# MOODLE2.4 UPGRADE PLAN

The upgrade to Moodle 2.4 is dependent on deployment of the archive as the archive will also act as a backup of production Moodle and can be used if we need to roll back. The best date to create the archive is on the last day of term (before courses are reset but before course admins take annual leave) Copying data from production Moodle to archive will take about 12 hours so assuming that copying the data for Moodle archive starts on Friday 7thth, 5pm, the upgrade will start on the following morning.

Archive preparation guidelines can be found at <https://wiki.ucl.ac.uk/display/ISMoodle/Moodle+archive+preparation+guidelines>

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| **√** | **Date** | **Task** | **Who** | **comments** | | **Duration** |
|  | 22/04 | Advertise Moodle outage in isd-news, Moodle homepage, Week@UCL |  |  | |  |
|  | 31/05 | Copy the software | LTA | From production to Moodle-archive/12-13. This can be done a couple of weeks in advance | | 30 mins |
|  | 31/05 | Change db and server settings |  | Modify config.php  $CFG->dbhost  $CFG->dbname  $CFG->wwwroot  $CFG->dirroot  $CFG->dataroot | | 10 mins |
|  | 31/05 | Ensure emails cannot be sent out | LTA | Modify config.php  $CFG->noemailever | | 10 mins |
|  | 31/05 | Add archive banner | LTA | Modify  Theme/ucl/style/ucl.css add:  div#archivetopstrap{  background-image:url("https://moodle-archive.ucl.ac.uk/12-13/theme/ucl/pix/archivestrap.png");  height: 60px;  }  Theme/ucl/layout/frontpage.php  Theme/ucl/layout/login.php  Theme/ucl/layout/mydashboard.php  Theme/ucl/layout/course.php  Theme/ucl/layout/report.php  after <div id=’page’> add  <div id ='archivetopstrap'></div> | |  |
|  | 31/05 | Remove ‘Login as guest’ text | LTA | In  theme/ucl/layout/login.php  theme/ucl/layout/frontpage.php  remove  <div id='ucl-guest-login'>  <div id='ucl-guest-login-text'>  <?php if (!isloggedin()) { ?>  <form id="guestlogin" method="post" action="<?php echo $CFG->httpthemewww;?>/login/index.php">  <div class="guestform">  <input type="hidden" value="guest" name="username">  <input type="hidden" value="guest" name="password">  <input type="submit" value="<?php echo get\_string('loginguest');?>">  </div>  </form>  <?php }?>  </div>  </div> | |  |
|  | 31/05 | Modify site name. | LTA | Modify  theme/ucl/layout/frontpage.php  theme/ucl/layout/login.php  theme/ucl/layout/mydashboard.php  and replace ‘ucl moodle’ with ‘ucl moodle archive 2012/13’ | |  |
|  | 31/05 | Remove news from front page | LTA | Modify  theme/ucl/layout/frontpage.php  theme/ucl/layout/login.php  and remove  <!-- UCL NEWS FORUM -->  <div id="banner">  <?php include($CFG->dirroot . "/theme/ucl/layout/newsforum.php"); ?>  </div> | |  |
|  | 31/05 | Ensure latex filter displays text correctly | LTA | Go to course 4083  If it doesn’t display correctly change the file permissions on /data/apache/htdocs/moodle/12-13/filter/tex/mimetext.linux to 0755 | |  |
|  | 31/05 | Fix search courses block | LTA | Modify /theme/ucl/layout/mydashboard.php | |  |
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|  | 31/05 | Copy /data/Moodle from Moodlevm-nfs to /data/Moodle/12-13 on Moodle-archive (~ 1Tb) | DCS | An rsync will then be required on 07/06 but shouldn’t take very long as only modified files will need changing | | 14 hrs |
| Start of upgrade  Start of Archive.  No access to production Moodle between Friday 07/06/13, 5pm until Wednesday 12/06/13, 9am | | | | | | |
|  | Friday7th 5pm | Put Moodle into maintenance mode.  Stop the cron job  Remove moodlevm-b/c from SLB farm (stop Apache, enable .htaccess\_maint) | LTA | | Users visiting Moodle.ucl.ac.uk will see message similar to:  “*The Moodle 2.4 Upgrade has begun. Moodle will be unavailable from 5pm on 07/06/13 until 9am 12/06/13.*  *However a read only copy will be available from noon on Saturday 08th June at Moodle-archive.ucl.ac.uk/12-13*” |  |
|  | Friday7th 5pm | Create db dump file  And  Import into Moodle\_archive\_1213 db | DBA  Jo | | Mysqldump –uroot –p moodle-live > moodle\_live.sql  Scp moodle\_live.sql [ccspsql@moodle-archive.ucl.ac.uk:/data/mysql/backup/jo](mailto:ccspsql@moodle-archive.ucl.ac.uk:/data/mysql/backup/jo)  Cd /data/mysql/nackup/jo  mysql -umoodleuser -p  Mysql>use moodle\_archive\_1213  Mysql>source moodle\_live.sql | 12hrs |
