

the token manipulation internal mechanism works and how we can use it to our advantage.

Content

This repo contains four tools:

- A standalone binary (Impersonate/) that you can use to manipulate tokens on a Windows computers remotely (PsExec/WmiExec) or interactively
- The CrackMapExec python module (impersonate.py) with the embedded Impersonate binary
- The embedded CrackMapExec binary (CME_module/) which is the same as the Impersonate.exe binary without printf's
- The list_tokens.c C++ code that is presented on the blog post

Impersonate.exe usage

The Impersonate.exe tool contains three modules:

Impersonate list: which will list available tokens

```
C:\Windows\system32?Z:\ad\impersonate\Impersonate\X64\Release\Impersonate.exe list

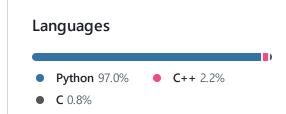
{} lanbling SeAssignPrimaryToken ounced!

{} SeAssignPrimaryToken enabled!

{} SeabebugPrivilege enabled!

{} Seabebug
```

- Impersonate exec: which will allow you running commands impersonating a user
- Impersonate adduser: which will allow you elevating your privileges to domain admin



Compilation instructions

In order to compile the projects you will have to switch the Runtime library options to Multi-threaded Debug (/MtD) in the

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