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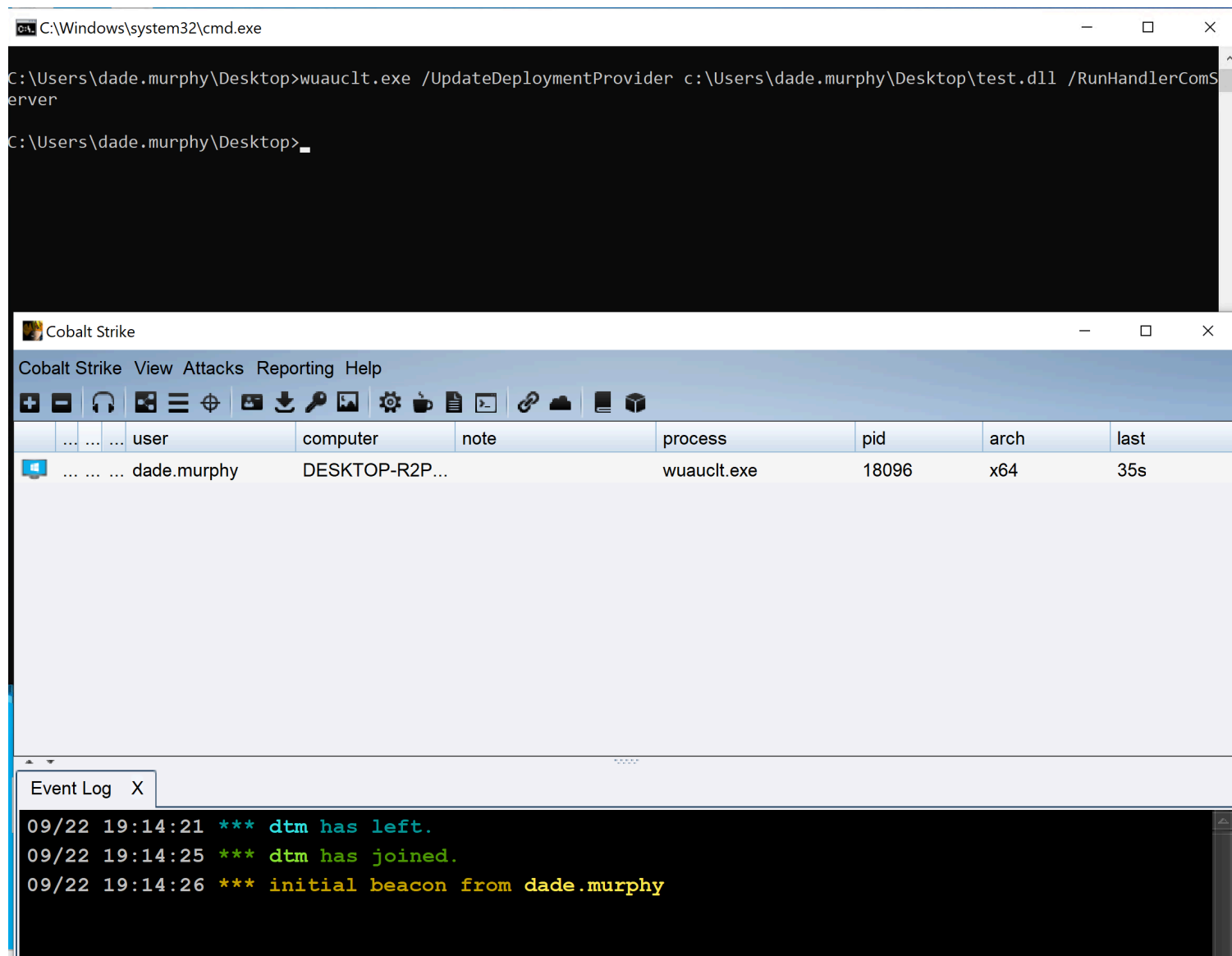
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# Code execution via the Windows Update client (wuauctl)



