



National Virtual Library of India

Eminent Personality Portal Setup

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Document Purpose

This document provides step by step and detailed guidelines for setting up portal of Eminent Personality. In this document, virtual machine is used to host an EPP portal. Portal can be hosted on single virtual machine or cluster of virtual machines.

Prerequisite

Setting up of EPP portal requires installation of many supporting software packages and configurations. For setting up EPP portal user should have adequate hands on experience in using linux commands.

1. Introduction to System Environment

Specifications of virtual machine used for setting up portal are as follows.

System	Specifications
Virtual Machine (For Hosting Webapp)	RAM - 8 GB HDD Storage - 200 GB OS- Ubuntu 16.04, 64 bit IP address - 10.129.28.158 System/username - edx
NFS server (Hosting digital assets)	RAM - 8 GB HDD Storage - 200 GB OS- Ubuntu 16.04, 64 bit IP address - 10.129.26.57 System/username - edx
Local Machine (Used for accessing virtual machine. Also used as local server for hosting digital assets)	IP address - 10.129.46.156 System/username - nilesh

Note:

1. Local machine is used to access virtual machine remotely.
2. The linux commands written in this document are executed on the virtual and local machines mentioned above. IP address and system name used in linux commands are given as an example. Users are requested to use IP address and System name of the system on which portal is to be hosted.
3. \$ is used for executing commands on terminal as a normal user
4. # is used for executing commands on the terminal as a super user. Please note that # denotes a comment in a file.
5. Use command “sudo su” to switch from normal user to superuser and “exit” to switch back.
6. Ip address in bracket in front of head lines indicates the system to be used for execution of commands.

2. Introduction to Basic Linux Commands

Connection to remote system

`ssh -X remote_systemname@remote_IP_address`

After executing the above command in the terminal, system asks for system password of remote machine, then enter the password of remote system.

Ex. `$ ssh -X edx@10.129.28.158`

Copy files from one system to other system

`scp /source/file/path/filename username@IP:/target/location`

Example to copy file from local machine to home directory of 10.129.28.158.

Ex. `$ scp /home/nilesh/Desktop/test.pdf edx@10.129.28.158:/`

File download using command line - wget

Use wget command to download a file (.zip, .tar.gz, etc.) using command line.

Ex. `$ wget http://website.comfile.zip`

Using vi text editor

- Open a file from command prompt: `vi <filename>.<extension>`
- Edit it: Press ‘Insert’ button and use arrows to navigate
- Save and exit: Press ‘Escape’ button followed by ‘:wq’
- Exit without saving: Press ‘Escape’ button followed by ‘:q’
- Exit read only file (if edited): Press ‘Escape’ button followed by ‘:wq!’
- Delete current line: Press ‘Escape’ button followed ‘dd’
- Delete all content: Press ‘Escape’ button followed by ‘:%d’
- Select all and paste: Press ‘Escape’ button followed by ‘:%y’. Press ‘p’ to paste where desired (only in vi editor).
- Copy current line: Press ‘Escape’ button followed ‘yy’. Press ‘p’ to paste where desired (only in vi editor).

3. Installation of software packages and generic EPP Portal

Connect Virtual Machine (10.129.46.156)

Enter following command in the terminal and press return.

```
ssh -X <remote-system-name>@<remote-system-ip-address>
```

Ex. `ssh -X edx@10.129.28.158`

Enter password of the machine and press return.

Connecting system to Internet (for proxy) (10.129.28.158)

Following steps need to be executed if proxy server is set, else these steps can be skipped.

```
$ w3m <URL for proxy server login>
```

```
$ w3m internet.iitb.ac.in
```

(Enter your LDAP user and password and select Login button) x Two times

Use “Tab” to navigate between fields; “Enter” button to enter text for a field.

Setup Database (MySQL) (10.129.28.158)

```
$ sudo apt-get update
```

```
$ sudo apt-get install mysql-server
```

System pops-up window, asking to enter password for root user, enter “admin” (chosen as an example) as a password. So your database credentials are as follows.

User: root and Password: admin

Note: User should set secure password.

Create database (Database name: epp) (10.129.28.158)

```
$ mysql -u root -p
```

Enter database root user password. Ex. “admin”

```
mysql> create database epp;
```

```
mysql> use epp;
```

```
mysql> GRANT ALL ON *.* TO eppuser@'localhost' IDENTIFIED BY 'eppuser123';
```

```
mysql> flush privileges;
```

```
mysql> exit
```

Note: It is important to insert secure username and password. Please don’t use common passwords.

Install Apache Server (10.129.28.158)

Update System by executing following command

```
$ sudo apt-get update
```

Install apache server by executing following command

```
$ sudo apt-get install apache2
```

To check whether Apache is installed, direct your browser to your server's IP address (Ex. http://10.129.28.158). The page should display the words "It works!"

Install PHP server and PHP modules and libraries

```
$ sudo apt-get install php7.0
```

Install additionally required modules by executing following command.

```
$ sudo apt-get install php7.0-mysql php7.0-xml php7.0-gd php7.0-mbstring  
libapache2-mod-php7.0 snmp libsnmp-dev zip unzip php7.0-fpm php7.0-cli php7.0-curl  
nfs-common
```

Configuring Apache Server (10.129.28.158)

Open the Apache PHP configuration file with sudo privileges in your text editor:

```
$ sudo vi /etc/php/7.0/apache2/php.ini
```

Search for "expose_php" and "allow_url_fopen" directive and set them both to "Off":

```
expose_php = Off
```

```
allow_url_fopen = Off
```

Save and close the file.

Enable Rewrite Functionality and Htaccess files in Apache

```
$ sudo a2enmod rewrite
```

After enabling rewrite module, restart apache server.

```
$ sudo service apache2 restart
```

Get composer (10.129.28.158)

```
$ cd
```

```
$ sudo su
```

```
# curl -sS https://getcomposer.org/installer | php
```

```
# mv composer.phar /usr/local/bin/composer
```

Install Drush 8 for Drupal 8 (10.129.28.158)

```
# mkdir drush
```

```
# cd drush
```

```
# composer require drush/drush:8
```

Create an alias for Drush.

```
# vi ~/.bashrc
```

Add the following line in this file, below the line "alias l='ls -CF'"

```
alias drush8='<path to drush present in bin folder of vendor>'
```

```
alias drush8='/home/edx/drush/vendor/bin/drush'
```

Save and exit the file.

Compile .bashrc file using the following command

```
# source ~/.bashrc
```

```
# exit
```

Download EPP Source code (10.129.28.158)

Execute the following command to download source code.

```
$ cd ~
```

```
wget https://github.com/pankajpatil694/Generalized-EPP/archive/master.zip
```

Create directory to extract source code of EPP.

```
$ mkdir EEPortal
```

```
$ cp ./master.zip ./EEPortal/
```

```
$ cd EEPortal
```

Extract master.zip file.

```
$ unzip master.zip
```

Source code is extracted in Generalized-EPP-master.

```
$ cd Generalized-EPP-master
```

Create source code directory in Web directory and copy EPP drupal source code.

```
$ sudo mkdir /var/www/minentpp
```

Enter root password.

```
$ sudo cp ./docroot.tar.gz /var/www/minentpp/
```

Extract source code in web directory

```
$ cd /var/www/minentpp/
```

```
$ sudo tar -xvf docroot.tar.gz
```

```
$ sudo chown -R www-data:www-data /var/www/minentpp/docroot/*
```

Configurations in settings.php file (10.129.28.158)

```
$ cd docroot
```

```
$ sudo nano ./sites/default/settings.php
```

Scroll down and enter database name, username and password.

Example:

```
'database' => 'epp',
```

```
'username' => 'eppuser',
```

```
'password' => 'eppuser123',
```

Save and exit from settings.php file.

Importing Database dump (10.129.28.158)

```
$ cd ~/EPPortal/Generalized-EPP-master/
```

```
$ tar -xvf eppdb.sql.tar.gz
```

```
$ cd ~
```

```
$ mysql -u root -p
```

Enter database admin password.

```
use database epp;  
source ~/EPPortal/Generalized-EPP-master/eppdb.sql  
exit
```

Copy digital assets from Local Server(10.129.46.156) to NFS Server(10.129.26.57)

As an example in this document “Lokamanya Tilak” portal is set as EPP. As mentioned in “Content Curation for Eminent Personality Portal” document, digital assets of eminent personality (in this case, it is Lokamanaya Tilak) are hosted on local server, for data curation activities. It is required to copy digital assets from local server to NFS server.

