

Drupal Technology

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ABSTRACT

Drupal is an open source content management framework. Drupal is written in PHP and distributed under the GNU general public license. Drupal is the content management framework which is used to create a dynamic website. The name Drupal represents an English version of the dutch word Druppel, which means "Drop". As of January 2018, the Drupal community is contain of more than 1.3 million members. The software is ready –to-use upon download and also includes a web-based installer add on modules. Drupal is a Content Management Framework (CMF). A content management framework (CMF) is a system that facilities the use of reusable components or customized managing software. There are the different versions of drupal like drupal 8.1, drupal 8.4 etc. Most of the company use drupal because it saves the time and completes the work quickly. In Drupal we can add different contents, videos, images, feedback page etc. These include user account registration and maintenance. Drupal is based on the Presentation fact Control architecture. Drupal maintains a security announcement mailing list, a history of all security advisories and a security team home page. There are multiples of active Drupal forums. Drupal also maintains different IRC channels on the freenode network. Drupal have multiple themes. Drupal have many versions for databases. Drupal is a great choice for building an online database and also a perfect solution for digital libraries. Being a content management system in the first place drupal is a perfect platform for websites large to small. content management is perhaps the strongest part of the drupal. hypertext application language is implement in drupal and makes exploitation of web service capability less painful. the java script (JS) automated testing is now possible in drupal.

Keyword : - *Drupal etc...*

1. INTRODUCTION

Drupal first facilitates a back end frame work for maximum 2.5% of all websites world wide. Many systems use drupal are for amalgamation of business.[6] The standard publishment of Drupal core. Drupal is originally written by Dries Buytaert as a message board .the software is ready to use upon download and also includes a web-based installed and add on modules .Drupal became one of the most comprehensive CMS system available . By 2013 the Drupal website listed hundreds of vendors that offered Drupal related services . As of 2014 Drupal is develop by a community and its popularity is growing rapidly . from july 2007 to june 2008 the Drupal.org site provided more than 1.4 million downloads of Drupal software . an increase of approxiamately 25% from the previous year.

2. ADVANTAGES OF DRUPAL

- Basic features of Drupal : Drupal core is their standard release of features which includes : user account registration and maintenance ,menu management and page layout customization.
- Drupal offers Great building tools and templates to create websites Drupal provides you the basic building blocks of websites in module styled format where content and rules can be created quickly.[6]
- Drupal is Flexible technology and offers Strong content creation Drupal is better is in its content creation . Drupal allows its users the flexibility to create and manage different content types and create websites.
- Drupal provides Advanced administrator controls Drupal's new release of version 7 allows for easier administration and greater controls.
- By using Drupal we can create own Dynamic designs and dynamic websites Drupal provides numbers of theme and template that are easily identifiable or noticable to the public . By these theme and template many users create their own dynamic design and websites .[2]

- Tools of Drupal: by using Drupal tools, we can make websites easily and tools make it easy to connect with peoples the most important part of the site is connecting it to users , others sites ,social networks, and search engines and drupal makes this simple.
- Do theming it is a very simple in Drupal it is not a hard thing.

3. FEATURES OF DRUPAL

- Drupal provide New theme engine and it includes a brand new theming engine. theme engine of Drupal is based on PHP .it is a flexible, fast and secure. it is important to create beautiful and more functional drupal websites easily.
- Drupal is Easy for creation of websites and it is easy for authoring site and content creators or by using drupal editors can easily edit text .by using drupal we can easily create drafts and web security is easily implemented in Drupal.[3]
- Quick edits: quick edit is a backport of the drupal in place editing for fields.
- Multilingual ready.
- Mobile first from the get –go: all the built-in themes that come with drupal are responsive. new admin toolbar works well on mobile devices.
- More HTML 5 power to you: HTML5 is more or less the DE facto standard.
- when it come to writing web markup. the same is now available in drupal .
- Manage your configuration: drupal has configuration management built into it at the file system level so that carrying over configuration elements from local development to the servers is breeze.
- Views now part of the core: the views sit high up in the drupal module ierarchy , as it is an integral part of the most website project. And a lot is preety much impossible without it.[1]
- Better support for accessibility: drupal has excellent support for industry standard accessibility technologies.
- Web services built-in: drupal makes it possible o use itself as data source.

