

Third-Party Site Audit

Site Audit Date: 12/7/2015

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Development Framework : Drupal

Development Framework version : 7.22

MySQL : 5.5.46

PHP : 5.6.16

Web Server : Nginx/Apache

I. Site Audit

I.A Modules

- *contrib module* : Contributed modules are packages of code that extend or enhance Drupal core to add additional (or alternate) functionality and features. These modules have been "contributed" back to the Drupal community by their authors.
- *custom module* : Custom modules created by the developer – often for a particular use case specific to the site they're working on.
- Admin path : admin/modules

Module	Description	Version	Status
Drupal Core		7.22	- hacked - 6 files changed
ched_dashboard	Commission Infographics Importer	7.x-1.0	- custom module
dof_dashboard	Commodity Infographics Importer	7.x-1.0	- costum module
jquery_update	JQuery updater	7.x-2.3+17-dev	- contrib module
vote_up_down	Vote Up/Down widget	7.x-1.0-alpha1+2-	- contrib module

		dev	
cck	Content Construction Kit. Add custom fields on node	7.x-2.x-dev	- contrib module - 2 files changed
charts	Charts. Visualise data in Graphs	7.x-2.0-beta5	- contrib module - 1 file changed
commentaccess	Comment Access. Control comments and add permission	7.x-1.x-dev	- contrib module - 2 files changed
flag	Flag. Customized flagging sytem like Add to bookmarks counter and Add to favorites	7.x-3.5	- contrib module - 1 file changed
openlayers	OpenLayers. For MapLayers objects	7.x-2.0-beta7	- contrib module - 1 file changed
proj4js	Proj4JS. Library to load coordinates into different projection	7.x-1.2	- contrib module - 6 files deleted
views	Views. Customized block views or pages	7.x-3.7	- contrib module - 1 file changed
adaptive_image	Adaptive Image. Non-destructive module to display image in different device	7.x-1.4	- contrib module
advanced_forum	Advanced Forum. Advanced comment system module	7.x-2.1	- contrib module
author_pane	Author Pane. Display the author information with pictures in block.	7.x-2.0-beta1	- contrib module
better_exposed_filters	Better Exposed Filters. Advanced views filters, enabled to add more filters when searching	7.x-3.0-beta4	- contrib module
chart	Google Chart Tools: Image Charts. Google	7.x-1.1	- contrib module

	API to display graphs		
ckeditor	CKEditor - WYSIWYG HTML editor	7.x-1.13	- contrib module
compact_forms	Compact Forms. Advanced form design with integrated Javascript	7.x-1.0	- contrib module
contextual_range_filter	Views Contextual Range Filter. Views plugin to add option to filter by range	7.x-1.1	- contrib module
ctools	Chaos tool suite. API to add more option for developers. Extends forms, content types, views and blocks.	7.x-1.3	- contrib module
date	Date. JQuery popup calendar	7.x-2.7	- contrib module
entity	Entity API. Extends the Entity API of drupal core. Add more ORM functionality	7.x-1.1	- contrib module
entityreference	Entity reference. More options for widgets, integrates with views, entity and feeds	7.x-1.0	- contrib module
exif	Exif. Display image metadata.	7.x-1.2	- contrib module
fboauth	Facebook OAuth (FBOAuth). Facebook OAuth API	7.x-1.6	- contrib module
features	Features. Configuration Management.	7.x-2.0-rc1	- contrib module
field_group	Field Group. Options to group fields.	7.x-1.3	- contrib module
fivestar	Fivestar. Voting system widget	7.x-2.0-alpha2	- contrib module

flatcomments	Flatcomments. Module to force replies in comments. And also cascade when deleting comments.	7.x-2.0	- contrib module
geofield	Geofield. Field widget to store geographic data.	7.x-2.1	- contrib module
geophp	geoPHP. Module for geometry operations	7.x-1.7	- contrib module
google_analytics	Google Analytics. Website statistics tracking system	7.x-1.4	- contrib module
google_analytics_reports	Google Analytics Reports. Graphical Reporting for Google Analytics.	7.x-1.3	- contrib module
imce	IMCE. Image/file uploader module	7.x-1.8	- contrib module
job_scheduler	Job Scheduler. Advanced module for scheduling task. Extends the core cron system	7.x-2.0-alpha3	- contrib module
libraries	Libraries API. Enable common library path	7.x-2.1	- contrib module
oauth	OAuth. OAuth 1.0 module	7.x-3.1	- contrib module
pathauto	Pathauto. Generates URL aliases	7.x-1.2	- contrib module
phpexcel	PHPExcel. Module to import/export Excel file	7.x-3.7	- contrib module
rules	Rules. Module to trigger actions of a certain operation like after node save	7.x-2.6	- contrib module

