



Установка системы конференции BigBlueButton

Добрый день установка будет производится на Ubuntu.

Установка BigBlueButton на Ubuntu 10.04

Первое что необходимо выполнить это добавление нужных депозитариев и обновление сервера.

```
wget http://ubuntu.bigbluebutton.org/bigbluebutton.asc -O- | sudo apt-key add -  
echo "deb http://ubuntu.bigbluebutton.org/lucid_dev_08/ bigbluebutton-lucid main" | sudo tee  
/etc/apt/sources.list.d/bigbluebutton.list  
echo "deb http://us.archive.ubuntu.com/ubuntu/ lucid multiverse" | sudo tee -a /etc/apt/sources.list  
sudo apt-get update  
sudo apt-get dist-upgrade
```

Далее устанавливаем необходимые пакеты для работы нашей системы конференции.

Установим Ruby

```
sudo apt-get install zlib1g-dev libssl-dev libreadline5-dev libyaml-dev build-essential bison checkinstall  
libffi5 gcc checkinstall libreadline5 libyaml-0-2
```

Далее создадим небольшой скрипт для установки и настройки необходимых гемов для Ruby.

```
#!/bin/bash  
cd /tmp  
wget http://ftp.ruby-lang.org/pub/ruby/1.9/ruby-1.9.2-p290.tar.gz  
tar xvzf ruby-1.9.2-p290.tar.gz  
cd ruby-1.9.2-p290  
./configure --prefix=/usr\  
    --program-suffix=1.9.2\  
    --with-ruby-version=1.9.2\  
    --disable-install-doc  
make  
sudo checkinstall -D -y\  
    --fstrans=no\  
    --nodoc\  
    --pkgname='ruby1.9.2\  
    --pkgversion='1.9.2-p290\  
    --provides='ruby\  
    --requires='libc6,libffi5,libgdbm3,libncurses5,libreadline5,openssl,libyaml-0-2,zlib1g\  
    --maintainer=brendan.ribera@gmail.com  
sudo update-alternatives --install /usr/bin/ruby ruby /usr/bin/ruby1.9.2 500 \  
    --slave /usr/bin/ri ri /usr/bin/ri1.9.2 \  
    --slave /usr/bin/irb irb /usr/bin/irb1.9.2 \  
    --slave /usr/bin/erb erb /usr/bin/erb1.9.2 \  

```



```
--slave /usr/bin/rdoc rdoc /usr/bin/rdoc1.9.2  
sudo update-alternatives --install /usr/bin/gem gem /usr/bin/gem1.9.2 500
```

Делаем скрипт исполняемым и запускаем его на исполнение.

```
chmod +x install-ruby.sh  
./install-ruby.sh
```

После этого проверяем версию Ruby и версию гемов.

```
$ ruby -v  
ruby 1.9.2p290 (2011-07-09 revision 32553)  
  
$ gem -v  
1.3.7
```

Теперь для проверки что Вы можете устанавливать гемы можно установить тестовый вариант гем. Вывод должен быть точно такой как указан ниже иначе у Вас что то не работает.

```
$ sudo gem install hello  
Successfully installed hello-0.0.1  
1 gem installed  
Installing ri documentation for hello-0.0.1...  
Installing RDoc documentation for hello-0.0.1...
```

