EVENT ID 1: PROCESS CREATED

```
EventID: 1
EventName: Process created
Logs:
  - UtcTime: "2024-03-31 16:15:00"
    ProcessGuid: "12345678-1234-5678-ABCD-1234567890EF"
    ProcessId: 1001
    Image: "C:\\Windows\\System32\\notepad.exe"
    CommandLine: "C:\\Windows\\System32\\notepad.exe
C:\\Users\\User1\\Document\\example.txt"
    ParentProcessGuid: "ABCD1234-5678-9012-EFGH-34567890ABCD"
    ParentProcessId: 2001
    ParentImage: "C:\\Windows\\System32\\explorer.exe"
    ParentCommandLine: "C:\\Windows\\System32\\explorer.exe /desktop"
    Hashes:
      SHA256: "A1B2C3D4E5F6G7H8I9J0K1L2M3N4O5P6"
    Company: "Microsoft Corporation"
    Description: "Notepad"
    Product: "Microsoft® Windows® Operating System"
    OriginalFilename: "notepad.exe"
    IntegrityLevel: "Medium"
    LogonId: "0x123456789"
    TerminalSessionId: 1
    User: "User1"
    ParentUser: "User2"
    CurrentDirectory: "C:\\Users\\User1\\Document"
    ParentCurrentDirectory: "C:\\Users\\User2\\Desktop"
```

ProcessId → Unique process identifier.

Image → Identifies executed program.

CommandLine → Specifies executed command.

ParentImage → Indicates parent program.

ParentCommandLine → Specifies parent command.

EVENT ID 11: FILE CREATE

```
EventID: 11
EventName: File create
Logs:
  - UtcTime: "2024-03-31 16:20:00"
    ProcessGuid: "ABCDEFGH-1234-5678-9012-IJKLMNOPQRST"
    ProcessId: 3001
    Image: "C:\\Windows\\System32\\notepad.exe"
    TargetFilename: "C:\\Users\\User1\\Documents\\new_document.txt"
```

Indicates source program.

Specifies created file location.

EVENT ID 3: NETWORK CONNECTION

```
EventID: 3
EventName: Network Connection
Logs:
  - UtcTime: "2024-03-31 16:25:00"
    ProcessGuid: "JKLMNOP-9012-3456-7890-QRSTUVWXYZAB"
    ProcessId: 4001
    Image: "C:\\Windows\\System32\\chrome.exe"
    DestinationIp: "192.168.1.100"
    DestinationPort: 443
    Protocol: "TCP"
    Direction: "Outbound"
```

Identifies source program.

Specifies target IP address.

EVENT ID 13: REGISTRY EVENT (VALUE SET)

```
EventID: 13
EventName: Registry Event (Value Set)
Logs:
  - UtcTime: "2024-03-31 16:30:00"
    TargetObject: "HKLM\Software\Microsoft\Windows\CurrentVersion\Run\example"
    Details:
      ValueName: "ExampleValue"
      DataType: "REG_SZ"
      ValueData: "C:\example\example.exe"
```

Identifies affected registry key.

Specifies value name, data type, and value data.

EVENT ID 12: REGISTRY EVENT

```
EventID: 12
EventName: Registry Event (Object Create and Delete)
Logs:
  - UtcTime: "2024-03-31 16:35:00"
    TargetObject: "HKLM\Software\Microsoft\Windows\CurrentVersion\Run\example"
    Details:
      Operation: "Create"
```

Specifies whether the key was created or deleted.

Identifies affected registry key.

EVENT ID 6: DRIVER LOAD

```
EventID: 6
EventName: Driver Load
Logs:
  - UtcTime: "2024-03-31 16:40:00"
    ImageLoaded: "\Device\HarddiskVolume1\Windows\System32\drivers\example.sys"
                                                                  → Identifies loaded driver.
    Hashes:
      SHA256: "A1B2C3D4E5F6G7H8I9J0K1L2M3N4O5P6"  → Verifies driver integrity.
    Description: "Example Driver" → Provides information about driver purpose.
    Product: "Example Product"
    Company: "Example Company"
    OriginalFilename: "example.sys"
    Signed: "True" → Validates driver authenticity.
    Signature: "Valid" → Confirms driver signature validity.
```

