Aegir

An open source tool that combines a powerful Drush-based backend tool, *Provision*, with a convenient Drupal powered front-end interface, *Hostmaster*. Aegir allows you to deploy and manage many Drupal sites, and can scale across multiple server clusters. This makes it easy to install, upgrade, and backup an entire network of Drupal sites. The UO's Aegir service is found at drupal-hosting.uoregon.edu.

see also:

- https://groups.drupal.org/aegir-hosting-system
- http://community.aegirproject.org/notebook

Authoritative Domain Name

Each UO Drupal hosted site is provisioned a domain name of the site owner's choosing, for example: apples.uoregon.edu. The authoritative domain works in conjunction with the "domain aliases" field on the same Drupal site creation/edit form within Aegir. Domain aliases point redirect themselves to the authoritative domain.

Backup

An Aegir-generated backup is a tar.gz archive of the contents of the site directory (eg site/example1.uoregon.edu) and a .mysql dump of the site database. The archive does not contain the Drupal core or contents of the sites/all directory (the platform). Therefore, a site restored from a backup will utilize whichever platform it was on at the time the Restore was performed.

Client

Client groups can be configured within Aegir and can contain user accounts. An Aegir user can belong to one or many client groups. Client groups control who can make changes to which sites within Aegir. For example, account holders in the College of Arts and Sciences client group can make manages Aegir sites belonging to that group.

Cluster

Here is the list of clusters:
Drupal Cluster

- drupal-cluster1: IS?
- drupal-cluster2: Production cluster for everyone.
- drupal-cluster3: Enrollment management.
- drupal-cluster4: Staging cluster for everyone.
- drupal-cluster5: Digital communications.

Domain Alias

Domain aliases are uoregon subdomain names (like apples.uoregon.edu) that can be pointed to another preferred uoregon subdomain name (aka the authoritative domain). Site aliases are alternative names for a site that redirect to the authoritative domain name and can be configured to reference a particular directory within a site if need be. Each domain alias (of which there can be multiple) will redirect itself to the authoritative domain name. In this case, If one of your domain aliases is bananas.uoregon.edu and your authoritative domain is apples.uoregon.edu then http://bananas.uoregon.edu/about will become http://apples.uoregon.edu/about when one enters it in his browser's address field.

Drupal Hosting Steering Committee (DHSC)

See Drupal Hosting Steering Committee.

Git

Git is a distributed revision control system. It tracks revisions made to files. Users can git enable their sites if they wish to store site-specific files in a git repository. Then, using the Aegir git pull task, they can pull files and changes into their site. Git facilitates a more nimble way of making changes to Aegir hosted Drupal sites. However, this also requires some technical understanding of how GIT revision control works. Note the contents of a git repository are pulled into the site-specific directory for the site in question.

Migrate

Multisite

Drupal multisite allows any number of sites to share a single codebase. (Note: for the purposes of the Drupal Hosting service this codebase is defined as a platform.) The platform/site setup is achieved by allowing for sites to share the Drupal core, as well as the contents of the sites/all directory. Sites are then deployed via site-specific directories located inside of the sites directory. These sub-directories contain Drupal configuration files specific to the site in question, as well as any modules/themes/libraries specific to the site, as well as the site's public and/or private files directories. Each site also has its own singular database.

Platform

An instance of Drupal core combined with specified modules/themes/libraries as enumerated by a Drush makefile. Platforms are installed to a web server via the Hostmaster, and once installed may serve as the codebase for any number of sites via Drupal's multisite architecture. In addition to being "enabled" platforms can be locked (limiting a user's ability to publish sites to that platform) or deleted entirely (see tasks). Platform management permissions are controlled by client memberships, with the exception of the UO Vanilla offering which is managed by the DHSC. Platforms are currently not included in Aegir site backups.

Selenium


see also:

- http://stackoverflow.com/tags/selenium/info

Shibboleth

Shibboleth is a central sign-on authentication service. If a UO site uses Shibboleth then its users can login using their Duck ID and password credentials (for setting up on your centrally hosted site, refer to Using Shibboleth On Your Site). Sites created in our Aegir UO Drupal hosting platform can be easily configured to use Shibboleth.