**DTM**

Oct 12, 2020 • 2 min read



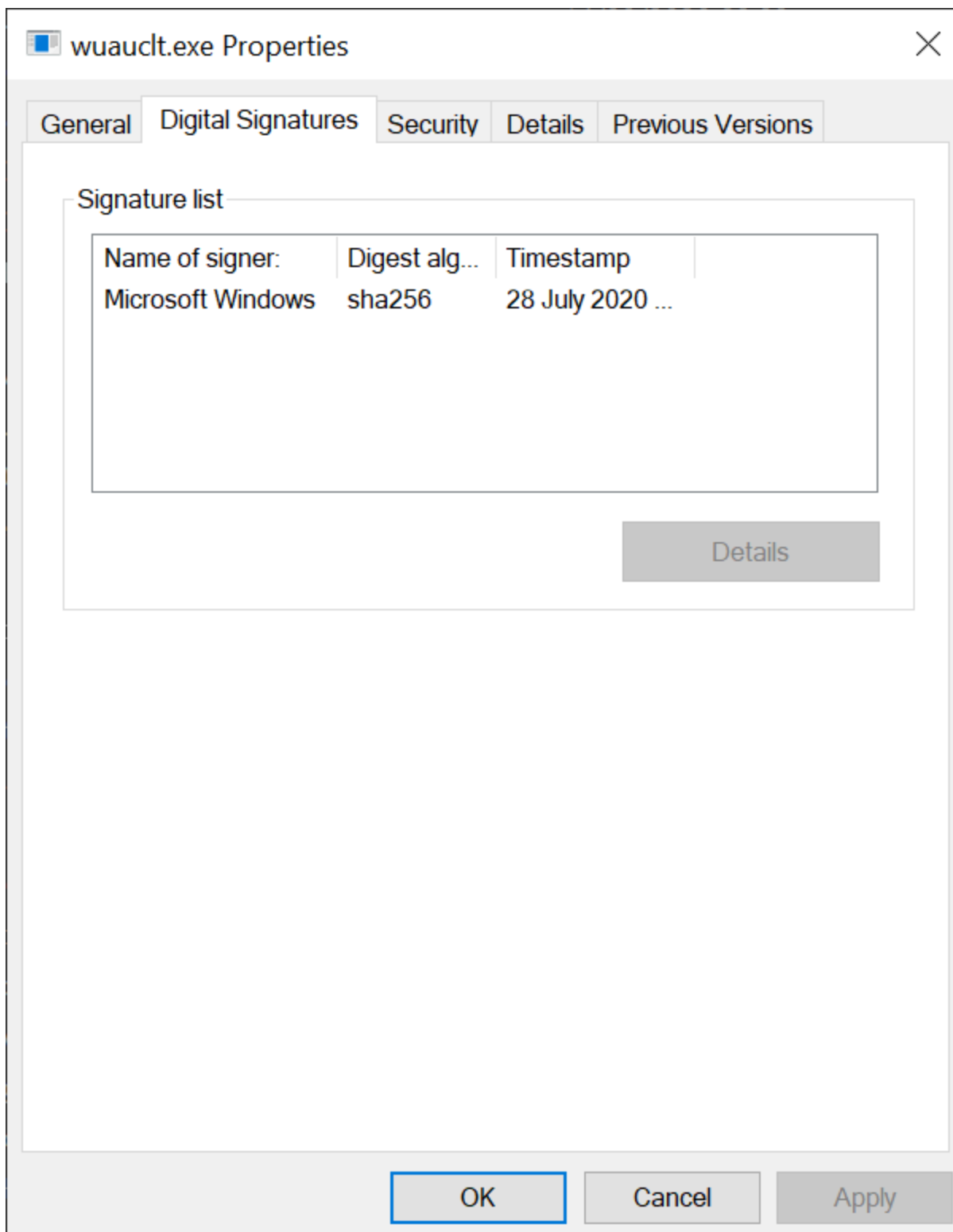
It's been a few months since my last post about uploading and downloading data with `certreq.exe` as a potential alternative to `certutil.exe` in LOLBIN land. I've been having a blast starting my new role in the [MDSec ActiveBreach team](#).