services	Services. Enable to exposed custom Web Services/Api	7.x-3.5	- contrib module
token	Token. Enable to add token functionality	7.x-1.5	- contrib module
unique_field	Unique field. Module to add option to validate field as unique.	7.x-1.0-rc1	- contrib module
userone	User One. Disable multiple failed logins, option to restrict IP Address per user	7.x-1.0-beta1	- contrib module
video_embed_field	Video Embed Field. Field widget to embed video from youtube and vimeo	7.x-2.0-beta5	- contrib module
views_bulk_operations	Views Bulk Operations (VBO). Enable to perform batch operations in admin	7.x-3.2	- contrib module
views_secondary_row	Views Secondary Row. Enable Views table to split into rows.	7.x-3.6	- contrib module
views_slideshow	Views Slideshow. Enable to create slideshow. Image or Content	7.x-3.0	- contrib module
votingapi	Voting API. Enable to rate contents. -/+ automatic rating.	7.x-2.11	- contrib module
workflow	Workflow. Enable to add workflow in publishing stories/article/content.	7.x-2.0-beta9	- contrib module
dgph_ckan	DGPH CKAN. Autocomplete module for user management		- custom module

	integrated to CKAN API		
dgph_contact	DGPH Contact. Contact us form		- custom module
dgph_content	DGPH Content. Display dataset, request new dataset	Database not found	- custom module
dgph_custom_search	DGPH Custom Search. Data Requests, Apps, Blogs and Datasets search based on Apache Solr API		- custom module
dgph_customs_viz	Customs Viz. Custom visualization for infographics page		- custom module
dgph_infographics	DGPH Infographics. Infographics data management		- custom module
dgph_philgeps_api	PhilGEPS API. Module to interact or get data from PhilGeps Dashboard		- custom module
dgph_user	DGPH User. Custom module for user management		- custom module

NOTE : Additional contrib module documentation can be found in this url : <https://www.drupal.org/project/<MODULE>>

I.B Site Audit

Items	Issues	Recommendations
PHP Filter	Security issue to inject PHP functions	Turn off PHP Filter. Convert into custom module
Block Caching	Will add slow rendering in	Enable block caching

	static content	
Minify JS and CSS	Will slow rendering in JS and CSS	Add MinifyJS and MinifyCSS module
Content Types	Unused content types will add rows in database	Consider removing of unused content types

I.C Custom and Contrib Database Tables

Table name	Engine	Module
apachesolr_environment	InnoDB	- contrib module - apachesolr
apachesolr_environment_variable		- contrib module - apachesolr
apachesolr_index_bundles		- contrib module - apachesolr
apachesolr_index_entities		- contrib module - apachesolr
apachesolr_index_entities_node		- contrib module - apachesolr
apachesolr_search_page		- contrib module - apachesolr
cck_field_settings		- contrib module - cck
ched_mini_dashb1_pillar1		- custom module - ched_dashboard - procurement data
ched_mini_dashb1_pillar2		- custom module - ched_dashboard - procurement data
ched_mini_dashb1_pillar3		- custom module - ched_dashboard

		- procurement data
ched_mini_dashb1_pillar4		- custom module - ched_dashboard - procurement data
ched_mini_dashb2_pillar1		- custom module - ched_dashboard - procurement data
ched_mini_dashb2_pillar2		- custom module - ched_dashboard - procurement data
ched_mini_dashb2_pillar3		- custom module - ched_dashboard - procurement data
ched_mini_dashb3_pillar1		- custom module - ched_dashboard - procurement data
ched_mini_dashb3_pillar2		- custom module - ched_dashboard - procurement data
ched_mini_dashb4_pillar1		- custom module - ched_dashboard - procurement data
ckeditor_input_format		- contrib module - ckeditor
conditional_fields		- contrib module - conditional_fields
ctools_css_cache		- contrib module - ctools
ctools_object_cache		- contrib module - ctools
current_search		- contrib module - current_search
block_current_search		- contrib module