See also:
Site

An instance of a single hosted Drupal site as defined by Drupal multisite architecture. Sites are represented in the Aegir hostmaster as individual nodes titled by a site name. These nodes store critical configuration particulars such as domain aliases and, where appropriate, the site's authoritative domain. Sites are requested via the Site Request form, and as approved, installed by the user (through the Hostmaster) to a specific platform. Management of sites is accomplished by leveraging Aegir's task system. Permissions for site management are defined by client groups.

Site Name

Sites installed in the Drupal Hosting environment are given a single "non-authoritative" site name for management in the Hostmaster based on the initially requested authoritative domain name, such as apples1.uoregon.edu. Then, as appropriate, users can assign the authoritative domain name to their site as an alias. This system allows for a user to have two copies of a site running simultaneously - each with its own unique non-authoritative site name - and provides a mechanism for the user to select one of those sites as the "canonical" production site reachable by the authoritative domain name.

Site Request

Sites are installed based on information collected by the Site Request and Information form. New sites should be requested based on the desired authoritative domain name. Each site request results in the provisioning of 3 CNAMEs to support the Drupal Hosting workflow, such as apples1, apples2, and the authoritative CNAME name of "apples". (In the case of existing CNAMEs the DNS record for the existing CNAME is updated, and the 1/2 CNAME variants are provisioned.) Note also that the Site Request and Information form is responsible for providing the list of available site names a site can be installed on or cloned to.

Symfony

Symfony is a PHP full-stack web framework developed and maintained by Sensio Labs. Composer is a dependency management library for PHP, which you can use to download the Symfony2 Standard Edition. (cite source: http://symfony.com/)

see also:
- http://symfony.com/projects/drupal
- https://getcomposer.org/

Tasks

Tasks are the way users manage sites in Aegir. Provision supplies the following tasks to the Hostmaster front-end:

- Backup (run against a site - generates a tar.gz archive of the current site *** excludes platform ***)
- Clone (run against a site - deploy a new copy of the site to a platform)
- Delete (run against a site or platform - remove the selected item from the filesystem/db. A platform cannot be deleted as long as sites exist on that platform, and sites cannot be deleted until they have first been Disabled.)
- Delete backups (run against a site - remove selected backups for the site)
- Disable (run against a site - prevent use of the site in question)
- Import (Automated against a new site - install site based on newly deployed site directory/database)
- Lock (run against a platform - prevent the use of the platform in question)
- Migrate (run against a site - moves the site from one platform to another)
- Restore (run against a site - replaces the site-specific directory and database with the contents of the selected backup)
- Verify (run against a site or platform)

The following additional tasks for site management are supplied by contributed modules and/or custom UO mods:

- Flush all caches (run against a site - clear all cache tables in the site's database)
- Git pull (run against a site - execute a git pull from the site's git repository)
- Reset password (run against a site - generate one-time user login url)

UO Vanilla

UO Vanilla is a platform fully maintained by the DHSC and available for all to use. See UO Vanilla.

Vagrant

Vagrant is a tool for building and distributing virtual systems on top of several kinds of virtual machines such as Oracle's virtualbox or vmware. It is

Whitelist

The UO Drupal Hosting Aegir environment relies on a "whitelist" of approved sources for platform builds. Repositories and files included in a platfo rm makefile (examples include custom modules, patches, javascript libraries and themes) must be included in this whitelist for a build to be successful. To request the addition of a source, email drupal-hosting@ithelp.uoregon.edu.

Full whitelist as of 12/10/15...

