- I. Install Ubuntu 14.0.4 LTS Desktop (x64)
 - 1. Boot off a CD or USB drive
 - 2. On the Welcome screen, click: Install Ubuntu



3. On the Preparing to install Ubuntu screen, click: Continue



- 4. On the Installation type screen,
 - a. Select: Erase disk and install Ubuntu
 - b. Click: Install Now



5. On the Where are you screen, click: Continue



6. On the Keyboard layout screen, click: Continue



- 7. On the Who are you screen,
 - a. In Yourname, type: kiosk-admin
 - b. In Your computer's name, type: {computer name}
 - c. In Pick a username, type: kiosk-admin
 - d. In Choose a password, type: {password}
 - e. In Confirm your password, type: {password}
 - f. Click Continue



8. Installation begins



9. On Installation Complete screen, click: Restart Now



Configure Network Settings 1. Login as: kiosk-admin II.



- 2. Edit Network settings,
 - a. Click: Wireless Network icon
 - b. Click: Edit connections



- 3. In Network Connections window,
 - Select: Wired Connection 1 a.



- 4. In Edit Wired Connection 1 window,
 - a. Click: IPv4 Settings
 - b. Method: Manual
 - c. Click: Add
 - d. Type: {IP address}, {Netmask}, and {Gateway}
 - e. Type: {DNS Servers} (comma separated)
 - f. Type: **{Search domain}**
 - g. Click: Save
- 5. In Network Connections window, click: Close

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- III. Install additional packages (Openbox, Google Chrome, OpenSSH Server)
 - 1. Open Terminal
 - 2. Add Google Chrome repository
 - a. Type and Enter (all on one line):

wget -q -O - https://dl-ssl.google.com/linux/linux_signing_key.pub | sudo apt-key add -

- b. Type and Enter (all on one line): sudo sh -c 'echo "deb http://dl.google.com/linux/chrome/deb stable main" >> /etc/apt/sources.list.d/google-chrome.list'
- 3. Type and Enter: sudo apt-get update
- 4. Type and Enter: sudo apt-get install google-chrome-stable openbox openssh-server
- IV. Create "public" user account
 - 1. Go to System Settings and click User Accounts



2. Click: Unlock and enter admin password



3. Click: +



4. Enter account information

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- 5. Close User Accounts window
- 6. Set password for public account:
 - a. In a terminal window, type and enter: **sudo passwd public**
 - b. Type and enter: *{admin password}*
 - c. Type and enter: *{new password}*
 - d. Re-type and enter: {new password}
- 7. Log out
- 8. Log in as: **public**



9. Go to System Settings and click Brightness & Lock



- 10. Set the following options and close Brightness & Lock window:
 - a. Turn screen off when inactive for: Never
 - b. Lock: Off
 - c. Require my password when waking from suspend: **Uncheck**



- 11. Open Terminal
- 12. Type and Enter: google-chrome http://iga.in.gov
- 13. In dialog box, click: **Ok**



- 14. Maximize the Google Chrome browser
- 15. Close all open applications and log out
- Configure Kiosk Environment
 - 1. Login in as: **kiosk-admin**
 - 2. Open Terminal

V.

3. Type and Enter: sudo nano /usr/share/xsessions/kiosk.desktop

4. Edit the file so it contains the following:

[Desktop Entry] Encoding=UTF-8 Name=Kiosk Mode Comment=Chrome Kiosk Mode Exec=/usr/share/xsessions/chromeKiosk.sh Type=Application

Press "ctrl+o" to save the file and "ctrl+x" to exit nano



- 5. Type and Enter: sudo nano /usr/share/xessions/chromeKiosk.sh
- 6. Edit it the file so it contains the following (replace red text with your values):

#!/bin/bash
xset -dpms
xset s off

openbox-session &

while true; do

```
rm -rf ~/.{caches}/google-chrome/
sed -i 's/Crashed/normal/g' ~/.config/google-chrome/Default/Preferences
google-chrome --start-maximized --proxy-server="{IP of Proxy Server}" --proxy-bypass-
list="{allowed-domain1.com;*.allowed-domain2.com} http://{allowed-domain1.com}
```

done

NOTE: If you want just one site to be allowed without any sub-domains use the example "allowed-domain1.com" in the bypass-list. If you need to allow one domain and all sub-domains use the example "*.allowed-domain2.com". Also, make sure that the domains are separated by a semi-colin.

Press "ctrl+o" to save and "ctrl+x" to exit

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- 7. Type and Enter: **sudo chmod +x /usr/share/xsessions/chromeKiosk.sh**
- 8. Go to System Settings, User Accounts
- 9. Click the **Unlock** button (top right corner)
- 10. Select: public

11. Set Automatic Login to: **On**



- 12. Logout
- Set public account to use "Kiosk Mode" VI.

 - At login screen, select public
 Click the Ubuntu logo next to the name

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3. Choose Kiosk Mode



- 4. Type password and login Customize Google Chrome
- VII.
 - Click the Customize Chrome button and click Settings 1.



2. Check **Show Home button** and click the **Change** link



3. Select **Open this page**, set it to **http://iga.in.gov**, and click **OK**

Chrome://settings/homePageOverlay	5
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- VIII. Remove Openbox right-click menu
 - 1. SSH to Kiosk PC and login as kiosk-admin
 - 2. Type and Enter: sudo su
 - 3. Type and Enter: echo 'public ALL=(ALL) NOPASSWD:ALL' >> /etc/sudoers
 - 4. Type and Enter: sudo apt-get update
 - 5. Type and Enter: sudo apt-get install obmenu
 - 6. Go to the Kiosk PC (which should be logged in as public), close Google Chrome and immediately right click on the Desktop when it is visible.
 - 7. From the pop-up menu, click: **Terminal Emulator**



- 8. Type and Enter: sudo obmenu
- 9. Expand Openbox 3

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10. Select each item and click the remove icon



11. The menu should look like this when you are done, click: Save



- 12. Close Obmenu
- 13. Type and Enter: **sudo openbox --reconfigure**
- 14. Close Google Chrome and immediately right-click the desktop, the menu should be gone.
- 15. Close the Terminal Window
- 16. Go back to your SSH Session (logged in as kiosk-admin)
- 17. Type and Enter: **sudo nano /etc/sudoers**
- 18. Remove: public ALL=(ALL) NOPASSWD:ALL
- 19. Save and close the file
- 20. Reboot