Установка BigBlueButton

```
sudo apt-get install bigbluebutton
```

```
ubuntu@ip-10-46-238-238:~$ sudo apt-get install bbb-demo
openoffice.org-style-tango openoffice.org-style-crystal openoffice.org-style-oxygen bsh tomcat6-docs
tomcat6-admin tomcat6-examples tomcat6-user java5-runtime cli-uno-bridge otf-stix ttf-lyx
Recommended packages:
head
The following NEW packages will be installed:
authbind bbb-apps-desktop bbb-apps-video bbb-client bbb-common bbb-config bbb-openoffice-headless
bbb-playback-slides bbb-record-core bbb-web bigbluebutton ca-certificates-java cabextract default-jre
default-jre-headless defoma dictionaries-common esound-clients esound-common fontconfig fontconfig-config
ghostscript gsfonts hicolor-icon-theme hunspell-en-us icedtea-6-jre-cacao imagemagick java-common jsvc libaa1
libaccess-bridge-java libaccess-bridge-java-jni libao2 libatk1.0-0 libatk1.0-data libaudio2 libaudiofile0
libavahi-client3 libavahi-common-data libavahi-common3 libavcodec52 libavformat52 libavutil49 libcaca0 libcairo2
libcdparanoia0 libcolamd2.7.1 libcommons-collections-java libcommons-daemon-java libcommons-dbc-java
libcommons-pool-java libcups2 libcupsimage2 libdatrie1 libdirectfb-1.2-0 libdjvulibre-text libdjvulibre21
libdv4 libdvnav4 libdvread4 libecj-java libenca0 libesd0 libexpat1-dev libflac8 libfontconfig1 libfontconfig1-dev
libfontenc1 libfreetype6-dev libgd2-noxpm libgif4 libgl1-mesa-dri libgl1-mesa-glx libgraphite3 libgraphviz4
libgs8 libgsm1 libgststreamer-plugins-base0.10-0 libgststreamer0.10-0 libgtk2.0-0 libgtk2.0-bin libgtk2.0-common
libhsqldb-java libhunspell-1.2-0 libhyphen0 libice6 libicu42 libilmbase6 libjack0 libjasper1 libjpeg62
libjpeg62-dev liblcms1 liblircclient0 liblzo2-2 libmagiccore2 libmagiccore2-extra libmagicwand2 libmp3lame0
libmpdec3 libneon27-gnutls libnspr4-0d libnss3-1d liboil0.3 libopenal1 libopenexr6 libpangol.0-0
libpangol.0-common libpaper-utils libpaper1 libpixman-1-0 libpostproc51 libpulse0 libraptor1 librasqal2 librdf0
libsamplerate0 libschroedinger-1.0-0 libsdl1.2debian libsdl1.2debian-alsa libservlet2.5-java libsm6 libsmclient
libsndfile1 libsox-fmt-alsa libsox-fmt-base libsox1a libspeex1 libsvgalib libswscale0 libsysfs2 libtalloc2
libthai-data libthai0 libtheora0 libtiff4 libtomcat6-java libts-0.0-0 libvorbisenc2 libvorbisfile3 libwavpack1
libwbcclient0 libwmf0.2-7 libwpd8c2a libwpg-0.1-1 libwps-0.1-1 libx264-85 libxaw7 libxcb-render-util0
libxcb-render0 libxcomposite1 libxcursor1 libxdamage1 libxfixes3 libxfont1 libxft2 libxi6 libxinerama1 libxmu6
libxpm4 libxrandr2 libxrender1 libxslt1.1 libxt6 libxtst6 libxv1 libxvidcore4 libxvml1 libxxf86dga1 libxxf86vm1
lp-solve mencoder mplayer nginx openjdk-6-jre openjdk-6-jre-headless openjdk-6-jre-lib openoffice.org
openoffice.org-base openoffice.org-base-core openoffice.org-calc openoffice.org-common openoffice.org-core
openoffice.org-draw openoffice.org-emailmerge openoffice.org-filter-binfilter openoffice.org-filter-mobiledev
openoffice.org-impress openoffice.org-java-common openoffice.org-math openoffice.org-officebean
openoffice.org-report-builder-bin openoffice.org-style-galaxy openoffice.org-writer pkg-config psfontmgr
python-uno red5 redis-server-2.2.4 shared-mime-info sox swftools-0.9.1 tomcat6 tomcat6-common tsoconf ttf-dejavu
ttf-dejavu-core ttf-dejavu-extra ttf-liberation ttf-mscorefonts-installer ttf-opensymbol ttf-sil-gentium
ttf-sil-gentium-basic tzdata-java uno-libs3 unzip ure vorbis-tools x-ttcidfont-conf x11-common xfonts-encodings
xfonts-mathml xfonts-utils zip
0 upgraded, 223 newly installed, 0 to remove and 0 not upgraded.
Need to get 264MB of archives.
After this operation, 730MB of additional disk space will be used.
Do you want to continue [Y/n]?
```

В ходе установки не должно возникнуть проблем.

Установил Demo конференцию.

```
sudo apt-get install bbb-demo
```

Для удаления.