EVENT ID 8: CREATE REMOTE THREAD

```
EventID: 8
EventName: Create Remote Thread
Logs:
  - UtcTime: "2024-03-31 16:45:00"
    SourceProcessGuid: "ABCDEFGH-1234-5678-9012-IJKLMNOPQRST" → Identifies source process.
    SourceProcessId: 5001 → Unique process identifier.
    TargetProcessGuid: "JKLMNOPQ-5678-9012-3456-RSTUVWXYZABC" → Identifies target process.
    TargetProcessId: 6001 → Unique process identifier.
    StartAddress: "0x0000000000000000" → Specifies thread start address.
    StartModule: "kernel32.dll"
```

EVENT ID 10: PROCESS ACCESS

```
EventID: 10
EventName: Process Access
Logs:
  - UtcTime: "2024-03-31 16:50:00"
    SourceProcessGuid: "ABCDEFGH-1234-5678-9012-IJKLMNOPQRST" → Identifies source process.
    SourceProcessId: 7001 → Unique process identifier.
    TargetProcessGuid: "JKLMNOPQ-5678-9012-3456-RSTUVWXYZABC" → Identifies target process.
    TargetProcessId: 8001 → Unique process identifier.
    GrantedAccess: "Read, Write" → Specifies granted access rights.
```

EVENT ID 7: IMAGE LOAD

```
EventID: 7
EventName: Image Load
Logs:
  - UtcTime: "2024-03-31 16:55:00"
    ProcessGuid: "ABCDEFGH-1234-5678-9012-IJKLMNOPQRST"
    ProcessId: 9001
    Image: "C:\\Windows\\System32\\kernel32.dll" → Identifies loaded image.
    ImageLoaded: "C:\\Windows\\System32\\kernel32.dll" → Specifies loaded image path.
    Hashes:
      SHA256: "A1B2C3D4E5F6G7H8I9J0K1L2M3N4O5P6" → Verifies image integrity.
    Description: "Kernel32 Dynamic Link Library" → Provides information about image.
    Product: "Microsoft® Windows® Operating System"
    Company: "Microsoft Corporation" → Specifies image owner.
    OriginalFilename: "kernel32.dll"
```

EVENT ID 5: PROCESS TERMINATE

```
EventID: 5
EventName: Process Terminate
Logs:
  - UtcTime: "2024-03-31 17:00:00"
    ProcessGuid: "ABCDEFGH-1234-5678-9012-IJKLMNOPQRST" → Identifies terminated process.
    ProcessId: 10001 → Unique process identifier.
    Image: "C:\\Windows\\System32\\notepad.exe" → Indicates terminated program.
    ExitCode: 0 → Specifies process termination status.
```

EVENT ID 14: REGISTRY EVENT

```
EventID: 14
EventName: Registry Event (Key and Value Rename)
Logs:
  - UtcTime: "2024-03-31 17:05:00"
    TargetObject: "HKLM\Software\Microsoft\Windows\CurrentVersion\Run\example"
                                                          → Identifies affected registry object.
    Details:
      OldName: "OldValueName"                 → Specifies old and new names.
      NewName: "NewValueName"
```

EVENT ID 2: FILE CREATION TIME CHANGE

```
EventID: 2
EventName: File Creation Time Change
Logs:
  - UtcTime: "2024-03-31 17:10:00"
    ProcessGuid: "ABCDEFGH-1234-5678-9012-IJKLMNOPQRST"
    ProcessId: 11001
    Image: "C:\\Windows\\System32\\cmd.exe"
    TargetFilename: "C:\\Users\\User1\\Documents\\example.txt"
```

→ Identifies creating process.

→ Unique process identifier.

→ Indicates creating program.

→ Specifies affected file location.

EVENT ID 9: RAW ACCESS READ

```
EventID: 9
EventName: Raw Access Read
Logs:
  - UtcTime: "2024-03-31 17:15:00"
    ProcessGuid: "ABCDEFGH-1234-5678-9012-IJKLMNOPQRST"
    ProcessId: 12001
    Image: "C:\\Windows\\System32\\notepad.exe"
    Device: "\\Device\\HarddiskVolume1\\example.txt"
```

→ Identifies reading process.

→ Unique process identifier.