		- current_search
customs_ironandsteel_importers		- custom module - dof_dashboard - Commodity Report - Iron/Steel By Importer
customs_ironandsteel_ports		- custom module - dof_dashboard - Commodity Report - Iron/Steel By Port
customs_ironandsteel_types		- custom module - dof_dashboard - Commodity Report - Iron/Steel By Type
customs_plasticresins_importers		- custom module - dof_dashboard - infographics data
customs_plasticresins_ports		- custom module - dof_dashboard - Commodity Report - Plastic Resins By Port
customs_plasticresins_types		- custom module - dof_dashboard - Commodity Report - Plastic Resins By Type
customs_ironandsteel_importers		- custom module - dof_dashboard - Commodity Report - Tobacco By Importer
customs_tobacco_ports		- custom module - dof_dashboard - Commodity Report - Tobacco By Port
customs_tobacco_types		- custom module - dof_dashboard

		- Commodity Report - Tobacco By Type
cviz_broker_importer_view		- custom module - dgph_customs_viz - Customs Visualization Dashboard
cviz_commodity_view_by_port		- custom module - dgph_customs_viz - Customs Visualization Dashboard
cviz_commodity_view_overall		- custom module - dgph_customs_viz - Customs Visualization Dashboard
cviz_commodity_view_top_importers		- custom module - dgph_customs_viz - Customs Visualization Dashboard
cviz_port_view		- custom module - dgph_customs_viz - Customs Visualization Dashboard
cviz_total_boc		- custom module - dgph_customs_viz - Customs Visualization Dashboard
dof_dashb1_pillar1		- custom module - dof_dashboard - Commodity Import
dof_dashb2_pillar1		- custom module - dof_dashboard - Commodity Report - Rice Imports
dof_dashb2_pillar1_2		- custom module

		<ul style="list-style-type: none"> - dof_dashboard - Commodity Report - Top Rice Importers
dof_dashb2_pillar2		<ul style="list-style-type: none"> - custom module - dof_dashboard - Commodity Report - Motor Vehicle Imports
dof_dashb2_pillar2_2		<ul style="list-style-type: none"> - custom module - dof_dashboard - Commodity Report - Motor Vehicles (MV) - Top MV imports sorted by type
dof_dashb2_pillar2_3		<ul style="list-style-type: none"> - custom module - dof_dashboard - Commodity Report - Motor Vehicles (MV) - Top MV importers sorted by type
dof_dashb3_pillar1		<ul style="list-style-type: none"> - custom module - dof_dashboard - Trade Activities By Port
dof_dashb4_pillar1		<ul style="list-style-type: none"> - custom module - dof_dashboard - Brokers and Importers
facetapi		<ul style="list-style-type: none"> - contrib module - facetapi, apachesolr
fboauth_users		
field_data_field_*		<ul style="list-style-type: none"> - contrib - created inside the Content Types
field_group		
field_revision_field_*		<ul style="list-style-type: none"> - contrib - created inside the Content Types

flag		- contrib module - flag
flagging		- contrib module - flag
flag_actions		- contrib module - flag
flag_counts		- contrib module - flag
flag_types		- contrib module - flag
job_scheduler		- contrib module - job_scheduler
job_scheduler_trigger		- contrib module - job_scheduler
oauth_common_consumer		- contrib module - oauth
oauth_common_context		- contrib module - oauth
oauth_common_nonce		- contrib module - oauth
oauth_common_provider_consumer		- contrib module - oauth
oauth_common_provider_token		- contrib module - oauth
oauth_common_token		- contrib module - oauth
openlayers_layers		- contrib module - openlayers, geofield
openlayers_maps		- contrib module - openlayers, geofield
openlayers_projections		- contrib module - openlayers, geofield

openlayers_styles		- contrib module - openlayers, geofield
pm_categories		- custom module - dgph_infographics - product categories
pm_products		- custom module - dgph_infographics - products
pm_product_price		- custom module - dgph_infographics - product prices
services_endpoint		- contrib module - services
t_budget_data		- custom module - dgph_infographics - budget data
t_departments		- custom module - dgph_infographics - budget data
t_education		- custom module - dgph_infographics - budget data
t_procurement_indicators		- custom_module - dgph_infographics - procurement data
t_procurement_indicators_averages		- custom_module - dgph_infographics - procurement data
t_procurement_indicators_departments		- custom_module - dgph_infographics - procurement data
t_procurement_notices		- custom_module - dgph_infographics