- api.github.com/repos/woothemes/FlexSlider/zipball/version/2.4.0
- bitbucket.org/cleonello/jqplot/downloads/jquery.jqplot.1.0.2r1108.tar.gz
- bitbucket.org/mailchimp/mailchimp-api-php.git
- bxslider.com/lib/jquery.bxslider.zip
- dompdf.googlecode.com/files
- download.cksource.com/CKEditor
- drupal.org/files/entityreference-1459540-47-workaround-fatal-error.patch
- drupal.org/files/issues/bean-block-cache-clear-save-2201503-1.patch
- drupal.org/files/issues/lightbox2-fix-jquery-browser-removed_0.patch
- drupal.org/files/token-support-default-field-settings-1070878-20.patch
- fontawesome.github.io/Font-Awesome/assets/font-awesome-4.2.0.zip
- fontawesome.github.io/Font-Awesome/assets/font-awesome-4.3.0.zip
- ftp.drupal.org/files/projects/zen-7.x-5.5.zip
- git.drupal.org
- git.uoregon.edu
- git.uoregon.edu/acs/shib_roles.git
- git.uoregon.edu/AH
- git.uoregon.edu/asdm/views_roles.git
- git.uoregon.edu/CWSD/casit-Idap.git
- git.uoregon.edu/fadralual/extjs.git
- git.uoregon.edu/fadupal/jsmr-body-class.git
- git.uoregon.edu/fadupal/jsmr-theme.git
- git.uoregon.edu/fadupal/sustainability.git
- git.uoregon.edu/lcb
- git.uoregon.edu/lcb/boots.git
- git.uoregon.edu/lcb/business_media_module.git
- git.uoregon.edu/lcb/business_tiles_module.git
- git.uoregon.edu/lcb/obi.git
- git.uoregon.edu/lcb/obi_helper.git
- git.uoregon.edu/lcb/obi_mobile.git
- git.uoregon.edu/lcb/ombuprofile.git
- git.uoregon.edu/lcb/webform_php.git
- git.uoregon.edu/od/ao-bandera-theme.git
- git.uoregon.edu/od/ao-helper-module.git
- git.uoregon.edu/od/ao-theme.git
- git.uoregon.edu/od/fa-financial-flight-plan-theme-admin.git
- git.uoregon.edu/od/fa-financial-flight-plan-theme.git
- git.uoregon.edu/od/oem-executive-theme.git
- git.uoregon.edu/plugins/servlet/archive/projects/UO_DRPL_PROD/repos/uobartik
- git.uoregon.edu/projects/AH
- git.uoregon.edu/projects/BAOIT
- git.uoregon.edu/projects/RO/repos/ro-theme-v2
- git.uoregon.edu/projects/RO/repos/ro-theme-v3
- git.uoregon.edu/scm/acs/service_status.git
- git.uoregon.edu/scm/acs/uu_load_balance.git
- git.uoregon.edu/scm/ah/uovanilla_bootstrap.git
- git.uoregon.edu/scm/ah/uovanilla_bootstrap.git
- git.uoregon.edu/scm/baoit
- git.uoregon.edu/scm/cltl/cltl.git
- git.uoregon.edu/scm/cltl/cltl_theme.git
- git.uoregon.edu/scm/fadupal/basic.git
- git.uoregon.edu/scm/fadupal/montreal.git
- git.uoregon.edu/scm/fadupal/program.git
- git.uoregon.edu/scm/fadupal/quebec.git
- git.uoregon.edu/scm/ro/oem-ro-theme-admin.git
- git.uoregon.edu/scm/ro/oem-ro-theme-editor.git
- git.uoregon.edu/scm/ro/oem-ro-theme.git
- git.uoregon.edu/scm/ro/oem-ro-theme-v2.git
- git.uoregon.edu/scm/ro/uoro-admin-theme.git
- git.uoregon.edu/scm/ro/uoro_theme.git
- git.uoregon.edu/scm/ro/uotce.git
- git.uoregon.edu/scm/sdm/sa-footer.git
YAML

YAML is a human-friendly data-serialization standard used in all mainstream programming languages. Drupal 8 uses YAML to store configuration data for easy transport, modification and loading into PHP. Default configuration shipped with modules, distributions and themes is stored with the projects themselves in a `config` subdirectory.