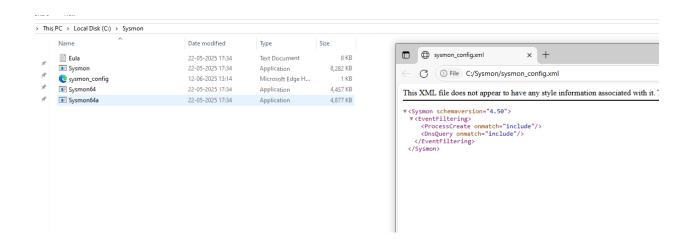
## Scenario 4: DNS Tunneling (MITRE T1071.004)

In this scenario, we'll simulate **DNS tunneling**, where an attacker exfiltrates data through DNS requests by encoding data in subdomains. This is a stealthy technique often used by APTs to bypass firewalls and evade detection.

## Step 1: Enable DNS Logging on the Windows Machine

Use a Sysmon configuration that includes:



Steop 2: run in CMD: nslookup google.com or facebook.com

C:\Users\windows\Downloads\Sysmon>nslookup facebook.com
Server: gpon.net
Address: fe80::1

Non-authoritative answer:
Name: facebook.com
Addresses: 2a03:2880:f18a:188:face:b00c:0:25de
57.144.160.1

## Step 3: Search and Analyze DNS Query Logs in Splunk

- EventCode=22
- Event ID 22 is being logged by Sysmon,