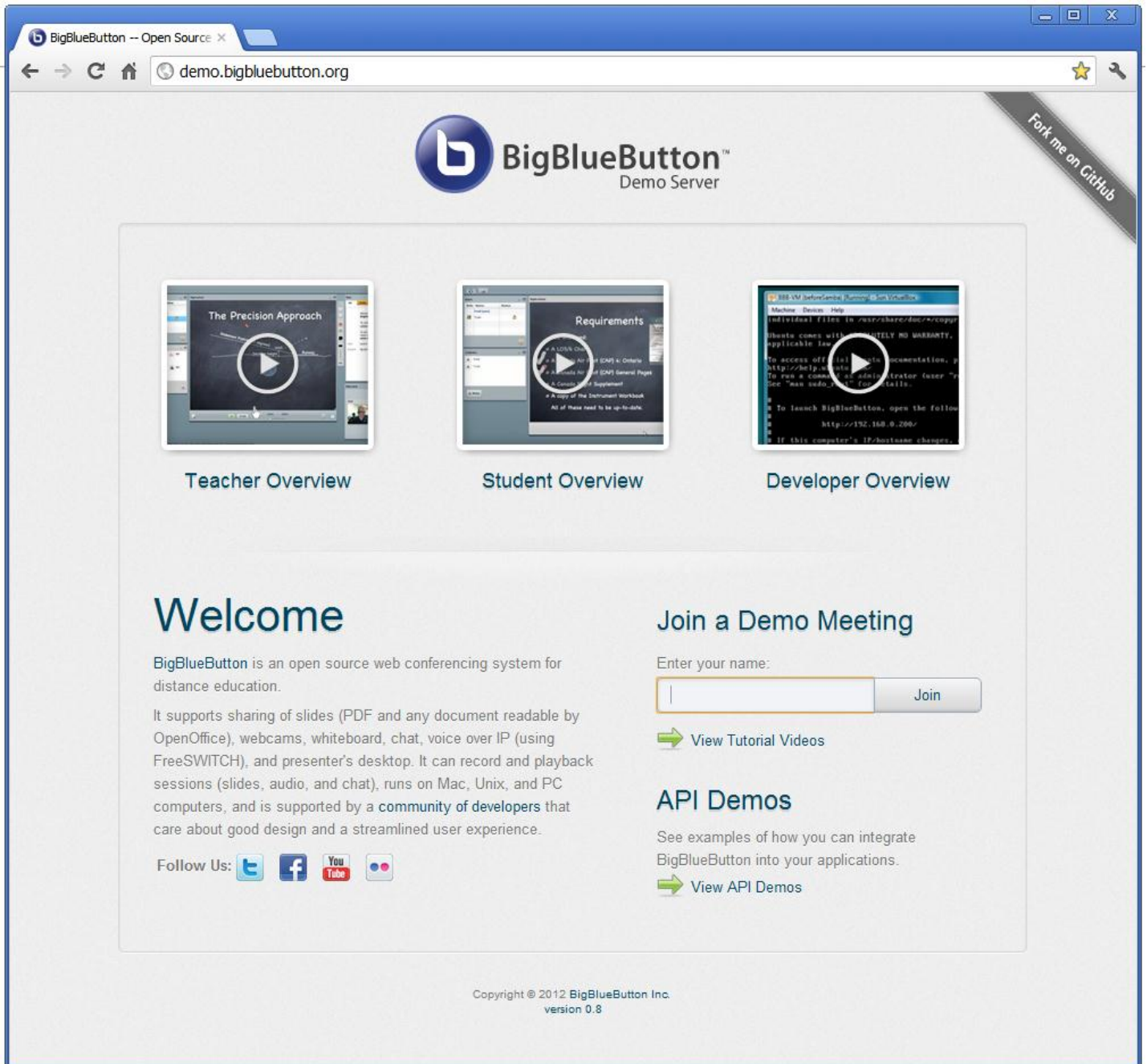
```
sudo apt-get purge bbb-demo
```

Проверка конфигурации и удаление временных файлов.

To ensure BigBlueButton has started cleanly, enter the following commands:

```
sudo bbb-conf --clean
sudo bbb-conf --check
```

Проверка сервера



The screenshot shows a web browser window with the address bar displaying "demo.bigbluebutton.org". The page features the BigBlueButton logo and the text "BigBlueButton™ Demo Server". A diagonal banner in the top right corner says "Fork me on GitHub". Below the header, there are three video thumbnails with play buttons, labeled "Teacher Overview", "Student Overview", and "Developer Overview". The main content area is divided into two columns. The left column has a "Welcome" section with a paragraph describing BigBlueButton as an open source web conferencing system for distance education, followed by a list of features and social media icons for Twitter, Facebook, YouTube, and LinkedIn. The right column has a "Join a Demo Meeting" section with a text input field for a name and a "Join" button, followed by a "View Tutorial Videos" link. Below that is an "API Demos" section with a paragraph and a "View API Demos" link. At the bottom center, the footer text reads "Copyright © 2012 BigBlueButton Inc. version 0.8".

В поле “Join” введите своё имя.