Create directory on NFS server for copying files. (10.129.26.57)

```
$ cd /home/edx  
$ mkdir ldata
```

Use scp command to copy content from local server to NFS server. Following command to be executed on local server. (10.129.46.156)

```
$ cd /var/www/ltda  
scp <path/of/digital/assets/digital/assets/directory/on/local/server>  
<user-name-nfs-server>@<ip-addr-nfs-server>: <location/on/nfs/server>  
$ scp ./edx@10.129.26.57:/home/edx/ltda
```

Copying Files directory on NFS Server

```
$ cd ~/EPPortal/Generalized-EPP-master/  
$ scp files.tar.gz edx@10.129.26.57:
```

Enter root password of remote NFS server system.

Open new terminal and connect to NFS server system (10.129.46.156)

```
$ ssh -X edx@10.129.26.57
```

Enter password of NFS system

Create Directory for files. (10.129.26.57)

```
$ cd ~/..  
$ sudo mkdir NFSFILE  
$ cd NFSFILE  
$ sudo cp /home/edx/files.tar.gz ./  
$ sudo tar -xvf files.tar.gz
```

Installation and Configuration of NFS (10.129.26.57)

Execute following commands to setup NFS server.

Setting up Server

```
$ sudo apt-get update  
$ sudo apt-get install nfs-kernel-server
```

Exporting and Configuring directory on Server

```
$ sudo chown nobody:nogroup /NFSFILE/files
```

```
$ sudo vi /etc/exports
```

Add <Folder path> <client IP>(sharing).

Ex. /NFSFILE/files 10.129.28.158(rw,sync,no_subtree_check)

```
$ sudo systemctl restart nfs-kernel-server
```

Creating Directory and Mounting on Client (10.129.28.128)

```
$ cd ~/..
```

```
$ sudo mkdir NFSCL
```

```
$ cd NFSCL
```

```
$ sudo mkdir files
```

```
$ sudo mount 10.129.26.57:/NFSFILE/files /NFSCL/files
```

```
$ cd
```

```
$ sudo mkdir archive
```

Creating Symbolic Link (10.129.28.158)

```
$ sudo ln -s /NFSCL/files /var/www/ eminentpp/docroot/sites/default/
```

Creating Archive directory and assign ownership and permissions (10.129.26.57)

```
$ cd /NFSFILE/files
```

```
$ sudo mkdir archive
```

```
$ sudo chmod 777 -R ./archive
```

```
$ cd /NFSFILE/
```

```
$ sudo chown -R www-data:www-data ./files/
```

Virtual Host Configuration (10.129.28.158)

Now, adjust virtual host configuration to allow the use of an .htaccess file.

```
$ sudo vi /etc/apache2/sites-enabled/000-default.conf
```

Within the "VirtualHost" block, add a directory block that points to our web root. Within this block, set the AllowOverride directive to "All".

```
<VirtualHost *:80>
```

```
...
```

```
  ServerName example.com
```

```
  ServerAdmin webmaster@example.com
```

```
  DocumentRoot /var/www/ eminentpp/docroot
```

```
  <Directory /var/www/ eminentpp/docroot>
```

```
    AllowOverride All
```

```
  </Directory>
```

```
...
```

```
</VirtualHost>
```

Save and close the file.

Now, restart the web server to implement our changes to Apache and PHP.

```
$ sudo service apache2 restart
```

Cache rebuild and Apache Server Restart (10.129.28.158)

```
cd /var/www/minentpp/docroot
```

```
$ sudo su
```

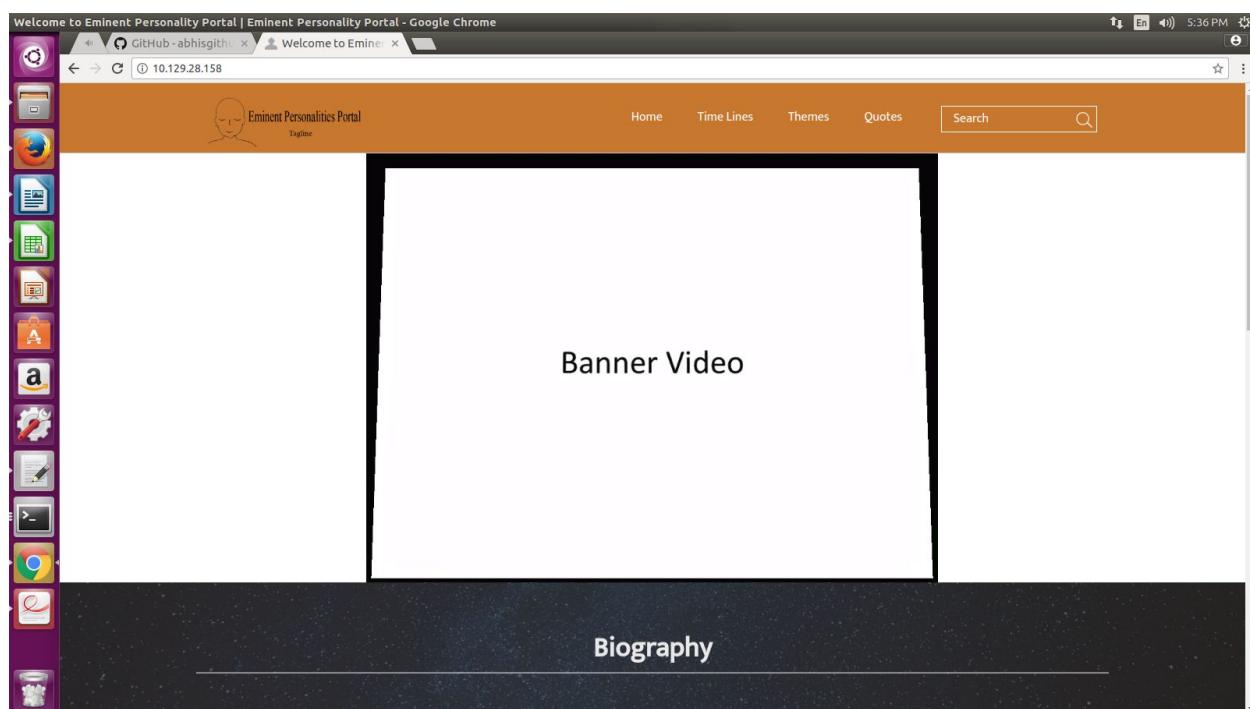
```
# drush8 cr
```

```
$ sudo service apache2 restart
```

Checking Portal: (10.129.28.158)

Open Web browser and enter URL - <http://10.129.28.158>

If procedure is followed properly, Eminent Personality Portal home page will open.



4. Demo Accounts in EPP

Demo accounts are created in EPP portal. Following credentials can be used to login into EPP portal

Username	Password
admin	Admin@2017
eppadmin	EPPAdmin@2017

Username and password should be changed and set secure username and password.

Login in portal with demo username and password. Navigate to Manage > People.

The screenshot shows a Drupal-based administrative interface for the EPP Portal. The top navigation bar includes links for Back to site, Manage, Shortcuts, eppadmin, and Devel. The main menu items are Content, Structure, Appearance, Extend, Configuration, Translation, People, Reports, and Help. The current page is 'Administration' under 'People'. A message box at the top right indicates security updates are available. Below the message, there's a '+ Add user' button and search/filter fields for Name or email contains, Role, Permission, and Status. A dropdown for Action shows 'Update URL alias'. A 'Apply to selected items' button is present. A table lists two users: 'eppadmin' (Active, Administrator role, member for 3 months, last accessed 10 seconds ago) and 'admin' (Active, Administrator role, member for 1 year 2 months, last accessed 1 month 1 week ago). Each user row has an 'Edit' button in the Operations column. At the bottom left is another 'Apply to selected items' button.

Click on “Edit” button in front of user, for which username and password is to be changed.

The screenshot shows a Google Chrome window with multiple tabs open. The active tab is 'eppadmin | Lokamanya Tilak Portal - Google Chrome' at the URL 'lokamanyatilak.nvli.in/user/282/edit?destination=admin/people'. The page title is 'eppadmin ☆'. The top navigation bar includes 'Content', 'Structure', 'Appearance', 'Extend', 'Configuration', 'Translation', 'People', 'Reports', and 'Help'. Below the navigation is a toolbar with 'View', 'Shortcuts', 'Edit', 'Devel' (which is selected), and 'Translate'. A sidebar on the left contains icons for various site sections like 'Inbox', 'Shared with me', 'EPP Portal Setup', 'EPP Data Curation', '(150) CSE Webmail', 'Index of /nvli/data', and 'eppadmin | Lokamanya Tilak Portal'. The main content area displays a message about security updates and form fields for changing the password. The 'Username' field is pre-filled with 'eppadmin'. The 'Password' and 'Confirm password' fields are empty. A note below the password fields says 'Passwords match: To change the current user password, enter the new password in both fields.' There are also notes about email address and password strength.

eppadmin | Lokamanya Tilak Portal - Google Chrome

Inbox (526) - pank... Shared with me - EPP Portal Setup - EPP Data Curation - (150) CSE Webmail - Index of /nvli/data - eppadmin | Lokamanya Tilak Portal

Not secure | lokamanyatilak.nvli.in/user/282/edit?destination=admin/people

Back to site Manage Shortcuts eppadmin Devel

Content Structure Appearance Extend Configuration Translation People Reports Help

eppadmin ☆

View Shortcuts Edit Devel Translate

Home > eppadmin

There is a security update available for your version of Drupal. To ensure the security of your server, you should update immediately! See the [available updates](#) page for more information and to install your missing updates.

