

<?php

```
// Google Analytics pseudo-URL for Moodle
// Copyright 2011 Mike Hughes
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// see: http://citymoodle.wordpress.com/2011/12/01/google-analytics-code-for-moodle-tracking/
```

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/*
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All the code should be pasted into the head part of your theme's header.html (Moodle 1.9x) or layout/general.php etc (Moodle 2.x) plus any other layout pages that you want to track.

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// get user department code
if (isset($USER->department)) {
    $userDept = trim($USER->department);
} else {
    $userDept = "";
}

// code to convert $userDept into $Userschool
$userSchool == "";

// get role of user for the course context (level=50)
$gaUserID = $USER->id;
$gaRole = 'unknownrole'; //default
if ($gaUserID > 0) {
    // get contextID for this course first
    $gaQry = get_record('context','instanceid',$COURSE->id,'contextlevel','50');
    $gaContextID = $gaQry->id;
    // then count records to see if user has an entry in role_assignments table
    $gaQryCnt = count_records('role_assignments','contextid',$gaContextID,'userid',$USER->id);
    // note a user may have multiple roles in db so get highest one
    if ($gaQryCnt > 0) { // ok, there are entries so get role
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$gaQry = get_records_sql("SELECT * FROM m_role_assignments WHERE contextid="" . $gaContextID . "" AND
userid="" . $USER->id . "" ORDER BY roleid ASC",0,1);
$gaQryObj = $gaQry[key($gaQry)]; // get key for 1st element in associative array
$gaQry = get_record('role','id',$gaQryObj->roleid); // get role name
$gaRole = $gaQry->shortname;
} else { // no specific course role, then what are they then?
if ($gaUserID == 1) $gaRole = 'guest'; // assuming standard Moodle setup!
if ($gaUserID == 2) $gaRole = 'superadmin'; // assuming standard Moodle setup!
// is user a Moodle admin?
$gaQryCnt2 = count_records('role_assignments','contextid',1,'userid',$USER->id);
if ($gaQryCnt2 > 0) $gaRole = 'superadmin';
}
} else {
$gaRole = 'notloggedin';
}

// get course shortname, could also use id, fullname,
// idnumber although latter not always given
$gaCourse = $COURSE->shortname;

// work out what major task is being done by looking at raw URL
$gaPagePath = $CFG->pagepath;
$gaTask = $gaPagePath;
$gaURLParts = explode('/', $gaPagePath);
$gaURLPartsCount = count($gaURLParts);
// we're interested in array elements 3 and above, the bits after Moodle root URL
// so if URL is http://moodle.college.ac.uk/course/view.php?id=102
// element 3 = 'course', 4 = 'view.php' (except for some admin pages, see below)
// following bit checks down the path and grabs relevent keywords to build task
if ($gaURLPartsCount > 3) {
$gaTask = $gaURLParts[3];
if ($gaTask == "") $gaTask = 'home';
}
if ($gaURLPartsCount > 4) {
if ($gaURLParts[4] != "") {
if (strpos($gaURLParts[4],'.') > 0) {
$gaTask = $gaTask . '-' . substr($gaURLParts[4],0,strpos($gaURLParts[4],'.'));
} else {
$gaTask = $gaTask . '-' . $gaURLParts[4];
}
}
}
if ($gaURLPartsCount > 5) {
if ($gaURLParts[5] != "") {
if (strpos($gaURLParts[5],'.') > 0) {
$gaTask = $gaTask . '-' . substr($gaURLParts[5],0,strpos($gaURLParts[5],'.'));
} else {
$gaTask = $gaTask . '-' . $gaURLParts[5];
}
}
}
}

// fix for moodle bug where admin urls are not getting reported correctly in $CFG->pagepath
// http://tracker.moodle.org/browse/MDL-20342

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$gaTask = str_replace('/', '-', $gaTask);

// fix for help
if ($gaTask == 'help.php') $gaTask = 'help';

// if there is a current action specified then append that to task but only for non admin stuff
if ($gaURLParts[0] != 'admin') {
    if (isset($_REQUEST['currentaction'])) $gaTask = $gaTask . '-' . $_REQUEST['currentaction'];
    // if there is a section specified then append that to task
    if (isset($_REQUEST['section'])) $gaTask = $gaTask . '-' . $_REQUEST['section'];
    // if there is an action specified then append that to task
    if (isset($_REQUEST['action'])) $gaTask = $gaTask . '-' . $_REQUEST['action'];
    if ( (isset($_REQUEST['frameset'])) && (isset($_REQUEST['page'])) ) $gaTask = $gaTask . "-ims-p" .
$_REQUEST['page'];
}

// now get task or page ID however best, this list not exhaustive
$gaTaskID = "";
// get id number if page has id=xx argument
if (isset($_REQUEST['id'])) $gaTaskID = $_REQUEST['id'];