|  | Friday7th 5pm | archive db dump and files to tape | LTA/DCS | |  | 12 hrs |
|  | Friday7th 5pm | Rsync the data /data/Moodle/12-13 | LTA | | Shouldn’t take too long as only modified files need to be copied | 6 hrs |
| Archive ready for customising is released.  Main M2 Upgrade begins. | | | | | | |
|  | Sat  8th  9 a.m. | Change cookie prefix to prevent session clashes | LTA | as more than 1 Moodle instance on same server admin->server->session handling. Change it to uclmoodle1213 | |  |
|  | Sat 8th | Change the theme | LTA | Site admin>appearance>themes>theme selector>  Change theme for default to UCL\_archive | |  |
|  | Sat 8th | Add google analytics tracking code to header | LTA | Site admin>appearance>additional html  Paste the following in to Within header section:  <script>  (function(i,s,o,g,r,a,m){i['GoogleAnalyticsObject']=r;i[r]=i[r]||function(){  (i[r].q=i[r].q||[]).push(arguments)},i[r].l=1\*new Date();a=s.createElement(o),  m=s.getElementsByTagName(o)[0];a.async=1;a.src=g;m.parentNode.insertBefore(a,m)  })(window,document,'script','//www.google-analytics.com/analytics.js','ga');  ga('create', 'UA-41333975-5', 'ucl.ac.uk');  ga('send', 'pageview');  </script> | |  |
|  | Sat 8th | Change the url in the footer for ‘ucl moodle policy and guidelines’ | LTA | Goto site admin>settings>appearance>themes>ucl>footerlinks1  Edit the html source.  Replace <https://moodle.ucl.ac.uk/file.php/1/policies/Policy2010.html>  With  “https://moodle-archive.ucl.ac.uk/12-13/file.php/1/policies/Policy2010.html" | |  |
|  | Sat  8th | Remove the guest login button | ELE | Settings > site administration > plugins > authentication > Manage authentication > Guest login button = Hide | | 5 mins |
|  | Sat  8th | Create roles - student (read only) and tutor (read only). | ELE | See the [wiki page](https://wiki.ucl.ac.uk/display/ISMoodle/Archive+and+year-end+process+-+actions+required#Archiveandyear-endprocess-actionsrequired-Createthenewreadonlyroles) for more info  Steps to create role:  Note to carry out the following instructions to use a firefox browser with selenium plug-in installed.  1) Log-in as admin to newly created Moodle archive.  2) Go to Site Administration -> Users -> permissions -> define roles  3) Duplicate student role and rename to Student (read-only)  4) Click pencil icon to edit the new role  5) Ensure the 'advanced' button is clicked so it shows 'hide advanced'  6) Ensure that the capability list is not filtered i.e that the page shows all permisssions  7) Ensure the following check boxes for context are ticked: user, category, course, activity module and block  8) Run the selenium script attached to this page to modify all relevant permissions: note to do this you'll need to use a firefox browser with selenium plug-in installed | | 1 h |
|  | Sat  8th | Change location of Site policy | ELE | Settings>site admin> security > Site policies >  ‘Change Site policy’ and ‘site policy url for guests’ to https://Moodle-archive.ucl.ac.uk/12-13/policy/about\_the\_archive.html | | 5 mins |
|  | Sat  8th | For the student role ensure the graded role is read-only | ELE | Grades>general settings  Untick all graded roles.  Tick student read only role | |  |
|  | Sat 8th | Remove the latest news block | ELE | Site admin>plugins>blocks>manage blocks  Hide latest news block | |  |
|  | Sat  8th | Prevent enrolment on courses | ELE | We used to do this by executing some sql but an easier option might be to hide all enrolment methods in enrolments>manage enrolment plugins and make them all hidden | |  |
|  | Sat  8th | update mdl\_user set policyagreed=0 | LTA | reset site policy flag for users | |  |
|  | Date yet to be agreed | Map Tutor, Non-editing tutor, Course administrator, Course creator, UCL Support staff and administrator into the Staff (read only) role. | LTA | See the [wiki page](https://wiki.ucl.ac.uk/display/ISMoodle/Archive+and+year-end+process+-+actions+required#Archiveandyear-endprocess-actionsrequired-Mapstudentstothereadonlystudentrole) for the queries to execute. Backup the table first:  mysqldump --add-drop-database -umoodleuser -p moodle\_archive\_1213 mdl\_role\_assignments > mdl\_role\_assignments.sql | | 30 mins |