There are security updates available for one or more of your modules or themes. To ensure the security of your server, you should update immediately! See the [available updates](#) page for more information and to install your missing updates.

Current password

Required if you want to change the *Email address* or *Password* below. Reset your password.

Email address

A valid email address. All emails from the system will be sent to this address. The email address is not made public and will only be used if you wish to receive a new password or wish to receive certain news or notifications by email.

Username *

Several special characters are allowed, including space, period (.), hyphen (-), apostrophe ('), underscore (_), and the @ sign.

Password

Password strength:

Confirm password

Passwords match:

To change the current user password, enter the new password in both fields.

Edit username and password and click on “Save” button.

5. Apache Solr Setup (10.129.28.158)

Update the system

```
$ sudo apt-get update && apt-get upgrade -y
```

Install Python Software properties in order to install the latest Java 8. Run the following command to install the software and Press Y to continue.

```
$ sudo apt-get install python-software-properties
```

Add the webupd8team Java PPA repository in the system by running following command.

```
$ sudo add-apt-repository ppa:webupd8team/java
```

Press [ENTER] when requested. Now, you can install the latest version of Java 8 with apt-get.

Update the package lists to fetch the available packages from the new PPA

```
$ sudo apt-get update
```

Install the latest version of Oracle Java 8 using following command

```
$ sudo apt-get install oracle-java8-installer
```

Press Y to continue and agree to the license by clicking on the OK button.

check the version of Java installed by running the following command

```
$ java -version
```

System displays the version of java as follows:

```
Java version "1.8.0_91"
```

```
Java(TM) SE Runtime Environment (build 1.8.0_91-b14)
```

```
Java Hotspot(TM) 64-Bit Server VM (build 25.91-b14, mixed mode)
```

Now download the required solr version from its official site or mirrors. Or simply use following command to download Apache Solr 6.2.0.

```
$ cd /opt
```

```
$ sudo wget https://archive.apache.org/dist/lucene/solr/6.2.0/solr-6.2.0.tgz
```

Extract solr service installer shell script from the downloaded Solr archive file and run installer using following commands.

```
$ sudo tar xzf solr-6.2.0.tgz solr-6.2.0/bin/install_solr_service.sh --strip-components=2
```

```
$ sudo bash ./install_solr_service.sh solr-6.2.0.tgz
```

Use the following commands to Start, Stop and check status of Solr service.

```
$ sudo service solr stop
```

```
$ sudo service solr start
```

```
$ sudo service solr status
```

Default Solr runs on port 8983. You can access Solr port in your web browser and you will get Solr dashboard.

<http://<ip address>:8983/>

Ex. <http://10.129.28.158:8983/>

Create Core on Apache Solr Server using below 3 commands

```
$ sudo su - solr -c "/opt/solr/bin/solr create -c eminent_production -n data_driven_schema_configs"
```

Note: <eminent_production> is name of the solr core. User is free to choose any name for solr core.

```
$ sudo su - solr -c "mkdir /var/solr/data/eminent_production/conf"
```

```
sudo su - solr -c "cp [WEBROOT]/modules/contrib/search_api_solr/solr-conf/6.x/*  
/var/solr/data/eminent_production/conf"
```

WEBROOT is path of module directory in Drupal codebase.

Ex.

```
$ sudo su - solr -c "cp  
/var/www/eminentpp/docroot/modules/contrib/search_api_solr/solr-conf/6.x/*  
/var/solr/data/eminent_production/conf"
```

Newly created solr core can be found in dashboard of Solr :<http://10.129.28.158:8983/>

Solr Admin - Mozilla Firefox

10.129.28.158:8983/solr/#/-cores/eminent_production

Core Admin

eminent_production

Core

Index

Documentation Issue Tracker IRC Channel Community forum Solr Query Syntax

Now open eminent personality portal and login with admin authority.

Ex. <http://10.129.28.158/>

Navigate to Configuration and click on Search API. System displays interface to configure solr.

Search API | Eminent Personality Portal - Mozilla Firefox (Private Browsing)

10.129.28.158/admin/config/search/search-api

Back to site Manage Shortcuts pankajp Devel

Content Structure Appearance Extend Configuration Translation People Reports Help

Search API ☆

Home » Administration » Configuration » Search and metadata

Below is a list of indexes grouped by the server they are associated with. A server is the definition of the actual indexing, querying and storage engine (for example, an Apache Solr server, the database, ...). An index defines the indexed content (for example, all content and all comments on "Article" posts).

+ Add server + Add index + Execute pending tasks

TYPE	NAME	STATUS	OPERATIONS
Server	Eminent	✓	Edit
Index	Eminent The eminent portal search index	✓	Edit

Click on “Edit” button in front of Server, to configure solr server.

The screenshot shows a Mozilla Firefox browser window titled "Edit search server Eminent | Eminent Personality Portal - Mozilla Firefox (Private Browsing)". The URL in the address bar is 10.129.28.158/admin/config/search/search-api/server/eminent/edit. The page displays the configuration for the "Eminent" search server. The "Edit" tab is selected. The "Server name" field contains "Eminent". The "Enabled" checkbox is checked. The "Description" field is empty. The "Backend" section shows "Solr" selected. At the bottom, there is a "CONFIGURE SOLR BACKEND" button.

Select “Standard” Solr connector by selecting radio button.

Update Solr host field: Enter IP address of machine on which solr is installed.

Example : 10.129.28.158

Click on “Save” button to save the configuration.

Click on “Execute Tasks Now” tab at the bottom of the page, which executes pending tasks and after successful completion, shows message for the same.

6. Import Metadata into Portal

Dublin core metadata standard is used for Eminent Personalities portal. Order of columns should be strictly as mentioned below. Metadata should be stored in CSV format.

1. Assignee
2. Status
3. Comment/ Suggestion
4. Local URL
5. SHA1 hash
6. Org/Dup. Check
7. YYYY
8. Source ID
9. Accession Number
10. Internal ID / Seq ID
11. Unique Resource ID
12. Title
13. Org/Dup. Check
14. Creator
15. Date.Created
16. Coverage.Temporal
17. Coverage.Spatial
18. Publisher
19. Description
20. Language
21. File type
22. Content Type
23. Format
24. Copyright
25. Keyword/ Subject

Before importing metadata in the portal, some pre-processing is required, such as, hashing files, copying files to target location, removing duplicate files, mapping of file path and metadata, etc. Python scripts are used for executing above mentioned pre-processing tasks.

```
$ cd ~/Generalized-EPP-master/
```

Extract eputils.tar.gz file by executing following command.

```
$ tar -xvf epputils.tar.gz
```

Copy the metadata file in csv format in Generalized-EPP-master directory. Example:
eppmetadata.csv

Open hashfile.py and update urlprefix and srmdir.

urlprefix - Urlprefix is path of directory where files are stored for data curation.(On Local Server)

For example urlprefix = "http://10.129.46.156/ltda"

srmdir - srmdir is path of directory on NFS server, where files are copied from local server.

For Example: srmdir = "/home/edx/ltda"

Ensure urlprefix and srmdir paths entered correctly and save hashfile.py.

Now open terminal, invoke python interpreter and pass hashfile.py and csv file as arguments.

```
$ python hashfile.py eppmetadata.csv
```

System generates new csv file with name “hashed- eppmetadata.csv”. File contains following columns.

1. Assignee
2. Status
3. Comments/ Suggestion
4. Local URL
5. SHA1 hash
6. Org/Dup. Check
7. YYYY
8. Source ID
9. Accession Number
10. Internal ID / Seq ID
11. Unique Resource ID
12. Title
13. Org/Dup. Check
14. Creator
15. Date.Created
16. Coverage.Temporal
17. Coverage.Spatial
18. Publisher
19. Description
20. Language
21. File type

22. Content Type
23. Format
24. Copyright
25. Keyword/ Subject

Open hashed- eppmetadata.csv file. Now you can find system has assigned hashkey for all files. Sort files based on hashkey values. Remove duplicate entries in the csv file, wherever hashkey matches. Finally delete both Org/Dup. Check columns in the csv sheet and save the file.

Sane file

To execute sanefile.py, it is necessary to install python-magic module.

```
$ sudo apt-get install python-pip
```

After Successful installation system displays following message.

Successfully installed python-magic

You are using pip version 8.1.1, however version 9.0.1 is available.