Технологии для бизнеса www.itfb.com.ua
office@itfb.com.ua

Firefox Recording Meeting Demo
http://192.168.0.35/demo/demo10.jsp



BigBlueButton

open source web conferencing for distance education

[Join](#) | [Join Selected](#) | [Join Password](#) | [Join & Upload](#) | [Join & Upload \(URL\)](#) | [Record](#) | [Record \(Matterhorn\)](#) | [Create](#) | [Activity Monitor](#)

Join a Course (Recorded)

Course: English 101 ▾

Description:

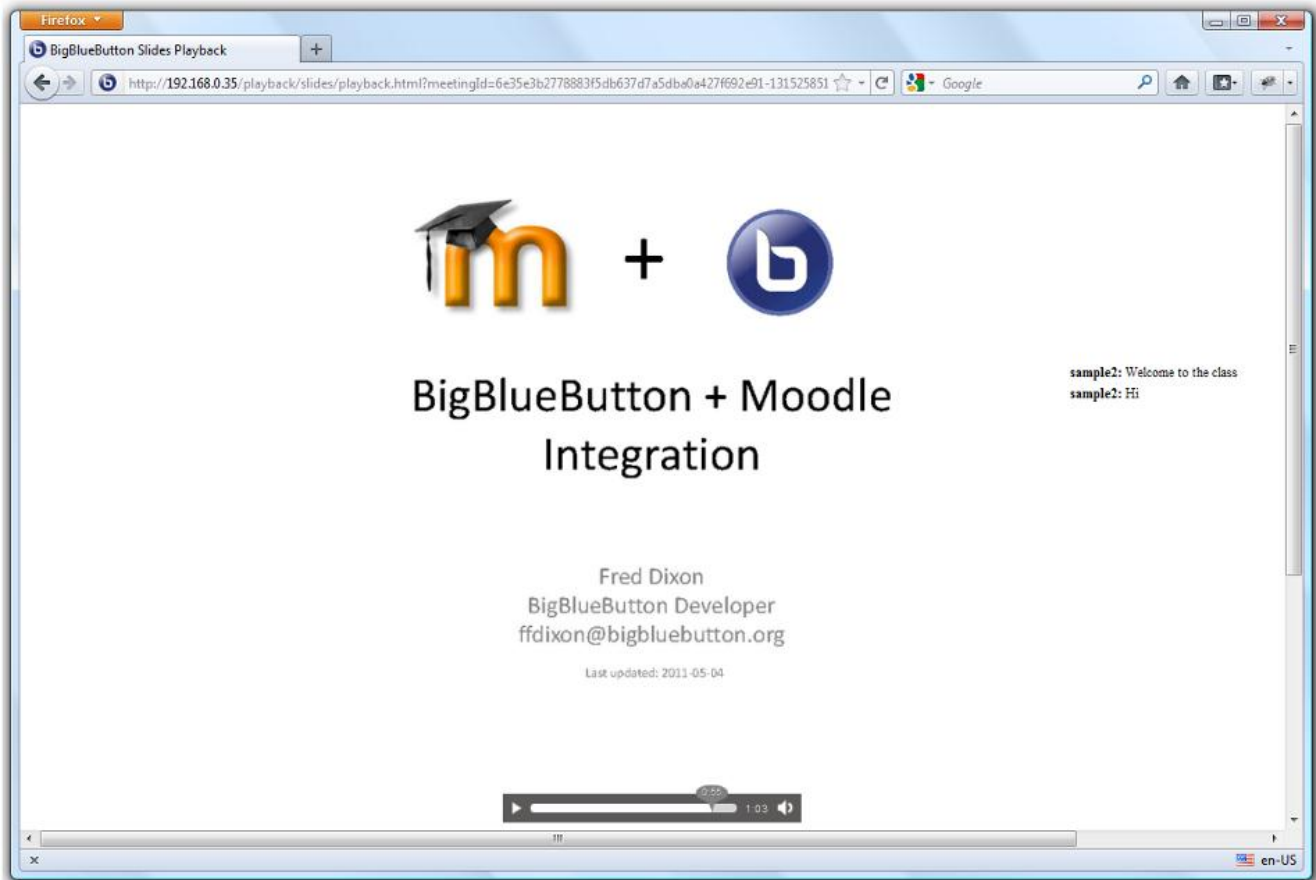
Your Name:

Recorded Sessions

Actions... ▾

<input type="checkbox"/>	Course	Description	Date Recorded	Published	Playback
<input type="checkbox"/>	English 101	Sample	2011-09-05 21:30:30 UTC	true	slides

x en-US



The screenshot shows a Firefox browser window with the address bar containing the URL: `http://192.168.0.35/playback/slides/playback.html?meetingId=6e35e3b2778883f5db637d7a5dba0a427f692e91-131525851`. The slide content includes:

- Logos for Moodle (an orange 'm' with a graduation cap) and BigBlueButton (a blue circle with a white 'b').
- Section header: **BigBlueButton + Moodle Integration**
- Text: **sample2: Welcome to the class**
sample2: Hi
- Author information: Fred Dixon, BigBlueButton Developer, `ffdixon@bigbluebutton.org`
- Footer: Last updated: 2011-05-04

A video player control bar is visible at the bottom of the slide, showing a progress bar and a timestamp of 1:03.