		- procurement data
t_region		- custom_module - dgph_infographics - national summary database
t_temp1		- for deletion temporary table
t_temp1_clean		- for deletion temporary table
t_temp2		- for deletion temporary table
t_temp2_clean		- for deletion temporary table
vef_video_styles		- custom module - video_embed_field
views_display		- contrib module - views
views_view		- contrib module - views
votingapi_cache		- contrib module - votingapi
votingapi_vote		- contrib module - votingapi
workflows		- contrib module - workflow
workflow_access		- contrib module - workflow
workflow_node		- contrib module - workflow
workflow_node_history		- contrib module - workflow
workflow_scheduled_transition		- contrib module - workflow
workflow_states		- contrib module - workflow
workflow_transitions		- contrib module

		- workflow
workflow_type_map		- contrib module - workflow

II. Content Types

- content type is basically a group of nodes. Each node belongs to content type.
Inside each type consists of fields for node form.
- Admin path : admin/structure/types

Name	Machine Name	Definition
Activity	activity	Video url form
Application	application	Application form to include other agency developed apps in the catalog
Customs Port	customs_port	Port Location for Customs dashboards
Dashboard Data	dashboard_data	Contains data about a dashboard import form
Data Request	data_request	Represents a request for a dataset from the public sector that has not been released
PhilGEPS Agency	agency	Use this content type to create a new Agency to be supported from the PhilGEPS dashboard and other places within the web site.
PhilGEPS Procurement Item	philgeps_procurement_item	Use this content type to create a procurement item to be presented in PhilGEPS dashboard
Slide Show	slide_show	Image/Text Slide show
Testimonials	testimonials	Video testimonial form
Visualizations	visualizations	Image visualization for

		dashboard
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III. Views

- Views module is known as a "view", and the output of a view is known as a "display". Displays are provided in either block or page form, and a single view may have multiple displays.
- Admin path : admin/structure/views

Name	Display types	Path	Definition
Activity	Page	/activity	List of all videos
Advanced Forum active topics	Feed, Page	/forum/active, /forum/active/feed	Listing of all active topics (page and feeds display)
Advanced Forum new topics	Page	/forum/new	Listing of new topics with Dropdown selection field
Advanced Forum topic list	Custom		Listing of topics per forum
Advanced Forum unanswered	Feed, Page	/forum/unanswered, /forum/unanswered/feed	Listing of unanswered topics (page and feeds)
Application	Block, Page	/apps/list	Listing of all the apps developed by other agencies. Block : display the fivestar/rating information
Apps Slideshow	Block		Application screenshot slideshow developed by other agencies
Customs Viz Ports	OpenLayers		Generate

	Data Overlay		openlayers data for Map display
Data Requests	Block, Page	/data-requests/list	List of data requests with status column
Latest Visualizations	Page	/latest-visualizations	Listing of all Image visualization
flag_bookmarks	Page	/bookmarks	Listing of all bookmarked topics
PhilGEPS Images Slideshow	Block		Listing of PhilGeps Images 5 per display
PhilGEPS Procurement Items	Page	/infographics/philgeps	Listing of all PhilGeps Procurement
Slide Show Fade	Block		Image slideshow with description and title. With link to content
Testimonials	Page	/testimonials	Listing of all video testimonial
flag_bookmarks_tab	Page	/user/%/bookmarks	Listing of all user bookmarks

IV. Blocks

- boxes which can be made to appear in various regions of a Drupal website are called Blocks.
- Admin path : admin/structure/block

Name	Front-end Region	Admin Region	Definition
- main-menu	Main Menu		Home page

- Main Menu			Main Menu
- search - Search	Search Area	Dashboard sidebar	Search form
- main - Main content	Content	Content	- Body content
- block-5 - Direction	Left sidebar		- Direction content in paragraph
- application-block_1 - latest application apps	Right Sidebar		- Display latest submitted applications
- active - Active Forum Topics			- Display 5 active topics - displayed using custom module
- block-4 - Apps content top.			- Display html block contents - displayed using custom module
- author-pane - Author Pane			- display author information - displayed using custom module
- dgph_content_latest_datasets - DGPH Latest Datasets			- display latest data sets - display using custom module
- fboauth/login - Facebook login			- display using custom module
- block-6			- display html