You should consider upgrading via the 'pip install --upgrade pip' command.

Now install python -magic by executing following command.

```
$ pip install python-magic
```

Open sanefile.py file and edit the followings.

urlprefix - Urlprefix is path of directory where files are stored for data curation.

For example urlprefix = "http://10.129.46.156/ltdata"

scredir - scredir is directory on main server (10.129.28.158), where digital assets are copied from temporary server.

For Example: scredir = "/home/edx/ltdata"

destroot- destroot is directory where actually files will be stored on server and accessed by drupal.

For example: destroot = "/NFSCL/files"

Ensure urlprefix, scredir, and destroot paths are entered correctly and save hashfile.py.

Now open terminal, invoke python interpreter and pass sanefile.py and hashed csv file as arguments.

```
$ python hashfile.py hashed-eppmetadata.csv
```

System generates new csv file with name “processed-hashed-eppmetadata.csv”. File contains following columns.

1. Filename (relative)
2. SHA1
3. Title
4. Creator
5. Date
6. Coverage.Temporal
7. Coverage.Spatial
8. Publisher
9. Description
10. Language
11. File type
12. Content Type
13. Format
14. Copyright
15. Keyword/ Subject

Finally generated processed-hashed-eppmetadata.csv file can be used for importing metadata in the portal.

Media Migration

A custom module named ‘eminent_migrate’ is used to migrate new media contents. Its having a config file migrate_plus.migration.migrate_media.yml.

Open migrate_plus.migration.migrate_media.yml file and update id and path.

```
$ sudo nano  
/var/www/eminentpp/docroot/modules/custom/eminent_migrate/config/install/migrate_plus.migration.migrate_media.yml
```

For example:

id: stage_migrate_all

(Note : For every batch of metadata migration increment id)

path: '/home/edx/Generalized-EPP-master/processed-hashed-eppmetadata.csv'

Ensure you have entered correct path for csv file and save file.

Open portal by entering URL (<http://10.129.25.158>) and login with admin role.

Navigate to Manage > Extend.

The screenshot shows the Extend page of a Drupal site. At the top, there are two warning messages: "There was a problem checking available updates for Drupal. See the [available updates](#) page for more information and to install your missing updates." and "There was a problem checking available updates for your modules or themes. See the [available updates](#) page for more information and to install your missing updates." Below these messages, it says "Download additional contributed modules to extend your site's functionality. Regularly review and install available updates to maintain a secure and current site. Always run the update script each time a module is updated." A button labeled "+ Install new module" is present. A search bar allows filtering by module name. The page lists several core modules under the "CORE" category:

Module	Description
Actions	► Perform tasks on specific events triggered within the system.
Activity Tracker	► Enables tracking of recent content for users.
Aggregator	► Aggregates syndicated content (RSS, RDF, and Atom feeds) from external sources.
<input checked="" type="checkbox"/> Automated Cron	► Provides an automated way to run cron jobs, by executing them at the end of a server response.
Ban	► Enables banning of IP addresses.

Tick checkboxes in front of the following modules.

1. Migrate
2. Eminent Migrate
3. Migrate Plus
4. Migrate Source CSV
5. Migrate Tools

Click on the “install” at the bottom of the page and then press “Continue. Message will be shown on successful enabling of five modules chosen above.

Now, navigate to Configuration > Configuration Synchronization > Import > Single item.

The screenshot shows the 'Single import' page of the Eminent Personality Portal. The URL is <http://10.129.28.158/admin/config/development/configuration/single/import>. The configuration type dropdown is set to 'Select'. The 'Paste your configuration here' text area is empty.

Select “Migration” as a Configuration Type and copy content of migrate_plus.migration.migrate_media.yml file in the space provided for configuration contents.

The screenshot shows the 'Single import' page with 'Migration' selected as the configuration type. The 'Paste your configuration here' text area contains the following YAML code:

```
# The source data is in CSV files, so we use the 'csv' source plugin.
id: start_migrate_a2
label: CSV page migration
migration_tags:
- CSV
source:
plugin: csv
# Full path to the file.
path: /home/eddy/cuputils/master/processed-modified.csv
# The number of rows at the beginning which are not data.
header_row_count: 1
# These are the field names from the source file representing the key
# uniquely identifying each game - they will be stored in the migration
# map table as columns sourceid1, sourceid2, and sourceid3.
keys:
- sha1
# Here we identify the columns of interest in the source file. Each numeric
# key is the 0-based index of the column. For each column, the key below
# (#(e.g., "start_date")) is the field name assigned to the data on import, to
# be used in field mappings below. The value is a user-friendly string for
# display by the migration UI.
column_names:
# So, here we're saying that the first field (index 0) on each line will
# be stored in the start_date field in the Row object during migration, and
```

Click “Import” button and next confirm. Message will be shown on successful import of configuration.

Run following drush command in terminal.

```
# drush8 mi stage_migrate_a2
```

After migration of metadata message like as shown below will be shown.

*Processed 36 items (35 created, 0 updated, 1 failed, 0 ignored) - done [status]
with 'stage_migrate_a2'*

Now navigate to Manage > Extend > Uninstall.

The screenshot shows the 'Uninstall' page in the Drupal 8 Admin UI. The URL is 10.129.28.158/admin/modules/uninstall. The page has a sidebar with various icons. The main content area is titled 'Uninstall' with tabs for 'List', 'Update', and 'Uninstall'. It shows a table with columns 'UNINSTALL', 'NAME', and 'DESCRIPTION'. The table lists the following modules:

UNINSTALL	NAME	DESCRIPTION
<input type="checkbox"/>	AudioField	Adds audio widget for uploading and playing audio files.
<input type="checkbox"/>	Automated Cron	Provides an automated way to run cron jobs, by executing them at the end of a server response.
<input type="checkbox"/>	Blazy	Provides basic Blazy integration for lazy loading and multi-serving images. The following reason prevents Blazy from being uninstalled: <ul style="list-style-type: none">Required by: Slick, Slick Media, Slick Views, Slick UI
<input type="checkbox"/>	Block	Controls the visual building blocks a page is constructed with. Blocks are boxes of content rendered into an area, or region, of a web page. The following reason prevents Block from being uninstalled: <ul style="list-style-type: none">Required by: Custom Block, Contact Block, Chaos tools Views, Eminent Admin, Translation Management Core, Content Entity Source, Drupal user
<input type="checkbox"/>	Breakpoint	Manage breakpoints and breakpoint groups for responsive designs. The following reason prevents Breakpoint from being uninstalled: <ul style="list-style-type: none">Required by: Toolbar
<input type="checkbox"/>	CAPTCHA	Provides the CAPTCHA API for adding challenges to arbitrary forms. The following reason prevents CAPTCHA from being uninstalled: <ul style="list-style-type: none">Required by: reCAPTCHA

Select and uninstall Migrate, Eminent Migrate, Migrate Plus, Migrate Source CSV, Migrate Tools.

Now user can check file uploaded on the Eminent Personalities Portal. Navigate to Manage > Content > Media.

Screenshot of the Eminent Personality Portal's Media management interface in Google Chrome. The URL is 10.129.28.158/admin/content/media.

The interface includes a sidebar with various icons for site management, a top navigation bar with links like Back to site, Manage, Shortcuts, eppadmin, and Devel, and a main content area with tabs for Content, Comments, Files, and Media.

The Media tab is selected, showing a list of media items:

Thumbnail	Media Name	Provider	Author	Status	Updated	Operations
	Lokmanya Tilak and Agarkar's Friendship	Audio	Published	10/30/2017 - 00:14	Edit	View
	Short Biography of Lokmanya Tilak	Audio	Published	10/30/2017 - 00:14	Edit	View
	Lokmanya Tilak — A Dynamic Personality	Audio	Published	10/30/2017 - 00:14	Edit	View

Click on Media Name and check media files are opening appropriately.

Screenshot of the Eminent Personality Portal's media detail page for "Lokmanya Tilak on Ganesh Festival Celebration". The URL is 10.129.28.158/media/2752.

The page features a video player showing a portrait of Lokmanya Tilak. Below the video are buttons for View, Edit, Delete, Devel, and Translate.

On the right side, there is descriptive text about the video and sections for "View Meta Data", "Media Referred Timeline", and "Media Referred Playlist".

7. Indexing Content on the Solr

Restart solr server and apache server.

```
$ sudo service solr restart
```

```
$ sudo service apache2 restart
```

Clear cache and Rebuild.

```
# drush8 cr
```

Navigate to Manage > Configuration > Search API

The screenshot shows a Firefox browser window with the URL 10.129.28.158/admin/config/search/search-api. The page title is "Search API | Eminent Personality Portal - Mozilla Firefox (Private Browsing)". The main content area is titled "Search API". It displays a table of search indexes:

Type	Name	Status	Operations
Server	Eminent	✓	Edit
Index	Eminent The eminent portal search index	✓	Edit

Click on “Eminent” in front of index, system displays indexing details as follows.

