

Practical Malware Analysis & Triage

Malware Analysis Report

Remote Access Trojan Malware

Aug. 2022 | eyyys3c | v1.0

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# Executive Summary

|  |  |
| --- | --- |
| SHA256 hash | 248d491f89a10ec3289ec4ca448b19384464329c442bac395f680c4f3a345c8c |

Remote Access Trojans (RATs) are malware designed to allow an attacker to remotely control an infected computer. In this sample, the malware will start to query a specific call back URL to download the initial payload *msdcorelib.exe* which will also open a listening socket on the infected machine.

URL: http://serv1.ec2-102-95-13-2-ubuntu.local/

Open listening socket on port 5555

msdcorelib.exe

# Malware Composition

RAT consists of the following components:

|  |  |
| --- | --- |
| File Name | SHA256 Hash |
| msdcorelib.exe | 0a1ae65540bfbe339805376eff97a85fb56660553916c5ada835c543f7a141e3 |

msdcorelib.exe

The executable that runs after a successfully connecting to the callback URL

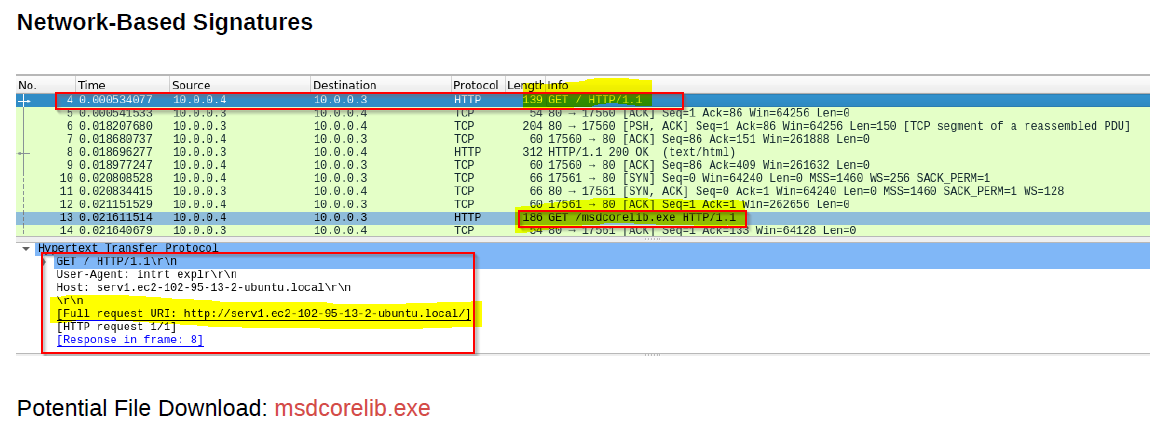