Today I wanted to share something a little more juicy. Enter the 'WSUS Useful Client' as they describe [here](#). The Windows Update client (`wuaclt.exe`) is a bit

elusive with only small number of Microsoft articles about it [1] [2] and these articles do not seem to document all of the available command line options.

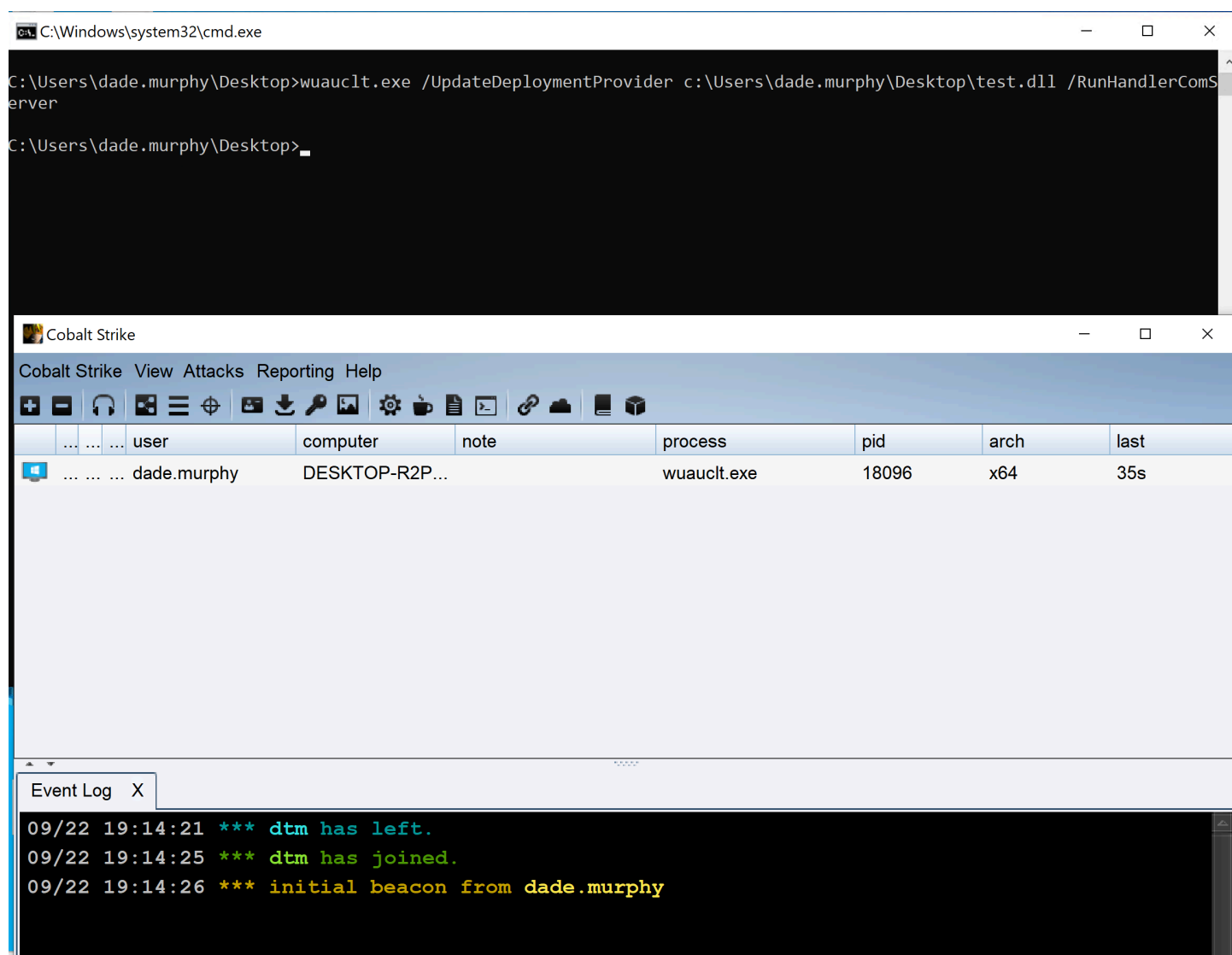
This binary lives here:

```
C:\Windows\System32\wuaclt.exe
```

