Esri Geoportal Server LiveDVD Demo 2015

This document gives step-by-step instructions for creating the Esri Geoportal Server LiveDVD 2015. The files needed to complete this are located at [\\esri.com\toybox\departments\Marketing\RichardKachelriess\Geoportal\LiveDVD\2015](file:///\\esri.com\toybox\departments\Marketing\RichardKachelriess\Geoportal\LiveDVD\2015).

# System Requirements

Standard Esri issued desktop/laptop running Windows 7

# Create an Account on SUSE Studio

1. Go to [www.susestudio.com](http://www.susestudio.com) and create an account (or log in if you already have an account).
2. Log in to new account (if necessary) and go to the Home page.

# Create SUSE Studio Appliance

1. On the Home page, under Actions, click Create new appliance…
2. For base template, select “KDE 4 desktop” under “openSUSE 13.2”.
3. Scroll to bottom of page.
4. Make sure architecture stays at “64-bit”
5. Change name of the appliance to “Esri Geoportal Server LiveDVD 2015”.
6. Click the “Create appliance” button

# Customize SUSE Studio Appliance

1. After clicking the “Create appliance” button, the customization site for the appliance should open automatically. If it doesn’t, go the “Home” screen and click on the appliance under “Your appliances”>”Private appliances”

## Software Tab

1. Click the Software tab and add the following software packages (some may already be selected)

| Package Name | Repository | Use |
| --- | --- | --- |
| adaptec-firmware | openSUSE 13.2 OSS | Wireless card firmware and drivers |
| alsa-firmware | openSUSE 13.2 OSS | Wireless card firmware and drivers |
| atmel-firmware | openSUSE 13.2 OSS | Wireless card firmware and drivers |
| b43-fwcutter | openSUSE 13.2 OSS | Wireless card firmware and drivers |
| branding-upstream | openSUSE 13.2 OSS | Branding updates |
| ipw-firmware | openSUSE 13.2 OSS | Wireless card firmware and drivers |
| iw | openSUSE 13.2 OSS | Wireless card firmware and drivers |
| kernel-firmware | openSUSE 13.2 Updates | Hardware firmware and drivers |
| mariadb | openSUSE 13.2 Updates | MySQL Database Alternative |
| MozillaFirefox | openSUSE 13.2 Updates | Web Browser |
| open-vm-tools | openSUSE 13.2 Updates | Open virtual machine tools |
| rdate | openSUSE 13.2 OSS | Sync and set system time |
| rfkill | openSUSE 13.2 OSS | Enables wireless devices |
| tomcat | openSUSE 13.2 OSS | Tomcat web servlet container |
| virtualbox-guest-tools | openSUSE 13.2 Updates | Guest tools for VirtualBox |
| virtualbox-guest-x11 | openSUSE 13.2 Updates | Hardware and video drivers for VirtualBox |
| wget | openSUSE 13.2 Updates | Retrieve files from the web |
| xf86-input-vmmouse | openSUSE 13.2 OSS | Hardware drivers for mouse in VMware |
| xf86-video-ati | openSUSE 13.2 OSS | Video drivers for ATI |
| xf86-video-intel | openSUSE 13.2 Updates | Video drivers for Intel |
| xf86-video-nv | openSUSE 13.2 OSS | Generic video drivers |
| xf86-video-vmware | openSUSE 13.2 OSS | Video drivers for VMware |
| wireless-tools | openSUSE 13.2 OSS | Tools for wireless connections |
| yast2-live-installer | openSUSE 13.2 OSS | Installs appliance to computer’s hard drive |
| yast2-sudo | openSUSE 13.2 OSS | Sudo capabilities to Yast |
| yast2-tune | openSUSE 13.2 OSS | Hardware configuration capabilities in Yast |

## Configuration Tab

1. Click the General heading icon
   1. Under Network, select “Discover network settings automatically (DHCP)”
   2. Under the Users and groups section
      1. Change root user password to “geoportal”
      2. Add the following new users

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Login | UID (optional) | Password | Group | Home directory | Shell |
| geoportal |  | geoportal | wheel | /home/geoportal | /bin/bash |
| tomcat |  | tomcat | tomcat | /home/tomcat | /bin/bash |