# Basic Static Analysis

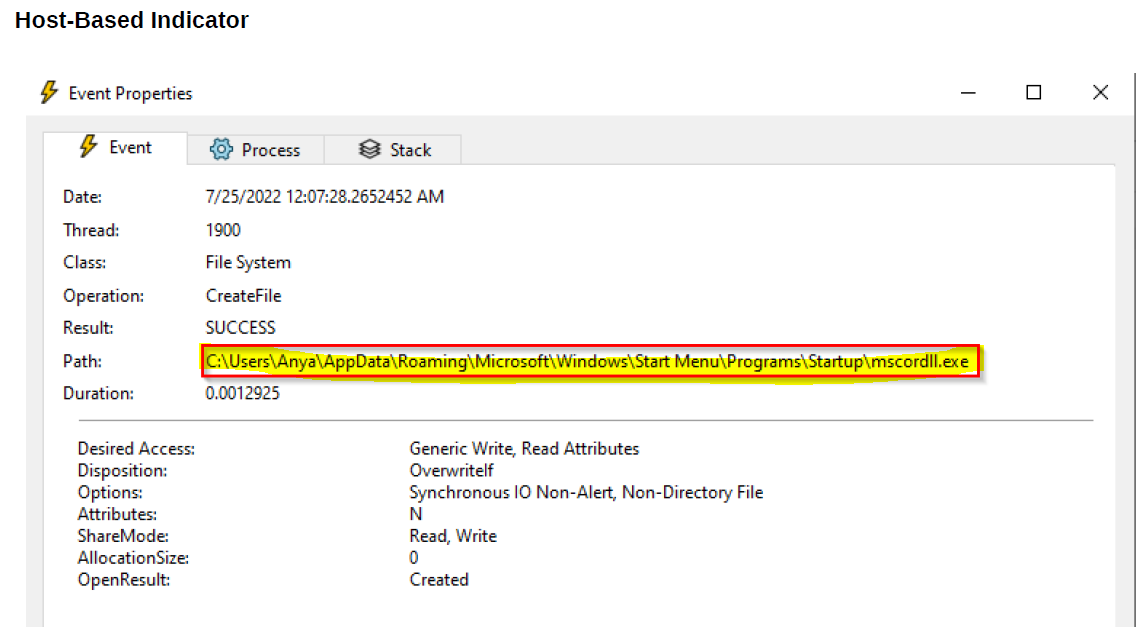
# Floss/Strings

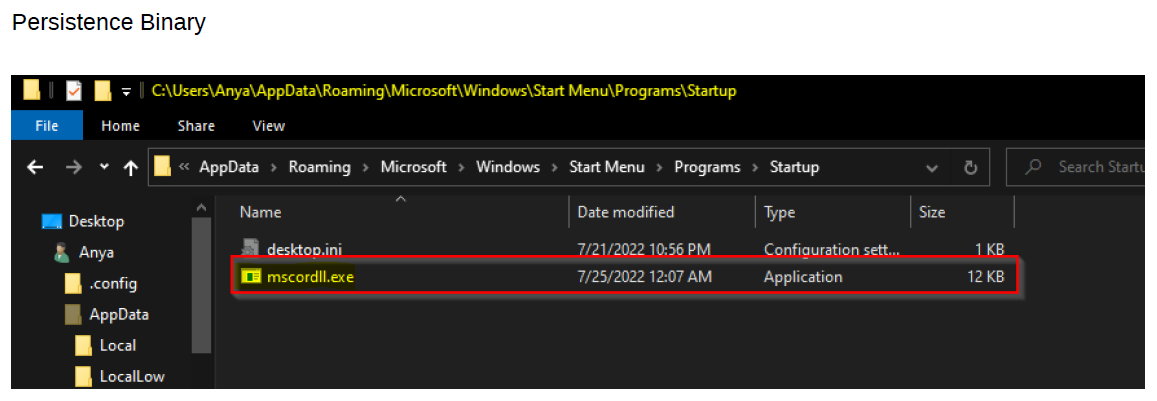
# 

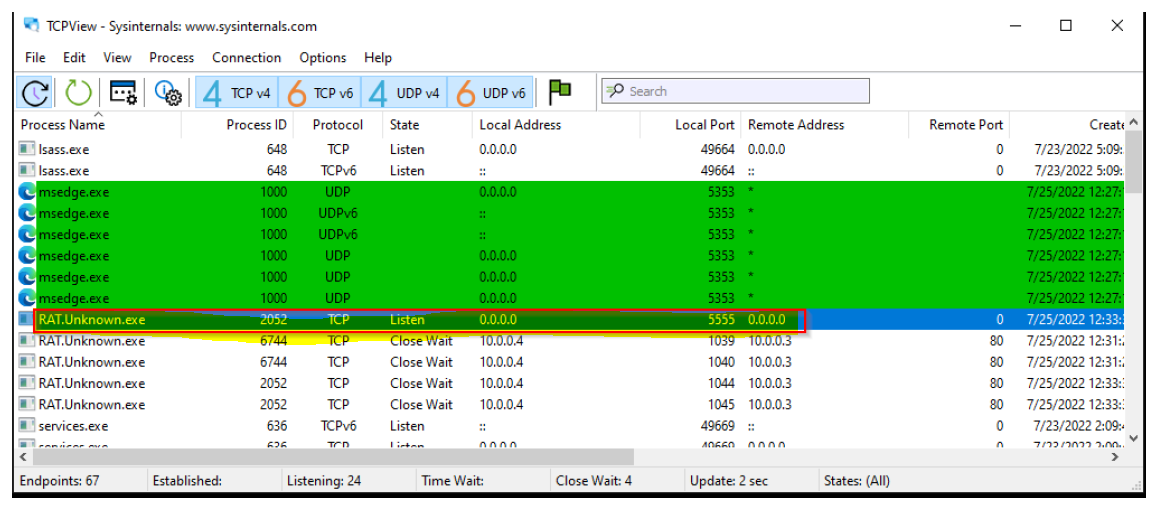
# 

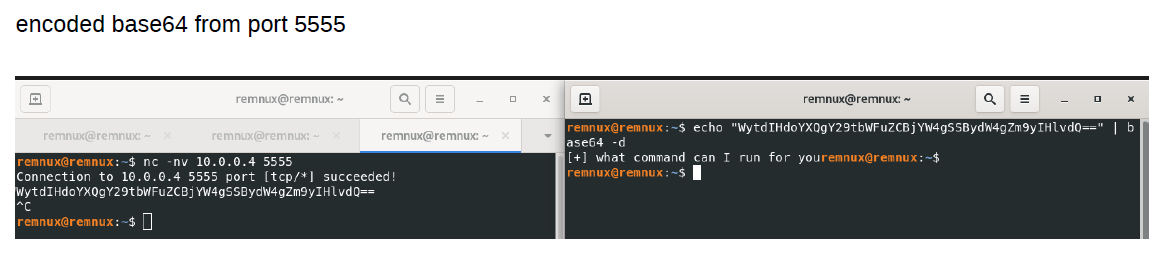
# Basic Dynamic Analysis

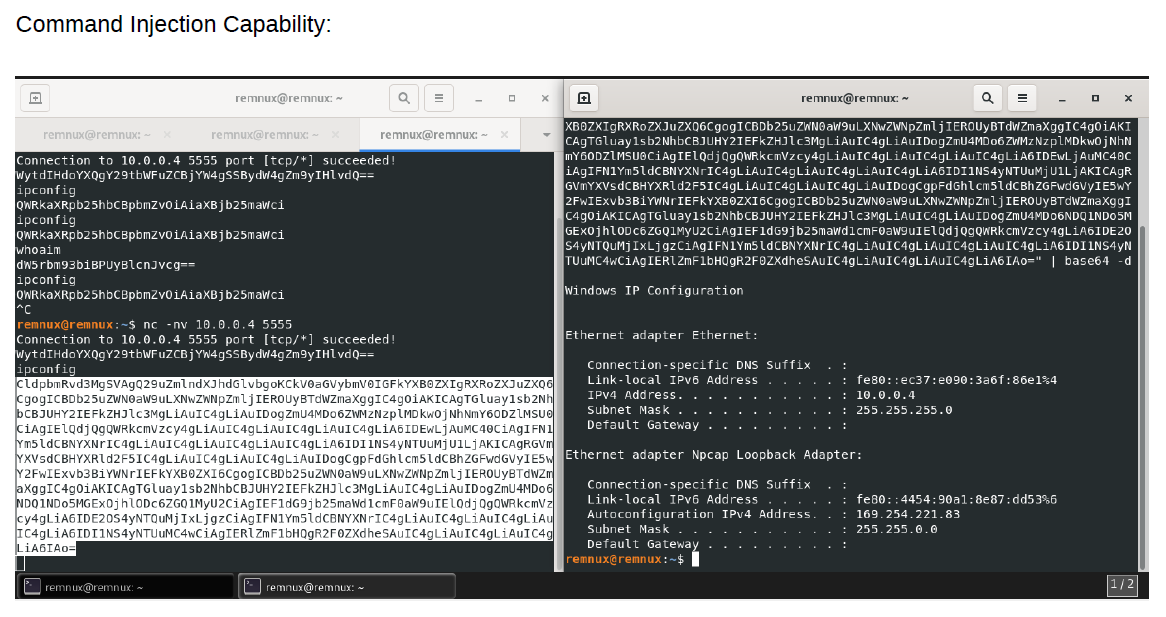




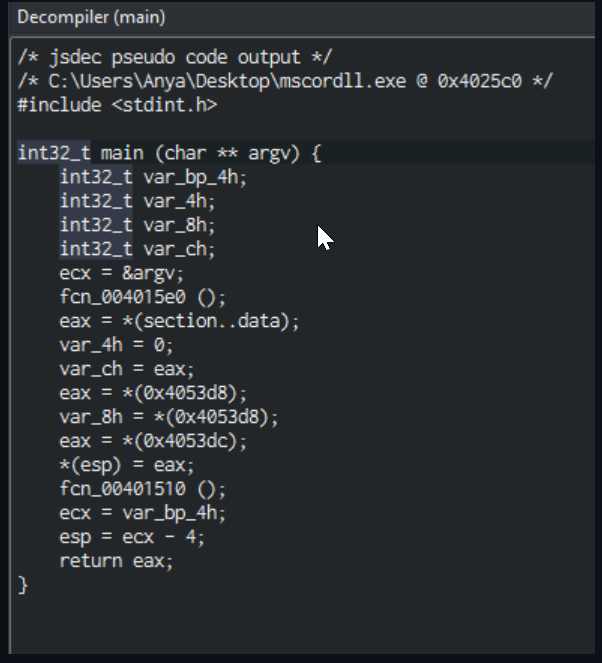
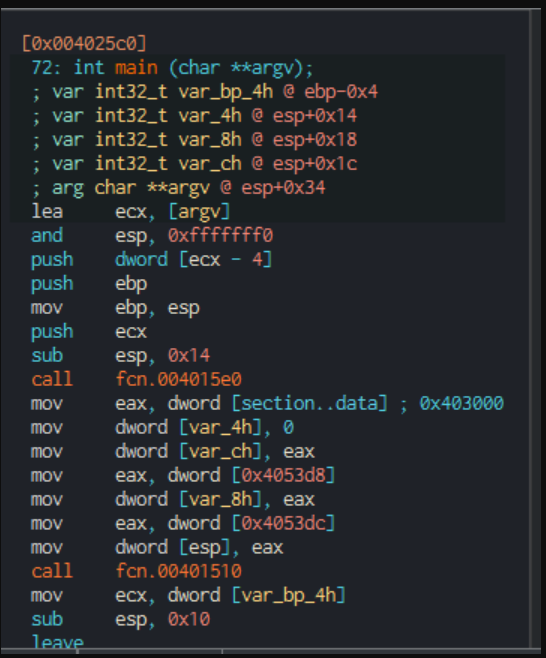