Eminent | Eminent Personality Portal - Mozilla Firefox (Private Browsing)

Back to site Manage Shortcuts eppadmin Devel

Content Structure Appearance Extend Configuration Translation People Reports Help

View Edit Fields Processors

Home > Administration > Configuration > Search and metadata > Search API

The eminent portal search index

Index status

35/35 indexed 100%

Status enabled (disable)

Data source Content

Data source Media

Tracker Default

Server Eminent

Server index status There are 35 items indexed on the server for this index. ([More information](#))

Cron batch size During cron runs, 50 items will be indexed per batch.

START INDEXING NOW

Index all items in batches of 50 items

[Queue all items for reindexing](#) [Clear all indexed data](#)

Click on “Clear All indexed data” and confirm, system clears all the indexed items.

Eminent | Eminent Personality Portal - Mozilla Firefox (Private Browsing)

Back to site Manage Shortcuts eppadmin Devel

Content Structure Appearance Extend Configuration Translation People Reports Help

View Edit Fields Processors

Home > Administration > Configuration > Search and metadata > Search API

The eminent portal search index

Index status

0/35 indexed 0%

Status enabled (disable)

Data source Content

Data source Media

Tracker Default

Server Eminent

Server index status There are 35 items indexed on the server for this index. ([More information](#))

Cron batch size During cron runs, 50 items will be indexed per batch.

START INDEXING NOW

Index all items in batches of 50 items

[Queue all items for reindexing](#) [Clear all indexed data](#)

Click on “Index Now” button and refresh the page, system shown details of newly indexed items. Now system can return search results based on search keywords.

The screenshot shows the Eminent Personality Portal's search configuration interface. At the top, there are tabs for View, Edit, Fields, and Processors. Below that, a breadcrumb navigation shows Home > Administration > Configuration > Search and metadata > Search API. The main section is titled "Index status" and displays the following information:

- Status: enabled ([disable](#))
- Data source: Content
- Data source: Media
- Tracker: Default
- Server: Eminent
- Server index status: There are 35 items indexed on the server for this index. ([More information](#))
- Cron batch size: During cron runs, 50 items will be indexed per batch.

At the bottom, there is a "START INDEXING NOW" button with options to "Index all items in batches of 50 items" or "Index now". There are also links to "Queue all items for reindexing" and "Clear all indexed data".

Go to “Home Page” of the portal and enter keyword in search box. For Example. “Tilak”

The screenshot shows the Eminent Personality Portal's search results page. The search bar at the top contains the keyword "tilak". Below the search bar, there are tabs for Media, Thematic collection, Timeline, and Quote. The Media tab is selected, showing 12 of 34 media items found. The results are displayed in a grid:

- Family of Bal Ganghadar Tilak
- Lokmanya Tilak's Grandson
- The Coin of Republic India
- Second Sedition Case

Each result item includes a thumbnail image and two small icons at the bottom right.

Search results can also be filtered based on the type of digital asset (document, image, audio, video). Click on “Show filters” and click on type of asset. Ex. Audio.

The screenshot shows a web browser window titled "Search Results | Eminent Personality Portal - Mozilla Firefox (Private Browsing)". The URL is 10.129.28.158/search/media?keyword=tilak&f[0]=media_type%3Aaudio. The interface is a content management system (CMS) with a sidebar containing various icons for managing content, structure, appearance, and reports. The main area has a search bar with the term "tilak". Below it, there is a "Media Type" filter section with checkboxes for Audio (checked), Image, Document, and Video. A "Close Filters" link is present. Below the filter is a navigation bar with tabs: Media (selected), Thematic collection, Timeline, and Quote. A message indicates "Showing 1 - 12 of 16 Media found." Four media items are listed in cards:

- Differences between Lokmanya Tilak and Agarkar** (Icon: microphone)
- Tai Maharaj incident** (Icon: microphone)
- Contributions of Lokmanya Tilak in the Indian National Congress** (Icon: microphone)
- Lokmanya Tilak — His moralities** (Icon: microphone)

Each card includes small navigation icons at the bottom right.

8. Configuration of EPP

Removing Demo images and video

EPP distribution has demo images and videos on the front page. Following figure shows wireframe of Home page of EPP portal.

To remove image/video use following command.

```
sudo rm -rf <path/to/image/video>/image_name.png  
sudo rm -rf <path/to/image/video>/video_name.webm
```

<p>Logo</p>	<p>Home Timelines Themes Quotes</p>	<p>Search Box</p>	
<p>Website Banner</p>			
<p>Biography</p>			
<p>Launch Quiz</p>			
<p>Timeline</p>			
<p>Theme 1</p>	<p>Theme 2</p>	<p>Theme 3</p>	<p>Theme 4</p>
<p>Quotes</p>	<p>Website Feedback</p>		
<p>Biography</p>	<p>Quick Links</p>	<p>Policies</p>	
<p>Home About Us Login</p>			

Inserting Images on Homepage

Demo images/videos can be copied to target location by executing following command for each image and video.

```
sudo cp <source/image/path>/image_name.png <target/location/path>/  
sudo cp <source/image/path>/video_name.png <target/location/path>/
```

The following table indicates Image location in wireframe, target file location for image, and specifications.

Location in Wireframe/Homepage	Target file location and file name	Image/Video Specification
Favicon Image	/var/www/eminentpp/docroot/sites/default/files/favicon_1.ico	Dimension: 16px × 16px
Logo	/var/www/eminentpp/docroot/sites/default/files/logo.png	Dimension: 500px × 150px
Banner Image for PC	/var/www/eminentpp/docroot/themes/eminent_sardar/images/slider/banner_pc.jpg	Dimension: 3,676px × 1,499px (approximately)
Banner Image for Mobile	/var/www/eminentpp/docroot/themes/eminent_sardar/images/slider/banner_quotes_mobile.png	Dimension: 297px × 360px (approximately)
Banner Video	/var/www/eminentpp/docroot/sites/default/files/videos/banner_video.webm	Size should be less than 2 MB and length should be around 15 Seconds.
Biography Background	/var/www/eminentpp/docroot/themes/eminent_sardar/images/biobg.png	Dimension: b1,574px × 914px (approximately)
Quotes Background	/var/www/eminentpp/docroot/themes/eminent_sardar/images/quotebg.jpg	Dimension: 1,200px × 779px (approximately)

Slick Quiz Image	/var/www/eminentpp/docroot/themes/eminent_sardar/images/epp_quiz.png	Dimension: 308px × 440px (approximately)
------------------	--	--

After copying images and videos to target location, give 755 permission to all images and video.

sudo chmod 755 <path/to/image>/imagename.png

sudo chmod 755 <path/to/video>/videoname.webm

After inserting all images, rebuild the cache.

```
$ cd /var/www/eminentpp/docroot/
```

```
$ sudo su
```

```
# drush8 cr
```

Open web browser and insert URL <http://10.129.28.158/> and refresh page. Newly inserted images and videos will be loaded on the home page.



Next, login with admin role and ensure whether banner video path is appropriate.

The screenshot shows the Eminent Personality Portal homepage for Lokamanya Tilak. The main title "LOKAMANYA TILAK" is prominently displayed. Below it is a subtitle "Tagline for Eminent Personality". A brief description follows: "Showcasing for the archival records (images, documents, audio and video recordings) of Eminent Person." A note indicates that users can search or browse through curated sections like Biography, Thematic Collections, or Timelines. To the right is a large black and white portrait of Tilak. Below the main content is a banner with a historical photograph of a crowd. Navigation links include "Home", "Time Lines", "Themes", "Quotes", "Welcome eppadmin", "Search", and "English". A sidebar on the left contains various icons. A context menu is open over the portrait, listing options: "Configure block", "Translate block", "Edit", "Delete", and "Translate".

The screenshot shows the "Edit Basic block Banner" page. The title is "Edit Basic block Banner". The "Block description" field contains "Banner". The "Body" field displays the following HTML code:

```
<section class="no-margin" id="main-slider" style="margin-top:-30px;">
<div class="carousel slide" data-interval="false" data-ride="carousel" id="myCarousel" style=""><!-- Indicators --><!-- Wrapper for slides -->
<div class="carousel-inner" role="listbox">
<div class="item active">
<div class="video-banner-wrapper">
<video autoplay="autoplay" id="bannervideo" preload="none"><source src="http://10.129.28.158/sites/default/files/videos/banner_video.webm" type="video/webm" /></video>
</div>
</div>
<div class="item">
</div>
</div>
</div>
```

The "Text format" dropdown is set to "Full HTML". The "Language" dropdown is set to "English". There is a "TRANSLATION" field at the bottom.