1. Click the Personalize heading icon
   1. Under Appliance logo, click “Upload new logo…”
      1. Upload the “SocialMedia\_CorporateEsri.png” file.
      2. Click the new Esri logo icon to select it.
   2. Under Appliance background, click “Upload new background…”
      1. Upload the “DVD Background.jpg” file.
      2. Click the new background image to select it.
   3. Confirm that the Preview section shows the correct icon and background.
2. Click the Server heading icon
   1. Check the “Set up MySQL” icon
   2. Under Step 1, click the “Upload MySQL dump…” button and upload the “geoportal.sql.bz2”
   3. Under Step 2, add the following users

|  |  |  |
| --- | --- | --- |
| User Name | Password | Databases (separated by commas) |
| geoportal | geoportal | geoportal |
| root | geoportal | geoportal |

1. Click the Desktop heading icon
   1. Check “Automatically log in user…” and make sure the “geoportal” user is selected from the dropdown menu.
   2. In the Autostart desktop programs, click “Add new autostart program…” and add the following

|  |  |  |  |
| --- | --- | --- | --- |
| Command | Start for user | Comment (optional) | Enabled |
| firefox http://localhost:8080 | geoportal | Starts Firefox and goes to informational homepage | Checked |

1. Click the Appliance heading icon
   1. Under the “Disk and memory” section, increase “Memory:” to 2048
2. Click the Scripts heading icon
   1. Check the “Run script at the end of the build”.
   2. Delete all the text in the script that opens.
   3. Open End\_Of\_Build.txt file in Notepad
      1. Select All (Ctrl+a) and copy (Ctrl+c)
   4. Paste the text into the end of build script box

## Files Tab

1. Click the Files tab
   1. Upload and configure the files to the appliance following the table below.
      1. To make changes, click the box to the left of the Name, then follow the below:
         1. Dirctory: Click “Move / Rename” the change “Path”
         2. Owner/Group and Permissions: Click “Edit details”
            1. Codes for “Octal:” to set permissions

rwxrwxrwx: 777

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Directory | Extract | Size | Owner/Group | Permissions |
| Desktop.tar.gz | /usr/local/ | Yes | 1.4 KB | root / root | rwxrwxrwx |
| esri\_icons.tar.gz | /usr/share/icons/ | Yes | 30.1 KB | root / root | rwxrwxrwx |
| license.tar.gz | / | No | 1.5 KB | root / root | rwxrwxrwx |
| lucene.tar.gz | /usr/local/ | Yes | 63.1 KB | root / root | rwxrwxrwx |
| mysql\_connector.tar.gz | /usr/share/java/tomcat/ | Yes | 789.6 KB | tomcat / nobody | rwxrwxrwx |
| tomcat\_conf.tar.gz | /var/cache/tomcat/Catalina/localhost/ | Yes | 482 Bytes | tomcat / nobody | rwxrwxrwx |
| webapps.tar.gz | /srv/tomcat/ | Yes | 44.9 MB | tomcat / user | rwxrwxrwx |
| 00-defaultLayout.js | /usr/share/kde4/apps/plasma-desktop/init/ | NA | 622 Bytes | root / root | rwxrwxrwx |
| 1024x768.png | /usr/local/ | NA | 837.2 KB | root / root | rwxrwxrwx |
| 1280x1024.png | /usr/local/ | NA | 1.3 MB | root / root | rwxrwxrwx |
| 1600x1200.png | /usr/local/ | NA | 1.8 MB | root / root | rwxrwxrwx |
| 1920x1080.png | /usr/local/ | NA | 1.9 MB | root / root | rwxrwxrwx |
| 1920x1200.png | /usr/local/ | NA | 2 MB | root / root | rwxrwxrwx |
| 2560x1600.png | /usr/local/ | NA | 1.3 MB | root / root | rwxrwxrwx |
| 600x400.png | /usr/local/ | NA | 268 KB | root / root | rwxrwxrwx |
| 800x600.png | /usr/local/ | NA | 526.7 KB | root / root | rwxrwxrwx |

## Build Tab

1. Click the Build tab.
   1. For “Default format:” select “Live CD/DVD (.iso)” from dropdown menu.

# Build LiveDVD .ISO

1. In the Build tab, click the “Build” icon.
   1. Building the .iso will take at least 10 minutes.
   2. The completed build will be listed on the bottom half of the screen.
2. To download the .ISO, click “Download” on the right side of the entry.
   1. To get the MD5 checksum, click “View MD5 checksum” at the bottom of the page.