Update on Drupal Infrastructure

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Current status

- We host 280 sites
- All sites running the latest Drupal version 7.14
- Memcache enabled for all sites
- New sites are created with memcache, cern_toolbar, dev_status, syslog enabled by default
- Logs available at: /_site/ -> Log Viewer

- Drupal infrastructure traffic:

01/2012 - 4,563,402hits, 119.17 GB, 37,669 unique visitors
02/2012 - 5,215,828hits, 92.63 GB, 38,849 unique visitors
03/2012 - 6,338,385hits, 96.23 GB, 46,538 unique visitors
04/2012 - 5,739,132hits, 105.78 GB, 47,900 unique visitors
05/2012 - 7,099,246hits, 159.19 GB, 49,102 unique visitors

Drupal scheduled updates

- The upgrade procedures are well in place now. However, some of the complex sites may experience problems due to new bugs and/or various incompatibilities with the new Drupal core and modules set.
- Therefore for production sites, we strongly recommend enabling “Staged updates” at: /_site/ -> Staged updates
- If you enable this, during next upgrade - your site “abc” will be cloned to a new site “abc-preprod”.
- This will allow you to test the new changes in a sandbox environment prior to the upgrade of the production site.
- A week later all changes will be applied to the production site (unless there are unresolved issues).

Centrally managed modules

UPSTREAM:

admin_menu (7.x-3.0-rc2)
advanced_forum (7.x-2.0)
advanced_help (7.x-1.0)
backup_migrate (7.x-2.3)
backup_migrate_files (7.x-1.x-dev)
block_titlelink (7.x-1.3)
captcha (7.x-1.0-beta2)
cck (7.x-2.x-dev)
ckeditor (7.x-1.9)
content_access (7.x-1.2-beta1)
context (7.x-3.0-beta2)
ctools (7.x-1.0)
custom_breadcrumbs (7.x-2.x-dev)
date (7.x-2.5)
devel (7.x-1.2)
dragndrop_uploads (7.x-1.x-dev)
entity (7.x-1.0-rc2)
extlink (7.x-1.12)
faq (7.x-1.0-rc2)
features (7.x-1.0-rc2)
feeds (7.x-2.0-alpha4+45-dev)
feeds_xpathparser (7.x-1.0-beta3+7-dev)
fivestar (7.x-2.0-alpha1)
globalredirect (7.x-1.4)
google_analytics (7.x-1.2)
i18n (7.x-1.5)
imce (7.x-1.5)
imce_wysiwyg (7.x-1.0)
job_scheduler (7.x-2.0-alpha2+3-dev)
media (7.x-1.0)
memcache (7.x-1.0-cern)
menu_block (7.x-2.3)
menu_breadcrumb (7.x-1.3)
migrate (7.x-2.3)
page_title (7.x-2.5)
panels (7.x-3.2)
pathauto (7.x-1.0)
permissions_lock (7.x-1.0)
piwik (7.x-2.3)
print (7.x-1.0)
redirect (7.x-1.0-beta4)
rules (7.x-2.1)
skinr (7.x-2.0-beta1)
strongarm (7.x-2.0-rc1)
styles (7.x-2.x-dev)
token (7.x-1.0)
transliteration (7.x-3.0)
userprotect (7.x-1.0)
variable (7.x-1.2)
views (7.x-3.3)
views_bulk_operations (7.x-3.0-rc1)
votingapi (7.x-2.6)
workbench (7.x-1.1)
workbench_access (7.x-1.0)
workbench_files (7.x-1.0)
workbench_media (7.x-1.0)
workbench_moderation (7.x-1.1)
wysiwyg (7.x-2.1)

CERN / CERN MODIFIED:

boost (7.x-1.0-beta1-cern)
cern_dev_status (7.x-2.0-cern-beta3)
cern_integration (7.X-1.0-dev)
cernldap (7.x-1.5-beta1)
cern_profiles
cernsearchbox (7.x-1.6)
cern_toolbar (7.x-2.x-dev-jarek)
indico-drupal-feeds
shib_auth (7.x-4.0-cern)

Top locally installed modules

63 webform – candidate for centrally managed (installed on 23% of sites)
55 link – candidate for centrally managed (installed on 20% of sites)
46 module_filter – candidate for centrally managed (installed on 16% of sites)
44 views - **DUPLICATE**
40 libraries
27 date - **DUPLICATE**
26 token - **DUPLICATE**
24 views_slideshow
22 references
21 ds
20 ckeditor - **DUPLICATE**
19 search404
19 recaptcha
19 insert
19 field_permissions
19 entity - **DUPLICATE**
18 menu_block - **DUPLICATE**
18 environment_indicator
16 rules - **DUPLICATE**
16 panels - **DUPLICATE**
16 email
16 diff
16 backup_migrate - **DUPLICATE**
15 menu_breadcrumb - **DUPLICATE**
15 entityreference

Locally managed modules -1

- In total there are over 1900 locally installed modules on all sites – that is on average 7 local modules per site.
- There are many modules which are duplicated with the centrally managed versions. Many of them are not up to date. This may cause some problems, especially during upgrades of the Drupal core.
- We will begin scanning your locally installed modules and remind admins by email to remove duplicated modules.
- During the future update cycles, we will automatically remove identical duplicated modules (if hash code matches with our).
- Users are responsible for keeping all local modules up to date.

Locally managed modules -2

- We provide a page, to help you with managing locally installed modules:

https://SITE.web.cern.ch/_site/ --> Locally installed modules report

- A “good site”, should not have any duplicated modules
- Example report:

The following modules are centrally managed and do not need to be installed locally on your site:

MODULE	YOUR_VERSION	YOUR_DATE	OUR_VERSION	OUR_DATE	RESULT	ACTION
menu_breadcrumb	7.x-1.3	2011-07-30	7.x-1.3	2011-07-30	identical	remove
page_title	7.x-2.5	2011-06-30	7.x-2.5	2011-06-30	identical	remove
redirect	7.x-1.0-beta4	2011-12-08	7.x-1.0-beta4	2011-12-08	identical	remove
backup_migrate	7.x-2.1	2011-01-27	7.x-2.3	2012-05-04	older	remove
context	7.x-3.0-beta1	2011-02-28	7.x-3.0-beta2	2011-09-09	older	remove
entity	7.x-1.0-beta8	2011-03-21	7.x-1.0-rc2	2012-04-22	older	remove
features	7.x-1.0-beta1	2011-02-19	7.x-1.0-rc2	2012-04-13	older	remove
feeds	7.x-2.0-alpha3	2011-01-14	7.x-2.0-alpha4+45-dev	2012-04-26	older	remove
job_scheduler	7.x-2.0-alpha2	2011-01-10	7.x-2.0-alpha2+3-dev	2012-01-31	older	remove
menu_block	7.x-2.1	2011-02-06	7.x-2.3	2012-02-03	older	remove
rules	7.x-2.0-beta1	2011-03-23	7.x-2.1	2012-03-16	older	remove

identical = The module is identical (hash code matches) with our centrally managed version, it can be safely removed
older = The module is older than the centrally managed one, it is recommended to remove it and upgrade
to the centrally managed version, as the new version may contain important security and bug fixes.
different = The module is different than the centrally managed one, please check versions manually

- Please check for your sites and take appropriate actions!

MySQL Database Service

- We are working with the IT/DB colleagues on improving the stability of the database service.
- We will split the database into two instances: production and development.
- To perform this change, we will need to put all sites into read-only mode for 1 hour – no service interruption, but the content will be available only for anonymous users and no editing will be possible.
- Date/time of the intervention to be announced soon.

Questions?