→ Indicates reading program.

→ Specifies accessed device or file location.

EVENT ID 17: PIPE CREATED

```
EventID: 17
EventName: Pipe Created
Logs:
  - UtcTime: "2024-03-31 17:20:00"
    PipeName: "\\.\pipe\example_pipe" → Identifies created pipe.
    Image: "C:\\Windows\\System32\\services.exe" → Indicates creating program.
```

EVENT ID 20: WMI EVENT CONSUMER

```
EventID: 20
EventName: WMI Event Consumer
Logs:
  - UtcTime: "2024-03-31 17:25:00"
    Consumer: "example_consumer" → Identifies WMI event consumer.
    CommandLine: "C:\\Windows\\System32\\wbem\\wmiprvse.exe" → Specifies command line
                                                              executed by the consumer.
```

EVENT ID 18: PIPE CONNECTED

```
EventID: 18
EventName: Pipe Connected
Logs:
  - UtcTime: "2024-03-31 17:30:00"
    PipeName: "\\.\pipe\example_pipe"
    Image: "C:\\Windows\\System32\\svchost.exe"
```

PipeName → Identifies connected pipe.

Image → Indicates program connecting to the pipe.

EVENT ID 4: SYSMON CONFIGURATION CHANGE

```
EventID: 4
EventName: Sysmon Configuration Change
Logs:
  - UtcTime: "2024-03-31 17:35:00"
    Configuration: "EnableNetworkConnectionRule: true, EnableImageLoadRule: false"
```

Specifies the updated configuration settings.

EVENT ID 19: WMI EVENT FILTER

```
EventID: 19
EventName: WMI Event Filter
Logs:
  - UtcTime: "2024-03-31 17:40:00"
    Operation: "Created" → Indicates whether the filter was created,
    Consumer: "example_consumer" → Identifies the consumer associated with the filter.
    FilterName: "example_filter" → Specifies the name of the filter.
```

EVENT ID 21: WMI FILTER ACTIVITY

```
EventID: 21
EventName: WMI Filter Activity
Logs:
  - UtcTime: "2024-03-31 17:45:00"
    Operation: "Evaluated" → Indicates whether the filter was evaluated, applied, or removed.
    Result: "True" → Specifies the result of the filter evaluation, such as "True" or "False".
```

EVENT ID 7: IMAGE LOAD

```
EventID: 7
EventName: Image Load
Logs:
  - UtcTime: "2024-03-31 17:50:00"
    ProcessGuid: "ABCDEFGH-1234-5678-9012-IJKLMNOPQRST"→Identifies the loading process.
    ProcessId: 13001→Unique process identifier.
    Image: "C:\\Windows\\System32\\notepad.exe" →Indicates the program or DLL loaded.
    ImageLoaded: "C:\\Windows\\System32\\notepad.exe"
    Hashes: "MD5: A1B2C3D4E5F6G7H8I9J10K11L12M13N14"
    Description: "Notepad"→Unique process identifier.
    Product: "Microsoft Corporation"
    Company: "Microsoft Corporation"
    OriginalFilename: "notepad.exe"
```

EVENT ID 22: DNS QUERY

```
EventID: 22
EventName: DNS Query
Logs:
  - UtcTime: "2024-03-31 17:55:00"
    QueryName: "example.com"→ Identifies the domain being queried.
    QueryStatus: "NoError"→ Indicates whether the query was successful or encountered an error.
```

EVENT ID 23: FILE DELETE

```
EventID: 23
EventName: File Delete
Logs:
  - UtcTime: "2024-03-31 18:00:00"
    ProcessGuid: "ABCDEFGH-1234-5678-9012-IJKLMNOPQRST"
    ProcessId: 14001
    Image: "C:\\Windows\\System32\\cmd.exe"
    TargetFilename: "C:\\Users\\User\\Documents\\example.txt"
```

ProcessGuid → Identifies the process responsible for the deletion.

ProcessId → Unique process identifier.

Image → Indicates the program performing the deletion.

TargetFilename → Specifies the file that was deleted.

