Ægir Overview

John Studdard
Big Couch Media
Group
@johnstuddard
@bigcouchmedia

Topics

- What is Ægir?
  - Requirements
  - Terminology
- Functionality
  - Key Features
  - Caveats
- Demo
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- Questions?

Ægir is a sea giant, god of the ocean and king of the sea creatures in Norse mythology...

What is Ægir?

What is Ægir?

- Nobody knows how to say it (Ay-jeer, Ay-gir, Ee-gir, Eejeer)
- Supported/Maintained by Development Seed
- Collection of Drupal Modules, Drush and Drupal Distro
  - Provision, Hosting and Hostmaster
  - Frontend = Drupal Site
  - Backend = Drush, Drush Make
- Allows you to deploy, manage and maintain Drupal sites
- Treats Drupal sites as nodes
- Currently in Beta2 (had 15 alphas)
- Supports major distros (Core 6/7, OpenAtrium, OpenPublish, Manageing News, etc...)

Requirements

- LAMP Stack
  - Will not run on Windows with no plans to support
  - Lot of support for running on Ubuntu/Debian
  - Also supports NGINX via custom Barracuda/Octopus Installers
  - Found runs best on minimum of a 1GB VPS
- Root access
- Drush
- Good backup methodology

Terminology

- All objects in Ægir equate to node types in the Front-end
- Servers
  - Linux servers on which Aegir is installed or manages
  - Remote servers supported via SSH/Drush/Rsync
  - Can be designated as WEB or DB or BOTH
  - Supports SSL
  - Only one master Ægir server (hub and spoke)
- Platforms
  - Collections of a Drupal core, install profiles and modules
  - Supports Drush Make
- Sites
  - Instances of Drupal sites within a Platform
  - Requires multisite mindset, forget sites/default

Create, Clone, Migrate, Backup and Restore from one console...

Functionality

Key Features

- Create fresh Drupal installs in a few clicks
  - Downloads Core and Modules (via Drush Make)
  - Configures Apache
  - Creates MySql databases
  - Creates settings.php and Drush aliases
- Import existing sites in the Ægir environment
- Migrate sites from one platform to another
  - Used to upgrade core or modules
- Upgrade all sites in a platform in one click
  - Before migration, system will show compatibility between platforms (what is going to work and what might break)
- One click backup and restores
- One click site cloning

Some caveats...

- Need root access
- Requires at least intermediate Linux command-line/OS skills
- Good working knowledge of Drush recommended
- Can be difficult to setup for newbies
  - Although new install scripts are pretty good in Beta2
- Remote server setup can be tricky with SSH private/public key configurations
- Backups can chew up disk space all backups (including remote servers) stored on master Ægir server
- When cloning to new site dir, you must use Sitedir_Migrate module to fix references in content.
- Sites/all does not copy with site clone & migrate
- Clone & Migrate blowup if you have SQL views (i.e uc_views)
- Source control hairy with Ægir permissions

Ok, so here is some real world shizzle...

Demo

Demonstration

- Review Servers
- Create a platform by hand
- Create a platform with Drush Make
- Create a site
- Backup a site
- Clone a site
- Migrate a site

It's about the community...

Resources

Links

- Community Site
  - http://community.aegirproject.org/
- Installation Doc
  - http://community.aegirproject.org/installing
- User Handbook
  - http://community.aegirproject.org/handbook
- Issues Queue
  - http://drupal.org/project/issues/search?text=&projects=provision,+hosting,+hostslave,+eldir,+Hostmaster+(Aegir)
- Aegir Group on D.O. (no longer used)
  - http://groups.drupal.org/aegir-hosting-system
  - Still find lots of good forum discussions and solutions/recommendations

Questions?