

# Odbcconf on LOLBAS

Archived: 2026-04-06 00:49:19 UTC

## .. /Odbcconf.exe

Used in Windows for managing ODBC connections

### Paths:

- C:\Windows\System32\odbcconf.exe
- C:\Windows\SysWOW64\odbcconf.exe

### Resources:

- <https://gist.github.com/NickTyrer/6ef02ce3fd623483137b45f65017352b>
- <https://github.com/woanware/application-restriction-bypasses>
- <https://www.hexacorn.com/blog/2020/08/23/odbcconf-lolbin-trifecta/>

### Acknowledgements:

- Casey Smith (@subtee)
- Adam (@Hexacorn)

### Detections:

- Sigma: [proc\\_creation\\_win\\_odbcconf\\_response\\_file.yml](#)
- Sigma: [proc\\_creation\\_win\\_odbcconf\\_response\\_file\\_susp.yml](#)
- Elastic: [defense\\_evasion\\_unusual\\_process\\_network\\_connection.toml](#)
- Elastic: [defense\\_evasion\\_network\\_connection\\_from\\_windows\\_binary.toml](#)

## Execute

1. Execute DllRegisterServer from DLL specified.

```
odbcconf /a {REGSVR C:\Windows\Temp\file.dll}
```

Use case

Execute a DLL file using technique that can evade defensive counter measures

Privileges required

User

Operating systems

Windows vista, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows 11  
ATT&CK® technique

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Tags

Execute: DLL

2. Install a driver and load the DLL. Requires administrator privileges.

```
odbcconf INSTALLDRIVER "lolbas-project|Driver=C:\Windows\Temp\file.dll|APILevel=2"  
odbcconf configsysdsn "lolbas-project" "DSN=lolbas-project"
```

Use case

Execute dll file using technique that can evade defensive counter measures

Privileges required

User

Operating systems

Windows vista, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows 11

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3. Load DLL specified in target .RSP file. See the Code Sample section for an example .RSP file.

```
odbcconf -f file.rsp
```

Use case

Execute dll file using technique that can evade defensive counter measures

Privileges required

Administrator

Operating systems

Windows vista, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows 11

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