EVENT ID 15: FILE CREATE STREAM HASH

```
EventID: 15
EventName: File Create Stream Hash
Logs:
  - UtcTime: "2024-03-31 18:05:00"
    ProcessGuid: "ABCDEFGH-1234-5678-9012-IJKLMNOPQRST"
    ProcessId: 15001
    Image: "C:\\Windows\\System32\\notepad.exe"
    TargetFilename: "C:\\Users\\User\\Documents\\example.txt"
    StreamName: "stream1"
    Hash: "SHA256: 0123456789abcdef0123456789abcdef0123456789abcdef0123456789abcdef"
```

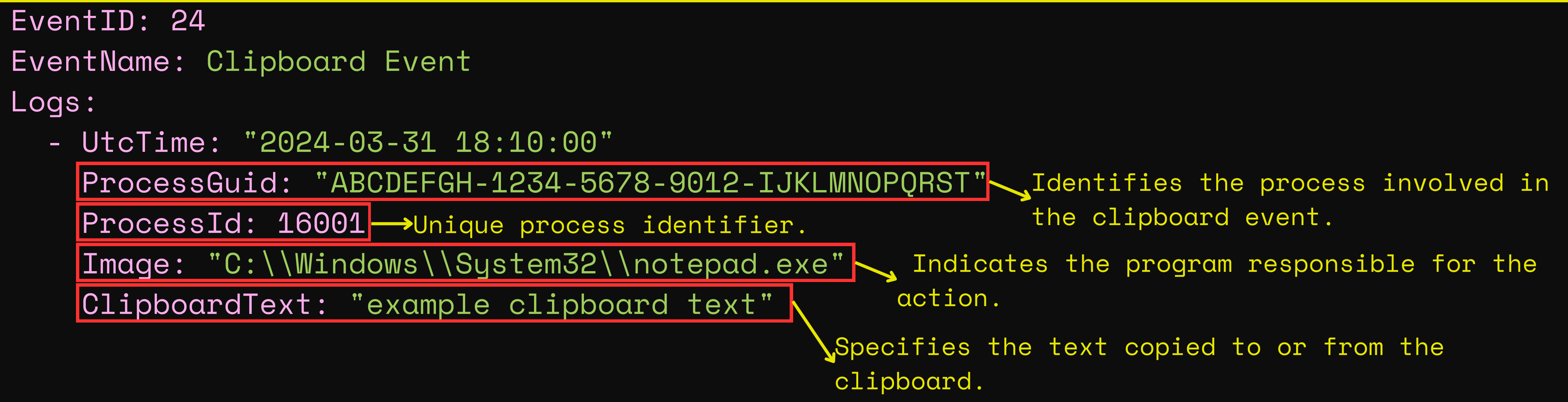
ProcessGuid → Identifies the process that created the file stream.

ProcessId → Unique process identifier.

Image → Indicates the program responsible for the action.

TargetFilename → Indicates the program responsible for the action.

EVENT ID 24: CLIPBOARD EVENT



```
EventID: 24
EventName: Clipboard Event
Logs:
  - UtcTime: "2024-03-31 18:10:00"
    ProcessGuid: "ABCDEFGH-1234-5678-9012-IJKLMNOPQRST"
    ProcessId: 16001
    Image: "C:\\Windows\\System32\\notepad.exe"
    ClipboardText: "example clipboard text"
```

