



Pure Drupal Provisioning and  
Instance management

# History - Hostmaster

- Complex components: python, PostgreSQL stored procedures, mysql, shell scripts
- Limited in its actions; difficult to extend
- Can only manage sites on the same host
- Poor support for iterative development / continuous integration
- No support for updates
- No support for status monitoring / op stats
- Doesn't scale well

## Aegir design

- Designed and implemented by Adrian Rossouw
- Enacts provisioning and management functions via drush (Arto's Drupal shell)
- Consists of two Drupal modules, and an installation profile
- Web front end for install and configuration
- Command line interface to provisioning functions.
- In active development at [CVS.Drupal.org](http://CVS.Drupal.org)
- Works today

# Goals

- User-friendly
- Useful
- Secure
- Distributed
- Transparent
- Flexible

# User-friendly

- Fewer “moving parts”
- Ease of installation
- Contextual documentation
- Auto-detection
- Import existing sites

## Useful

- Create new sites
- Manage existing sites
- Provision services
- Re-deployable backups
- Scheduled upgrades
- Manage queues
- Gather statistics
- Package management
- Site cloning
- Install profiles
- and more ...

# Secure

- Least permissions necessary
- Strict file permissions
- No Ægir code in sites
- Enforce secure settings

# Distributed

- Front end and back end separation
- Uses Drush and unix processes
- Keeps track of server information
- Communicates over ssh to servers



# Installing Ægir

Demonstration

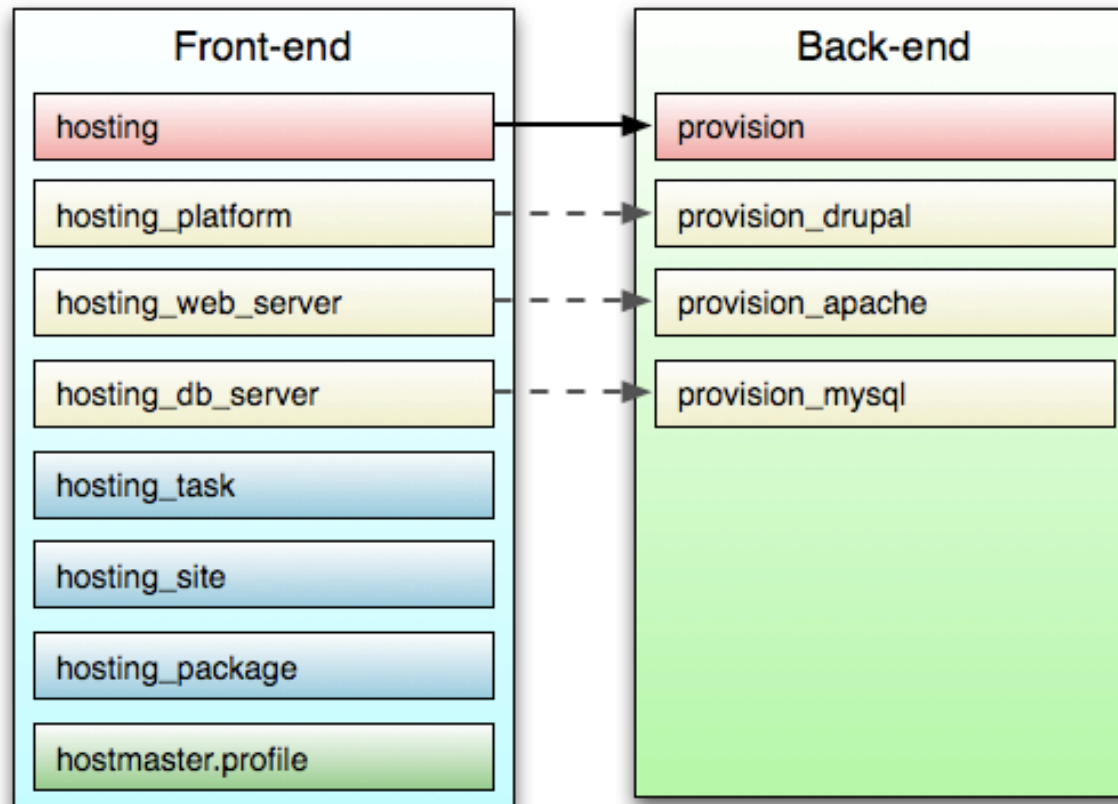
<http://groups.drupal.org/aegir/install-slideshow>