// if $gaTaskID still 0 try looking for mod id in URL
// e.g. mod/forum/post.php?forum=7 or admin/roles/assign.php?contextid=27
// note that these URLs work best for course content related stuff not user or admin stuff
// this list is not exhaustive, just the ones I managed to identify
if ($gaTaskID == "") {
    if (($gaURLPartsCount > 4) && ($gaURLParts[4] == 'forum') && (isset($_REQUEST['f']))) $gaTaskID =
$_REQUEST['f']; if (($gaURLPartsCount > 4) && ($gaURLParts[4] == 'forum') && (isset($_REQUEST['f'])))
$gaTaskID = $_REQUEST['f'];
    if (($gaURLPartsCount > 4) && ($gaURLParts[4] == 'glossary') && (isset($_REQUEST['g']))) $gaTaskID =
$_REQUEST['g'];
    if (($gaURLPartsCount > 4) && ($gaURLParts[4] == 'forum') && (isset($_REQUEST['forum']))) $gaTaskID =
$_REQUEST['forum'];
    if (($gaURLPartsCount > 4) && ($gaURLParts[4] == 'resource') && (isset($_REQUEST['r']))) $gaTaskID =
$_REQUEST['r'];
    if (($gaURLPartsCount > 4) && ($gaURLParts[4] == 'quiz') && (isset($_REQUEST['cmid']))) $gaTaskID =
$_REQUEST['cmid'];
    if (($gaURLPartsCount > 4) && ($gaURLParts[4] == 'quiz') && (isset($_REQUEST['q']))) $gaTaskID =
$_REQUEST['q'];
    if (($gaURLPartsCount > 3) && ($gaURLParts[3] == 'calendar') && (isset($_REQUEST['course']))) $gaTaskID =
$_REQUEST['course'];
    if (($gaURLPartsCount > 3) && ($gaURLParts[3] == 'user') && (isset($_REQUEST['contextid']))) $gaTaskID =
$_REQUEST['contextid'];
    if (($gaURLPartsCount > 3) && ($gaURLParts[3] == 'blog') && (isset($_REQUEST['filterselect']))) $gaTaskID =
$_REQUEST['filterselect'];
    if (($gaURLPartsCount > 3) && ($gaURLParts[3] == 'blog') && (isset($_REQUEST['postid']))) $gaTaskID =
$_REQUEST['postid'];
    if (($gaURLPartsCount > 3) && ($gaURLParts[3] == 'blog') && (isset($_REQUEST['userid']))) $gaTaskID =
$_REQUEST['userid'];
    if (($gaURLPartsCount > 3) && ($gaURLParts[3] == 'help.php') && (isset($_REQUEST['file'])) &&
(isset($_REQUEST['module']))) $gaTaskID = $_REQUEST['module'] . '/' . $_REQUEST['file'];
}
// still no taskID? try update=xx from editing resource
if ( ( $gaTaskID == "" ) && (isset($_REQUEST['update'])) ) $gaTaskID = $_REQUEST['update'];

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// if still no taskID then set to 0
if ($gaTaskID == "") $gaTaskID = '0';
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// now construct pseudo URL using . separator
$pseudoUrl = $userSchool . '.' . $gaRole . '.' . $gaCourse . '.' . $gaTask . '.' . $gaTaskID;
$pseudoUrl = strtolower($pseudoUrl); // all lower case for neatness
$gaAccount = "UA-xxxxxxx-1"; // enter your GA account code here
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?>
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<script>
// Google Analytics code as a function instead of inline
function gaSSDSLoad (acct,pseudo_url) {
  var gaJsHost = (("https:" == document.location.protocol) ? "https://ssl." : "http://www.");
  var s,pageTracker;
  s = document.createElement('script');
  s.src = gaJsHost + 'google-analytics.com/ga.js';
  s.type = 'text/javascript';
  s.onloadDone = false;
  function init () {
    try { pageTracker = _gat._getTracker(acct); } catch (err) {}
    pageTracker._trackPageview(pseudo_url);
  }
  s.onload = function () {
    s.onloadDone = true;
    init();
  };
  s.onreadystatechange = function() {
    if (('loaded' === s.readyState || 'complete' === s.readyState) && !s.onloadDone) {
      s.onloadDone = true;
      init();
    }
  };
  document.getElementsByTagName('head')[0].appendChild(s);
}

// now run script using GA account # and pseudo_url
// fix for IE8
if(window.addEventListener) {
  /* W3C method. */
  window.addEventListener('load', function(){gaSSDSLoad ("<? echo $gaAccount; ?>","<? echo $pseudoUrl; ?>")
}, false);
} else if(window.attachEvent) {
  /* IE method. */
  window.attachEvent('onload', function(){gaSSDSLoad ("<? echo $gaAccount; ?>","<? echo $pseudoUrl; ?>") });
} else {
  /* Old school method. */
  window.onload = function() {gaSSDSLoad ("<? echo $gaAccount; ?>","<? echo $pseudoUrl; ?>"); };
}

</script>
```