|  | Sat  8th | Map Student and participant into Student (read only) role. | LTA | See the [wiki page](https://wiki.ucl.ac.uk/display/ISMoodle/Archive+and+year-end+process+-+actions+required#Archiveandyear-endprocess-actionsrequired-Mapstudentstothereadonlystudentrole) for the queries to execute | | 30 mins |
|  | Sat  8th | Modify links from moodle.ucl.ac.uk to moodle-archive.ucl.ac.uk/12-13Using admin/replace.php | LTA | links to files and resources are replaced with the archive location and not the live. The search/replace file is in admin/tool/replace/  The following tables need to be altered/dropped before this script will work:  alter table mdl\_course\_sections modify column summary longtext;  alter table mdl\_email\_mail modify column body longtext;  alter table mdl\_resource\_old modify column intro longtext;  drop table mdl\_role\_assignments\_TJG\_20120905;  drop table mdl\_user\_enrolments\_TJG\_20120905; | | 30 mins |
|  | Sat  8th | Modify Moodle-archive/index.php | LTA | Add url of new instance. Urls of archives should be displayed with the most recent at the top. | |  |
|  | Sat  8th | Redirect users visiting Moodle.ucl.ac.uk to Moodle-archive | LTA | Message on Moodle-archive/index will display similar to:  “Moodle is being upgraded and will be unavailable until 12/06/12. However, a read- only archive can be accessed from the links below…” | |  |
| Moodle-archive is available to users from noon on Saturday 8th June. | | | | | | |

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| Moodle 2.4.3 Upgrade begins , assumes archive deployed | | | | | |
|  | Before 07th | Prepare v243 Release tag on moodlevm-a/b/c:   * Copy v243 release tag to /data/apache/htdocs/moodle\_v243 * Create local\_settings.php from local\_setting\_template.php and edit related settings * Chmod 0755 filter/tex/mimetex.linux * Enable .htaccess\_maint |  |  |  |
|  | Sat  8th  Noon. | Connect to moodlevm-db and cleanup DB (Details on ticket #33 and #34  https://svn.ucl.ac.uk/projects/isd/moodle24/ticket)   * Truncate the mdl\_log table * Drop obsolete tables * Delete inactive blocks from DB * Alter selected tables | LTA | TRUNCATE TABLE mdl\_log; DROP TABLE mdl\_role\_assignments\_TJG\_20120905; DROP TABLE mdl\_user\_enrolments\_TJG\_20120905; DELETE FROM mdl\_block wherename='echo360\_configuration'; DELETE FROM mdl\_block where name='echo360\_echocenter'; DELETE FROM mdl\_block where name='email\_list'; DELETE FROM mdl\_block where name='myCourses'; ALTER TABLE mdl\_course\_sections modify column summary longtext; ALTER TABLE mdl\_email\_mail modify column body longtext; ALTER TABLE mdl\_resource\_old modify column intro longtext; | 15 mins |
|  | Sat  8th | Enable v243 Release tag on moodlevm-a/b/c | DCS | Rename moodle to moodle\_v229  Rename moodle\_v243 to moodle | 15  mins |
|  | Sat  8th  12:30pm | Start command-line Moodle upgrade on moodlevm-a | LTA | cd /data/apache/htdocs/moodle  /usr/bin/php admin/cli/upgrade.php | 2 hrs |
|  | Sat  8th 2:30pm | Run Assignment upgrade helper | LTA | Moodle Settings > Site administration > Assignment upgrade helper | 1:15 hrs |
|  | Sat  8th 3:45pm | Configure admin settings:  - Disable 2.2 Assignment  - Disable attendance block  - Add the MyPortfolio block to the Moodle My home page. | LTA | * Moodle Settings > Site administration > Plugins > Activity modules > Manage activities   My home > Any course, Turn editing on, Add a block, Myportfolio | 15 min |
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| Post-upgrade Tasks | | | | | |
|  | Sun  9th 10am | Final live testing | ELE | When upgrade script has completed. |  |
|  | Mon  10th  8am | - Enable v243 release code on moodlevm-b/c  - Start apache | DCS | Rename moodle to moodle\_v229  Rename moodle\_v243 to moodle | 15 min |
|  | Mon  10th | Start Cron job on moodlevm-a | DCS |  | 15  min |
|  | Mon  10th | Disable .htaccess\_maint | LTA | On moodlevm-a/b/c  - rename .htaccess to .htaccess\_maint  - rename .htaccess\_live to .httaccess | 15  min |
|  | Mon  10th | Disable Moodle maintenance Mode | LTA | Settings > Site administration > Server > Maintenance Mode | 15  min |
| Moodle 2.4.3 available to users from 9am on 10/06/13 | | | | | |