9. Basic Site Configurations

1. Setting Site Name

Login into portal with Administrator role and navigate to Manage > Configuration > Basic Site Settings.

The screenshot shows the 'Basic site settings' page in a Mozilla Firefox browser window. The URL is 10.129.28.158/admin/config/system/site-information. The page has a dark-themed header with links for Back to site, Manage, Shortcuts, eppadmin, and Devel. Below the header is a navigation bar with links for Content, Structure, Appearance, Extend, Configuration, Translation, People, Reports, and Help. The main content area is titled 'Basic site settings' and contains three sections: 'SITE DETAILS', 'FRONT PAGE', and 'ERROR PAGES'. In the 'SITE DETAILS' section, there are fields for 'Site name' (Eminent Personality Portal), 'Slogan' (empty), and 'Email address' (feedback@email.in). A note below the email field states: 'The From address in automated emails sent during registration and new password requests, and other notifications. (Use an address ending in your site's domain to help prevent this email being flagged as spam.)'. In the 'FRONT PAGE' section, there is a field for 'Default front page' set to http://10.129.28.158 /node. A note below it says: ' Optionally, specify a relative URL to display as the front page. Leave blank to display the default front page.' In the 'ERROR PAGES' section, there are fields for 'Default 403 (access denied) page' and 'Default 404 (not found) page', both of which are currently empty. On the left side of the page, there is a vertical sidebar with various icons representing different administrative functions like Content, Structure, Appearance, etc.

Enter site name and email address and save. (Email address entered will be used as *From* address in automated emails sent during registration and new password requests, and other notifications.) Now, refresh the page and you can view site name updated in the browser tab.

2. Banner Content

Scroll over mouse on the top-right corner of the banner block (portion), and click on the pencil symbol. Now, system displays menu items available for block configurations.

Home | Eminent Personality Portal - Mozilla Firefox

10.129.28.158

LOKMANYA TILAK The Father of Indian Unrest

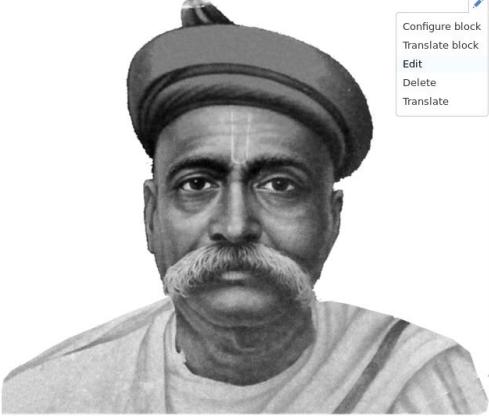
Home Time Lines Themes Quotes Welcome eppadmin Search English

LOKAMANYA TILAK

Tagline for Eminent Personality

Showcasing for the archival records (images,documents,audio and video recordings) of Eminent Person.

You can locate these records using the "Search" tool above. Alternatively you can browse through curated sections below: Biography, Thematic Collections or Timelines.



Biography

10.129.28.158/block/8?destination=node

Early life

Configure block
Translate block
Edit
Delete
Translate

Click on the “Edit” button, system displays page for editing banner block.

Edit Basic block Banner | Lokamanya Tilak Portal - Mozilla Firefox (Private Browsing)

10.129.28.158/block/8?destination=node

Back to site Manage Shortcuts eppadmin Devel

Content Structure Appearance Extend Configuration Translation People Reports Help

Edit Basic block Banner

Edit Delete Devel Translate

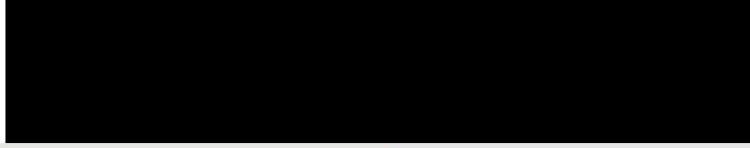
Home

Block description*

Banner

A brief description of your block.

Body

Text format Full HTML About text formats

Language English The custom block language code.

TRANSLATION

Click on “Source” button, system displays HTML source code of Banner block.

Edit Basic block Banner | Eminent Personality Portal - Mozilla Firefox

Back to site Manage Shortcuts eppadmin Devel

View profile Edit profile Log out

Edit Basic block Banner

Block description *
Banner
A brief description of your block.

Body

```
<section class="no-margin" id="main-slider" style="margin-top:-30px;">
<div class="carousel slide" data-interval="false" data-ride="carousel" id="myCarousel" style=""><!-- Indicators --><!-- Wrapper for slides -->
<div class="carousel-inner" role="listbox">
<div class="item active">
<div class="video-banner-wrapper">
<video autoplay="autoplay" id="bannervideo" preload="none"><source src="http://10.129.28.158/sites/default/files/videos/banner_video.webm" type="video/webm" /></video>
</div>
</div>
<div class="item">
```

Text format Full HTML About text formats

Language English The custom block language code.

TRANSLATION

Update the text in the HTML source code and save the page, changes will be immediately reflected in the banner block.

3. Contact Form settings

Navigate to Manage > Structure > Contact Forms.

Contact forms | Lokamanya Tilak Portal - Mozilla Firefox (Private Browsing)

Contact forms | Lokamanya Tilak Portal - Mozilla Firefox (Private Browsing)

Back to site Manage Shortcuts eppadmin Devel

Content Structure Appearance Extend Configuration Translation People Reports Help

Contact forms

Home > Administration > Structure

+ Add contact form

FORM	RECIPIENTS	SELECTED	OPERATIONS
Media Feedback	feedback@email.in	No	Edit
Personal contact form	Selected user	No	Manage fields
Website feedback	feedback@email.in	Yes	Edit

EPP system has two types of contact forms viz.

1. Media Feedback - To collect feedback from web visitor on each media files independently.
2. Website Feedback - To collect feedback from web visitors about overall website.

To update contact form for media feedback, click “Edit” button in front of media feedback.

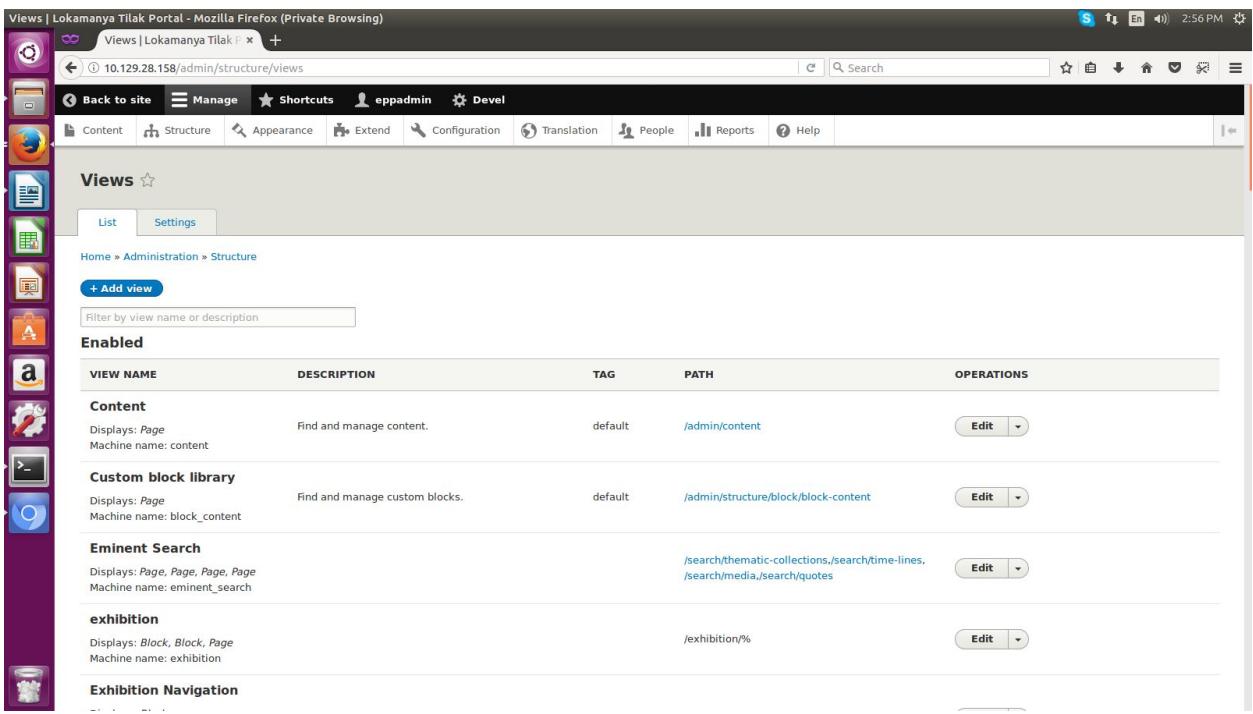
The screenshot shows the Joomla administrator interface with the title "Edit contact form | Lokamanya Tilak Portal - Mozilla Firefox (Private Browsing)". The URL in the address bar is 10.129.28.158/admin/structure/contact/manage/media_feedback. The page displays the configuration for a contact form labeled "Media Feedback". The "Label" field contains "Media Feedback" and the "Machine name" is "media_feedback". The "Recipients" field contains "feedback@email.in". The "Message" field contains the message "Thank you for your time in providing the feedback. We will review it and get back to you if required." The "Redirect path" and "Auto-reply" fields are empty. The left sidebar shows various administrator menu items like Content, Structure, Appearance, Extend, Configuration, Translation, People, Reports, and Help.