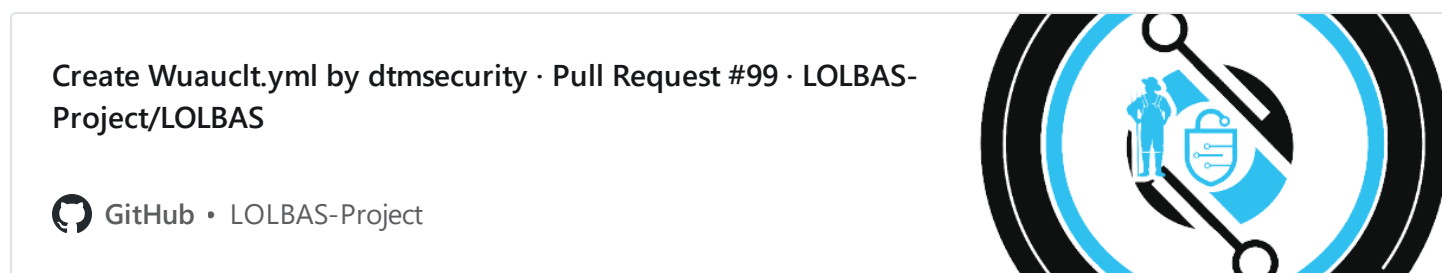


I discovered (When I get a chance I will be sharing further details of the methodology I used to find this on a blog post @MDSecLabs) you can gain code execution by specifying an arbitrary DLL with the following command line options on the test Windows 10 systems I tried:

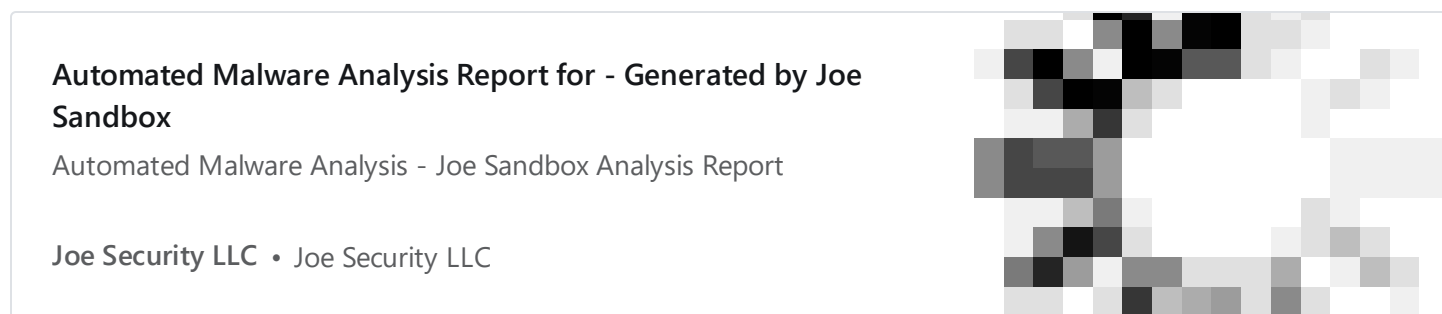
```
wuaclt.exe /UpdateDeploymentProvider <Full_Path_To_DLL> /RunHandlerComServer
```



There's some fantastic work already in the community for raising the awareness of LOLBINs and for sharing new candidates and their capabilities with the excellent [LOLBAS project](#). I have made the following pull request to this project:



After discovering this LOLBIN independently some brief searching highlighted a sample on Joe Sandbox leveraging it in the wild:



Finally, come and hang out at the RedTeamSec Discord [here](#). It's been great to see this community grow over the past few months, with some great content being shared.



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