- Featured Infographics			contents featured infographics - display using custom module
- google_analytics_reports/path_mini - Google Analytics page traffic			- google analytics page traffic reports - display using custom module
- google_analytics_reports/dashboard - Google Analytics site visits			- google analytics site visit reports - display using custom module
- forum/new - New forum topics			- display new forum topics - display using custom module
- block-7 - PhilGEPS Feedback Instructions			- display html content feedback instructions - display using custom module
- statistics/popular - Popular content			- display listing of popular content - display using custom module
- user/login - User login		Content	- display login form - display using custom module
- views/apps-block - Views apps			- display views block latest applications - display using custom module
- views/apps_slideshow-block			- display views

- View: Apps Slideshow			application image slideshow - display using custom module
- views/blog_headlines-block - View: Blog Headlines			- display views blog headlines - display using custom module
- views/recent_data_requests-block - View: Data Requests			- display views data request form - display using custom module
- views/philgeps_images_slideshow-block - View: PhilGEPS Images Slideshow			- display views philgeps image slideshow - display using custom module
- views/slide_show-block - View: Slide Show			- display views main slide show - display using custom module
- views/slide_show_fade-block - View: Slide Show Fade			- display views slide show fading - display using custom module

V. Menus

- The Menu module provides an interface to control and customize the powerful menu system that comes with Drupal. Menus are primarily displayed as a hierarchical list of links using Drupal's highly flexible blocks feature.
- Admin path : admin/structure/menu

Name	Machine name	Definition
Main menu	main-menu	Front end main menu structure
Management	management	Administration menu structure
Navigation	navigation	Site visitors navigation menu

		structure
User Menu	user-menu	User login/logout menu

VI. Themes

- Presentation layer of Drupal.
- Admin path: admin/appearance

Theme name	Front end	Admin
DGPH	- Default front end theme - custom design	
Seven		- Default administration theme - drupal core theme

VII. Website Architecture

* HOME

- Main page slideshow and search box as well as other elements are hard coded
sites/all/themes/dgph/templates/node--1.tpl.php

Footer – sites/all/themes/dgph/templates/include/footer.php

* ABOUT

* NEWS

- sites/all/themes/dgph/templates/node--33.tpl.php

* INFOGRAPHICS

- sites/all/themes/dgph/templates/node—24.tpl.php
- sites/all/modules/dgph_infographics/include/apcpi_report.inc
- sites/all/modules/dgph_infographics/include/commodity_report.inc

* APPS

- sites/all/themes/dgph/templates/node—22.tpl.php

* COMMUNITY

- sites/all/themes/dgph/templates/node—6.tpl.php

* CONTACT US

- sites/all/modules/dgph_contact/dgph_contact.module

VIII. Recommendations

The site is a good base, and can help developers looking to launch open government platforms, however there are some issues and recommendations that I would advise users to note:

- Since the site was released, numerous Drupal updates are available, therefore I recommend users to check and apply drupal core/security updates
- Likewise, users should always check and apply contributed modules for security update.
- Further, users should always apply major updates for contributed modules.
- Many of the content elements are coded into the pages, I recommend that new developers create custom common module for adding hooks like modifying of data or format before rendering to page.
- Best practice would be to use hook_updates when deploying changes/codes to production when enabling modules or modifying configurations.
- I recommend that new developers use features for configuration management, to monitor changes in configuration such as views, blocks, site variables and many more.
- Further, many of the coded content types could be handled more effectively by using custom block modules if needed to display user defined blocks. Do not load the blocks in the template files.
- Do not modify the core and contributed modules, will not update if any direct modification is done. Use patch if needed.
- Use watchdog() to log activity like errors, login, or any important for auditing.
- Separate or organize the contributed module, core module, custom module and features_module folder and package category.

- All template related changes, use hooks in custom module. do not change template directly as much as possible.
- Follow the Drupal best practices. avoid hardcoded loading of node, views, block
- Avoid inline css/javascript. create a hooks to add js and css
- Use devel module for development like displaying variable data for investigating. disable this module in production.
- Generate pages using the Drupal php templating engine, do not generate hardcoded html file.