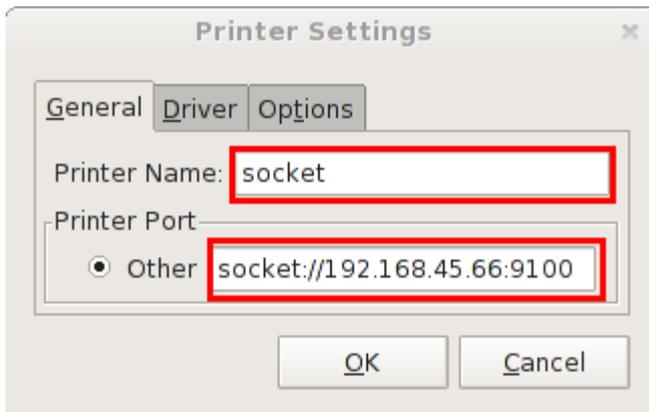
Add the name and port for printer:

Printer Name: no define, it is depended on user。 Ex: socket

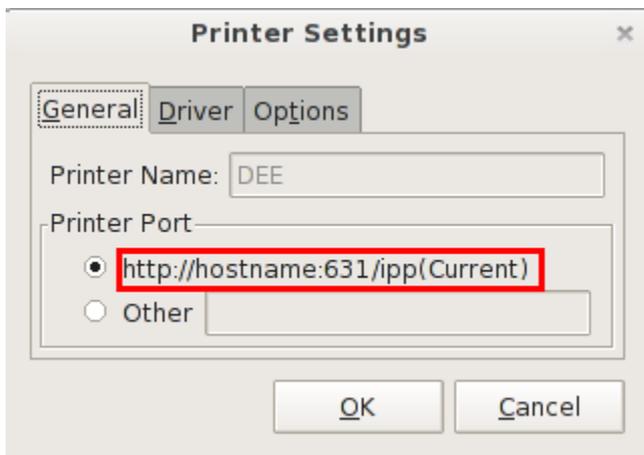
Printer Port: socket://hostname:9100 or <http://hostname:631/ipp>

Hostname is network printer IP 192.168.45.66

The figure is shown as below:



or

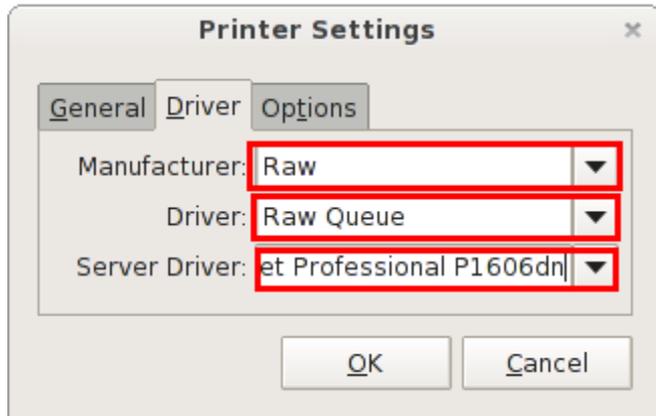


B. Click "Driver" fill in correct information:

Manufacturer: Raw

Driver: Raw Queue

Server Driver: it should be the same with driver name at server. **For example, HP LaserJet Professional P1606dn, the figure is shown as below:**



## 2) Zero Client Desktop

Enter to Administrator mode, click "Printer Manager" to configure the printer:



Fill in correct printer information, click "Save":

The screenshot shows the 'Add printer' configuration interface. On the left, there is a preview of the printer named 'socket', which is an HP LaserJet Professional P1606dn. The main configuration area on the right contains the following fields:

- Printer name: socket
- Local port: NetworkPrint
- Network port: socket://192.168.45.66:9100
- Baud rate: 300
- Data bits: 8
- Parity: None
- Flow control: None
- Server Driver: HP LaserJet Professional P1606dn

Red boxes highlight the Local port, Network port, and Server Driver fields.

Server Driver should be the same as printer driver at xendesktop, herewith “**HP LaserJet Professional P1606dn**”.

After all settings done, login to Citrix Virtual Desktop, the redirected printer can be seen at “Printer and Device”.

### 4.3 How to switch desktops?

For Traditional Desktop, refer to “4 Traditional Desktop”.

For Zero Client Desktop, refer to “3.6 Switch Desktop”.

### 4.4 Can desktop be switched with CCCM?

NO, currently it does not support.