Enter recipient's email addresses and message to be displayed to web visitor on submitting media feedback; and click on “Save” button.

To update contact form for website feedback, execute similar instructions, which are mentioned for media feedback form.

4. General Quiz Settings

Navigate to Manage > Structure > Views



The screenshot shows the 'Views' page in the Lokamanya Tilak Portal's administration section. The URL is 10.129.28.158/admin/structure/views. The page title is 'Views | Lokamanya Tilak - Mozilla Firefox (Private Browsing)'. The left sidebar has icons for Content, Structure, Appearance, Extend, Configuration, Translation, People, Reports, and Help. The main content area is titled 'Views' with a star icon. It has tabs for 'List' and 'Settings', with 'List' selected. Below this is a breadcrumb navigation: Home > Administration > Structure. A blue button labeled '+ Add view' is visible. A search bar says 'Filter by view name or description'. The table below is titled 'Enabled'.

VIEW NAME	DESCRIPTION	TAG	PATH	OPERATIONS
Content Displays: Page Machine name: content	Find and manage content.	default	/admin/content	Edit More
Custom block library Displays: Page Machine name: block_content	Find and manage custom blocks.	default	/admin/structure/block/block-content	Edit More
Eminent Search Displays: Page, Page, Page, Page Machine name: eminent_search			/search/thematic-collections/search/time-lines, /search/media/search/quotes	Edit More
exhibition Displays: Block, Block, Page Machine name: exhibition			/exhibition/%	Edit More
Exhibition Navigation				

Find “General Quiz” and click “Edit” button in front of “General Quiz”.

General Quiz (Content) | Lokamanya Tilak Portal - Mozilla Firefox (Private Browsing)

General Quiz (Content) | Back to site | Manage | Shortcuts | eppadmin | Devel

Content | Structure | Appearance | Extend | Configuration | Translation | People | Reports | Help

General Quiz (Content) ☆

Edit | Translate view | Devel

Home > Administration > Structure > Views

Displays

Block | + Add | Edit view name/description | Duplicate Block

Display name: Block

TITLE
Title: Random Quiz

FORMAT
Format: Slick Quiz | Settings

FIELDS
The selected style or row format does not use fields.

FILTER CRITERIA
Content: Publishing status (= Yes)
Content: Content type (= quiz)

SORT CRITERIA
Global: Random (asc)

BLOCK SETTINGS
Block name: None
Block category: Lists (Views)
Allow settings: Items per page
Access: Permission | View published content

HEADER | Add

FOOTER | Add

NO RESULTS BEHAVIOR | Add

PAGER
Use pager: Display a specified number of items | 5 items
More link: No
Link display: None

LANGUAGE
Rendering Language: Content language of view row

Click “Settings” under Format. System pop-up window named “Block: Style options”.

General Quiz (Content) | Lokamanya Tilak Portal - Mozilla Firefox (Private Browsing)

General Quiz (Content) | Back to site | Manage | Shortcuts | eppadmin | Devel

Content | Structure | Appearance | Extend | Configuration | Translation | People | Reports | Help

General Quiz (Content) ☆

Edit | Translate view | Devel

Home > Administration

Block: Style options

Force using fields
If neither the row nor the style plugin supports fields, this field allows to enable them, so you can for example use groupby.

GENERAL SETTINGS

FIELD MAPPINGS

CSS classes
view-slick-quiz

PAGER
Use pager: Display a specified number of items | 5 items
More link: No
Link display: None

LANGUAGE
Rendering Language: Content language of view row

Apply | Cancel

Click on “General Settings”, system displays form to update general quiz settings.

The screenshot shows the Drupal administration interface. A modal window titled "Block: Style options" is open over a list of blocks. The "GENERAL SETTINGS" section contains fields for "The title for the quiz" (set to "Test your Knowledge!"), "Quiz Description" (containing the HTML <p> Quick knowledge checker!</p>), and "Quiz Results Description" (containing the placeholder "Here are your results:"). Below these are sections for "NO RESULTS BEHAVIOR", "PAGER", and "LANGUAGE". On the left sidebar, there are sections for "Displays", "TITLE", "FORMAT", "FIELDS", "FILTER CRITERIA", and "SORT CRITERIA". At the bottom of the modal are "Apply" and "Cancel" buttons.

Enter quiz title, quiz description, quiz results description and feedback for different levels, and then click “Apply” button, system displays following page.

The screenshot shows the Drupal administration interface. The main page is titled "General Quiz (Content)". The "BLOCK SETTINGS" section includes "Block name: None", "Block category: Lists (Views)", and "Allow settings: Items per page". The "ADVANCED" section includes "Access: Permission | View published content". The "PAGER" section shows "Use pager: Display a specified number of items | 5 items". The "PREVIEW" section shows a preview of the block with the title "Random Quiz". At the bottom are "Save" and "Cancel" buttons.

Finally, to make general quiz settings effective, click “Save” button.

5. Getting Quick Links

EPP portal provides quick links to Image Gallery, Videos, Audio Speeches and documents on the portal. As an example steps are provided below to obtain quick link for document.

Open EPP portal and enter “Document” keyword in the search field and press “Return” key. System displays search results of the document type media items.

The screenshot shows a Firefox browser window with the title "Search Results | Lokamanya Tilak Portal - Mozilla Firefox (Private Browsing)". The address bar contains the URL "10.129.28.158/search/media?keyword=document". The main content area is titled "Search Results" and shows a search bar with the text "document". Below the search bar are buttons for "Media", "Thematic collection", "Timeline", and "Quote". A message indicates "Showing 1 - 2 of 2 Media found." Two media items are listed: "Second Sedition Case" and "Criminal Appeal by Lokmanya Tilak". Each item has a thumbnail icon, a title, and two small navigation icons. On the left side of the browser window, there is a vertical sidebar with various icons representing different portal sections.

Now URL appearing in the address bar can be used as quick link for getting documents on the portal.

Ex: <http://10.129.28.158/search/media?keyword=document>

6. Updating Footer Section

Footer section of EPP portal consists of Biography, Quick Links, and Policies section. On setting up EPP it is necessary to set proper URLs for items under this section.

Mouse over on the “Quick Links” section and click pencil icon to get edit option.

The screenshot shows a web browser window for the Lokamanya Tilak Portal. The main content area displays a quote by Swami Vivekananda: "If one only attends to one's body, as one does to one's mind from the age of 16 to that of 25, and if the physical strength thus stored up is not dissipated by gluttony or vice, one can stand any amount of hard intellectual work till old age." Below the quote is a large orange-toned portrait of a person's face. To the right, there is a form for sending a message, with fields for 'Subject*' and 'Message*', a 'Send message' button, and a 'Help' link. On the left sidebar, there are icons for various site sections like Content, Structure, Appearance, Extend, Configuration, Translation, People, Reports, and Help. A 'Manage' menu is open, showing options like Shortcuts, eppadmin, and Devel. At the bottom, there are links for Home, About Us, Logout, and © 2017.