# Using Ægir

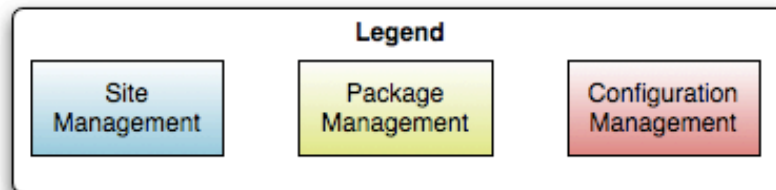
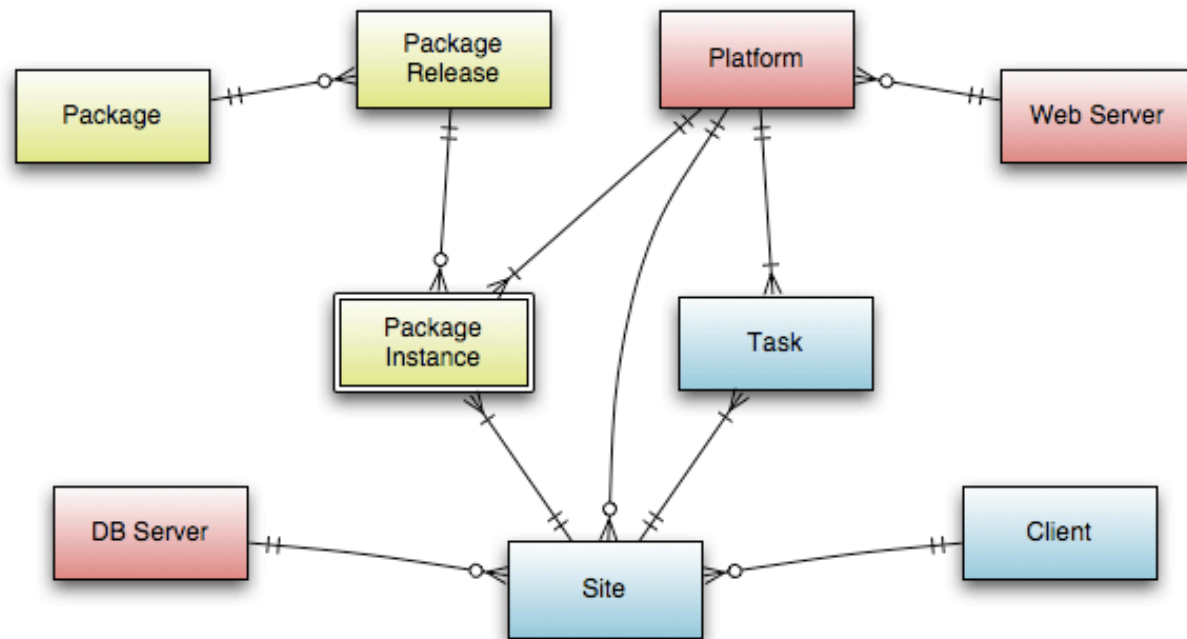
## Demonstration

<http://groups.drupal.org/aegir/user-slideshow>

## Ægir components



### Hostmaster Entity Relationships



# Ægir 0.1

- Production ready
- Support single instance of Drupal
- Install, disable, enable, back up, roll back and delete sites
- Nearing beta status, but we need more people to test.

## Aegir 0.2

- Production ready
- Multiple instances of Drupal
- Package comparisons
- Minor version upgrades (5.10 to 5.11)
- Back-end port to Drupal 6
  - Allows major version upgrades

## Aegir 0.3

- Production ready
- Support multiple platforms on multiple servers
- Secure ssh key generation and ssh pipe communication
- Move sites between web and database servers
- Track server/site statistics
- More intelligent queueing

# Ægir 0.4

- Production ready
- Front-end ported to Drupal 6
- Usability improvements
- Trigger/Rules support



# Integration

- All the capabilities of Drupal for integration.
- E-commerce / Ubercart for billing
- All types extendable via CCK
- Views support for custom reporting
- New services can be integrated easily
- Completely white boxed, integrates cleanly with existing themes

# More information

Join us on <http://groups.drupal.org/aegir>