
Subject: Download file control

Posted by [ljkbrost](#) on Wed, 26 Jul 2006 05:53:07 GMT

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Working with the framework I have created the support for downloading a file from the system without exposing the location of the file.

I have created a `std.filedownload1.inc` that will download a single file based on the the selection passed in from the previous screen. The system checks that the selected record exists and then expects the `cm_post_getData` class to add the following keys.

`download_filename` - The absolute path to the file

`download_filetype` - The mime type of the file being downloaded

`download_mode` - [`inline|attachment`] if the mode is 'inline' the file is opened in the current browser. If the file is attachment it causes the browser to pop-up an attachment save-as screen.

After getting the `download_*` fields it verifies the information and then spools the file to the client. After spooling the file it calls the `updateRecord` to inform the caller that it is complete. The update process is wrapped in a transaction to ensure that if the upload fails the update is rolled back (transaction code currently commented out).

Example:

The following function are in the class file that needs to support the downloading of files. The `_cm_post_getData(...)` adds the required `download_*` fields and the `_cm_pre_updateRecord(...)` updates a field to record the date the file was downloaded.

`report.class.inc`:

```
function _cm_post_getData ($rowdata, &$where)
// perform custom processing after database record(s) are retrieved.
// NOTE: $where is passed BY REFERENCE so that it may be modified.
{
    if(strstr($_SERVER['PHP_SELF'], "report_download2.php"))
    {
        for($theIndex=0;$theIndex<sizeof($rowdata);$theIndex++)
        {
            $rowdata[$theIndex]['download_filename'] = $rowdata[$theIndex]['report_file'];
            $rowdata[$theIndex]['download_mode'] = 'attachment';
            if(strstr($rowdata[$theIndex]['download_filename'], ".pdf"))
            {
                $rowdata[$theIndex]['download_filetype'] = "application/pdf";
            }
            else if(strstr($rowdata[$theIndex]['download_filename'], ".xls"))
            {
                $rowdata[$theIndex]['download_filetype'] = "application/vnd.ms-excel";
            }
        }
    }
}
```

```
}

return $rowdata;
}

function _cm_pre_updateRecord ($rowdata)
// perform custom processing before database record is updated.
// errors are added to $this->errors.
{
if(strpos($_SERVER['PHP_SELF'], "report_download2.php"))
{
for($theIndex=0;$theIndex<sizeof($rowdata);$theIndex++)
{
$rowdata[$theIndex]['report_download'] = strtotime("%Y-%m-%d", mktime());
}
}

return $rowdata;
} // _cm_pre_updateRecord
```

report_download2.php (the control file):

```
<?php
$table_id = "report";
require_once "std.filedownload1.inc";
?>
```

std.filedownload1.inc (attached)

File Attachments

1) [std.filedownload1.inc](#), downloaded 1360 times

Subject: Re: Download file control
Posted by [AJM](#) on Wed, 26 Jul 2006 09:02:27 GMT
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Interesting. I'll take a look at it and see if I can include it in the next release.

Subject: Re: Download file control
Posted by [AJM](#) on Wed, 26 Jul 2006 16:35:30 GMT
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The following has been coded and tested and will be available in the next release:

File /includes/std.filedownload1.inc which is the standard controller for this pattern.

File /xample/person_filedownload.php which uses the new controller. This can be accessed from a navigation button in the "Enquire Person" screen.