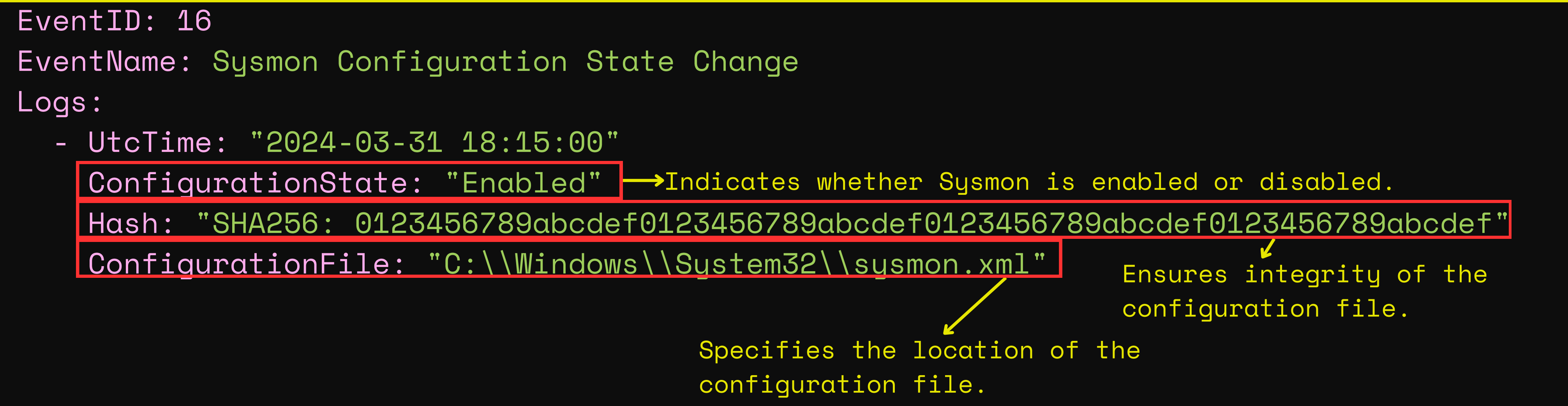
Identifies the process involved in the clipboard event.

Unique process identifier.

Indicates the program responsible for the action.

Specifies the text copied to or from the clipboard.

EVENT ID 16: SYSMON CONFIGURATION STATE CHANGE



```
EventID: 16
EventName: Sysmon Configuration State Change
Logs:
  - UtcTime: "2024-03-31 18:15:00"
    ConfigurationState: "Enabled"
    Hash: "SHA256: 0123456789abcdef0123456789abcdef0123456789abcdef0123456789abcdef"
    ConfigurationFile: "C:\\Windows\\System32\\sysmon.xml"
```

Indicates whether Sysmon is enabled or disabled.

Ensures integrity of the configuration file.

Specifies the location of the configuration file.

EVENT ID 25: PROCESS TAMPERING

```
EventID: 25
EventName: Process Tampering
Logs:
  - UtcTime: "2024-03-31 18:20:00"
    ProcessGuid: "ABCDEFGH-1234-5678-9012-IJKLMNOPQRST"
    ProcessId: 17001
    Image: "C:\\Windows\\System32\\svchost.exe"
    TamperingType: "CodeInjection"
```

ProcessGuid → Identifies the process affected by tampering.

ProcessId → Unique process identifier.

Image → Indicates the program affected by tampering.

TamperingType → Specifies the method of process tampering.

EVENT ID 26: FILE DELETE DETECTED

```
EventID: 26
EventName: File Delete Detected
Logs:
  - UtcTime: "2024-03-31 18:25:00"
    ProcessGuid: "ABCDEFGH-1234-5678-9012-IJKLMNOPQRST"
    ProcessId: 18001
    Image: "C:\\Windows\\System32\\cmd.exe"
    TargetFilename: "C:\\Users\\User\\Documents\\example.txt"
```

ProcessGuid → Identifies the process responsible for file deletion.

ProcessId → Unique process identifier.

Image → Indicates the program responsible for the action.

TargetFilename → Specifies the file that was deleted.

EVENT ID 255: SYSMON ERROR

```
EventID: 255
EventName: Sysmon Error
Logs:
  - UtcTime: "2024-03-31 18:30:00"
    ErrorCode: 1001
    ErrorMessage: "Error: Unable to initialize driver."
```

ErrorCode: Identifies the type of error encountered.

ErrorMessage: Provides details about the error encountered.

CONFIGURATION OPTIONS:

```
ConfigurationOptions:
  ArchiveDirectory: "C:\\Sysmon\\Logs"
  CaptureClipboard: true
  DriverName: "SysmonDrv"
  HashAlgorithms: "SHA256,SHA1,MD5"
  DnsLookup: true
  CheckRevocation: true
  FieldSizes:
    - NetworkProtocol: 50
    - ImageLoaded: 100
    - ParentCommandLine: 150
  FilterOptions: "IncludeRegistry"
```

ArchiveDirectory: Determines where logs are stored, ensuring data retention.

CaptureClipboard: Monitors clipboard for potential data leaks.

DriverName: Identifies the Sysmon driver for system integration.

HashAlgorithms: Specifies hash algorithms for file integrity verification.

DnsLookup: Logs DNS queries for network monitoring.