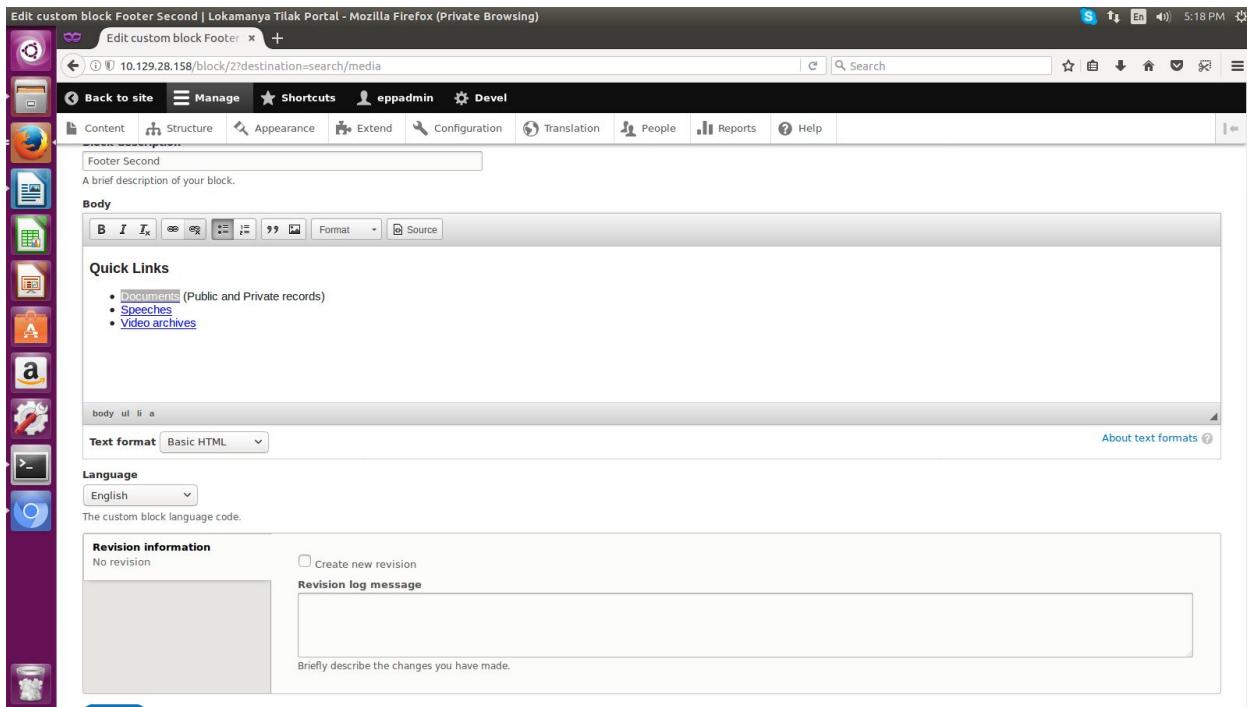
Click on “Edit” option then system displays page to edit contents of the “Quick Links ” page.

The screenshot shows the 'Edit custom block Footer Second' page. The title bar says 'Edit custom block Footer Second | Lokamanya Tilak Portal - Mozilla Firefox (Private Browsing)'. The page content includes:

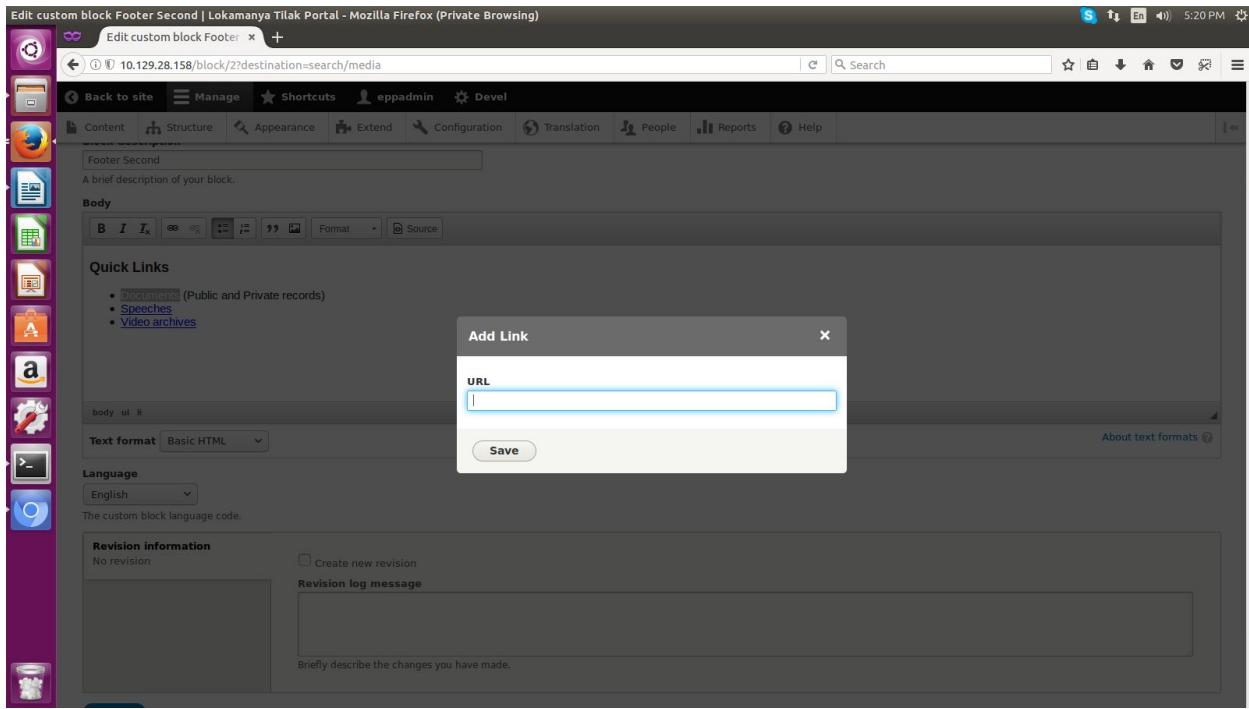
- A toolbar with buttons for Edit, Delete, Devel, and Translate.
- A 'Home' link.
- A 'Block description*' field containing 'Footer Second'.
- A 'Body' section with a rich text editor toolbar and a 'Quick Links' list:
 - Documents (Public and Private records)
 - Speeches
 - Video archives
- A 'Text format' dropdown set to 'Basic HTML'.
- A 'Language' dropdown set to 'English'.
- A 'Revision information' section stating 'No revision' and 'Create new revision'.

In this page you can add new items or update the URLs for existing items. As an example instruction are given below to update quick link of “Documents”.

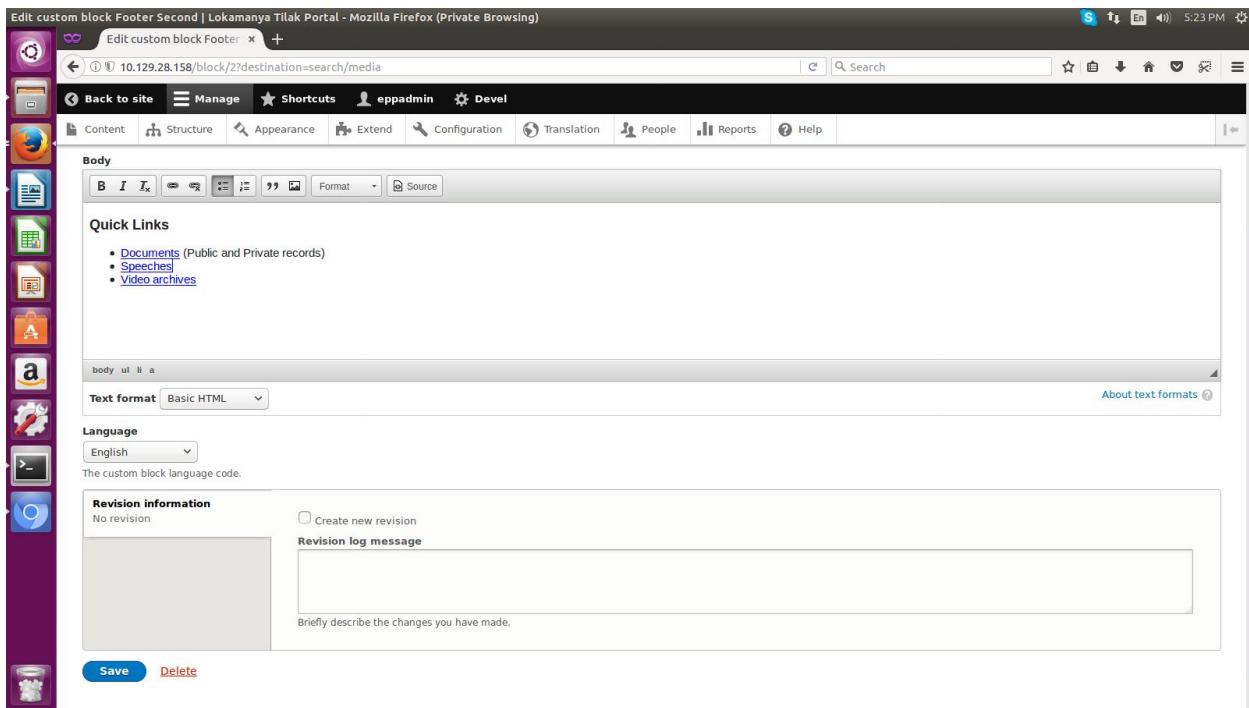
Select “Documents” and click on “Unlink” button as shown below. System removes hyperlink URL of documents.



To enter hyperlinking URL for documents select “Documents” and click on the “Link” button. System pop-ups window, wherein hyperlinking URL for “Documents” can be added.



Add hyperlinking URL for “Documents” in the URL field and save it.



Finally, Click “Save” button.