4. BEST DRUPAL THEME

- Porto: last approachable drupal 7 and drupal 8 theme.
- Remito: Responsive magazine news drupal 8 theme.
- Progressive: Multipurpose responsive drupal 7 and drupal 8 theme.
- Apare: Responsive multipurpose theme.
- The MAG: highly customizable drupal 7 and drupal 8 blog and magazine theme.[5]
- Jango: Highly flexible component based drupal 7 and drupal 8 theme.
- Bezel: Creative multipurpose drupal 8.4 theme.
- Kiamo: Responsive business service drupal 8 theme.[7]
- Canna: Creative elegant drupal 8 theme.
- Vinor magazine: Responsive Magazine news drupal 8 theme.

5. CHANGES IN VERSIONS OF DRUPAL

- Drupal 7 vs Drupal 8 : Drupal 8 features many differences over drupal 7. Drupal 8 features better CSS and Java script integration. but it also changes the manner in which they must be added. it also launches many features . Drupal 8 is an improvement over Drupal 7.[4] Drupal 7 having lots of documentation and has a lots of modules .drupal 8 has less modules ,less documentation. less object oriented programming concept in Drupal 7 and Drupal 8 comes with object oriented programming concept to the most part of the system .[6]
- Drupal 7 vs Drupal 6 : Drupal 7 has the strong security related items compared over Drupal 6 . Drupal login system and password saving on the database is more secured.

6. MODULES OF DRUPAL

- Aggregator module.

- Black module.
- Blog module.
- Book module.
- Color module.
- Comment module.
- As of January 2015 there are almost 30,000 modules available.[3]

7. WHY DRUPAL BEST THAN OTHER TECHNOLOGY

- Drupal is better compare to wordpress : Drupal , you can have site admins , private access to private accessorie. drupal consist advanced functionality than wordpress. Functionality of drupal goes much deeper than word press. With Drupal is more energetic for handling complex and divers projects. wordpress was intrinsically designes as blogging platform, so it does not have the similar androitness as drupal does to handle really large volumes of accessorie.[8]
- Drupal is better than joomla : drupal contain more number of themes available than joomla and SEO options than joomla.[9]
- Drupal is better than Magneto: drupal was design for content management where as magneto was designed for e-commerce.
- Drupal is better than sharepoint: Drupal is free source no cost and sharepoint are available in \$55,000 - \$85,000. in Drupal available sundry and rich theme.in sharepoint available use themes. Drupal having high platform strength and Sharepoint having limited webplatform strength.[10]

8. ANALYSIS

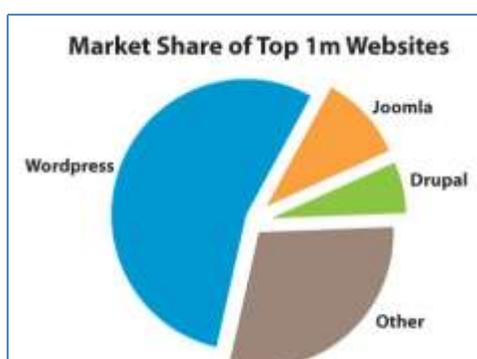


Figure. usage of Drupal in industry

9. CONCLUSIONS

Now a days, in an industry use Drupal for make a website .because of Drupal we can save our time. And drupal provides number of themes ,features . Drupal technology is a very easy to use.

10. REFERENCES

- [1]. <https://www.axelerant.com/resources/articles/drupal-8-features-need-know>.
- [2]. <http://blog.icreon.us/launch/advantages-of-drupal>.
- [3]. <https://www.drupal.org/docs/8/core/modules>.
- [4]. <http://www.drupal.org/drupal-8.0>.

- [5]. <https://www.tutorialspoint.com/drupal/index.htm>
- [6]. <https://en.wikipedia.org/wiki/Drupal>.
- [7]. <https://www.creativebloq.com/web-design/drupal-themes-6133264>.
- [8]. <https://www.elegantthemes.com/blog/resources/wordpress-vs-drupal>.
- [9]. <https://www.butterfly.com.au/blog/cms/joomla-vs-drupal-a-technical-comparison-of-the-best-open-source-cms>.
- [10]. <https://www.drupal.org/forum/general/general-discussion/2005-05-12/drupal-vs-sharepoint>.

