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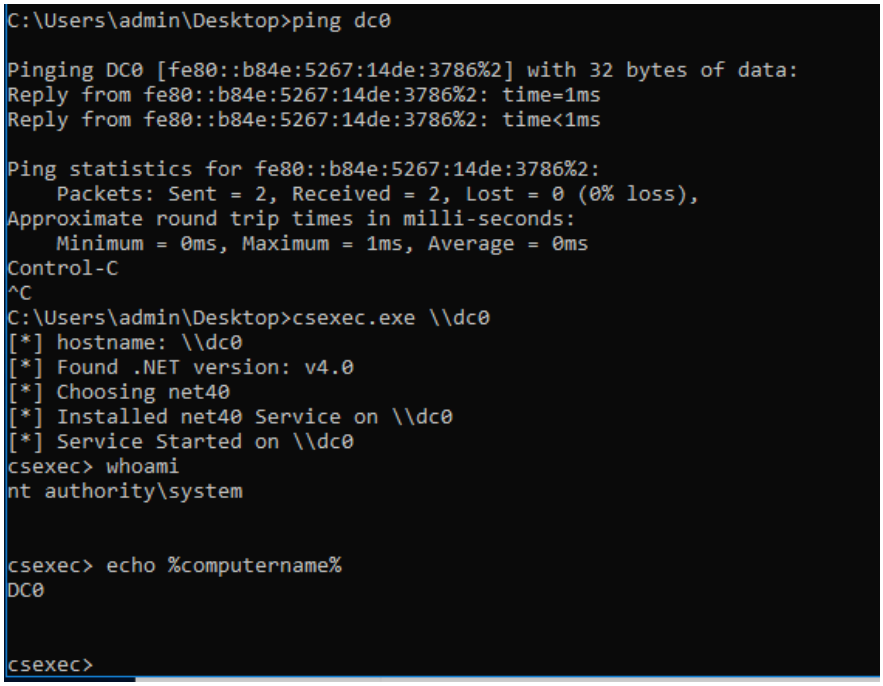
README

CSExec (a C Sharp psexec implementation)

This is an example for how to implement `psexec` (from SysInternals Suite) functionality, but in open source C#. This does not implement all of the psexec functionality, but it does implement the equivalent functionality to running: `psexec -s \\target-host cmd.exe`



`psexec` works by doing the following steps:

- copy a windows service executable (`psexecsvc.exe`) that is embedded within the `psexec.exe` binary to `\\target-host\admin$\system32`
- remotely connect to the service control manager on `\\target-host` to install and start the `psexecsvc.exe` service
- connect to the named pipe on the target host: `\\target-host\pipe\psexecsvc`
- send commands to the `psexecsvc` via the named pipe
- receive output via the `psexecsvc` named pipe
- upon exit, uninstall service, delete service executable

This project `csexec` mimicks those steps in native C# with only a minimal amount of `pinvoke` for the remote service installation. It's actually surprisingly simple and takes a very minimal amount of code to implement.

The primary difference between this and `psexec` is that it must determine the .NET runtime on the remote host in order to install the correctly compiled service executable.

- **C#** 100.0%

Build in Visual Studio to create .NET 3.5, 4.0, and 4.5 executables for your client preference (Win 7 - Win 10+)