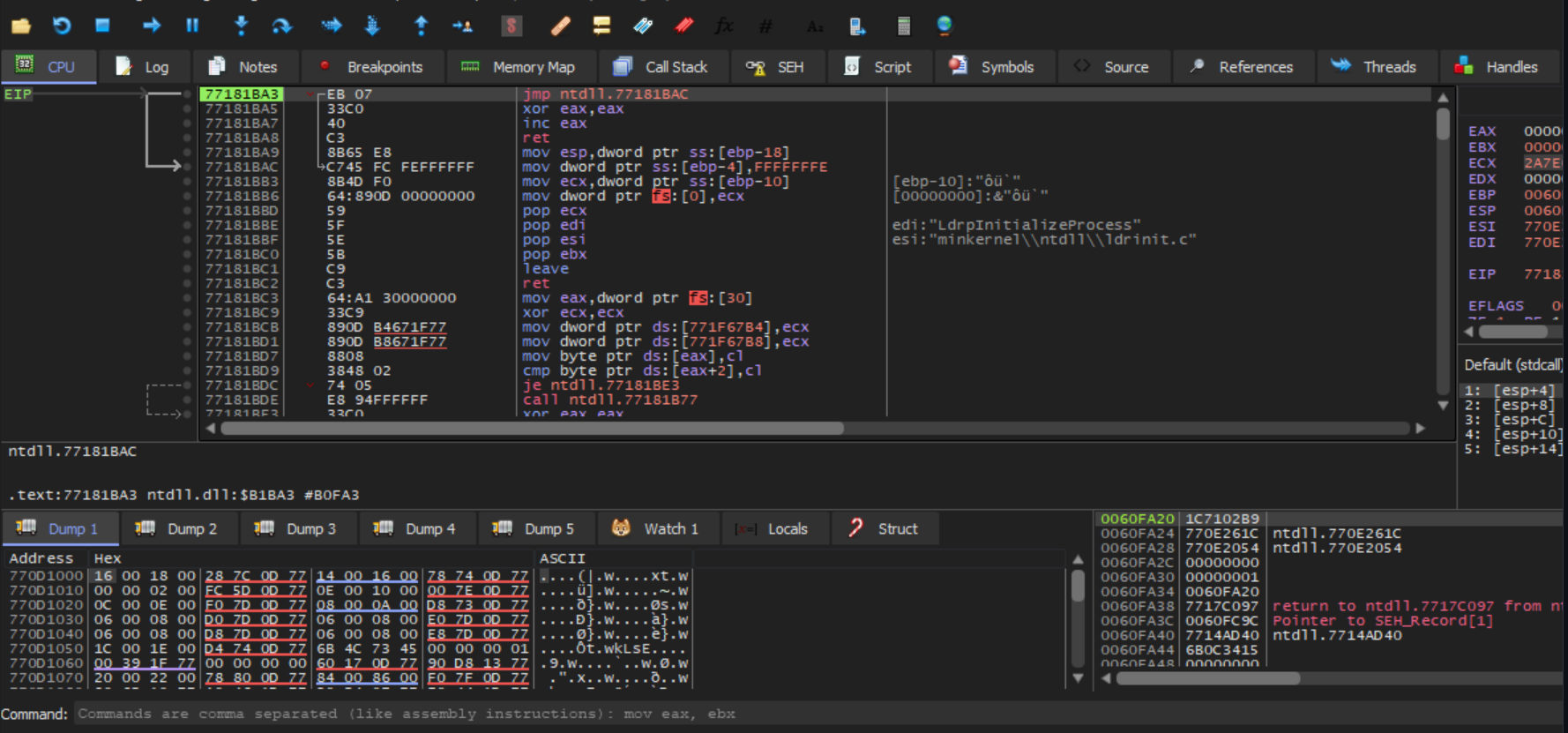




# Advanced Static Analysis



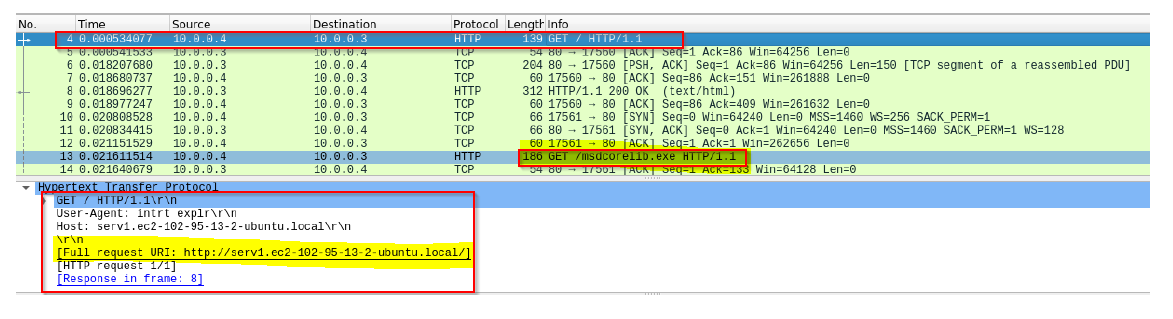
# Advanced Dynamic Analysis



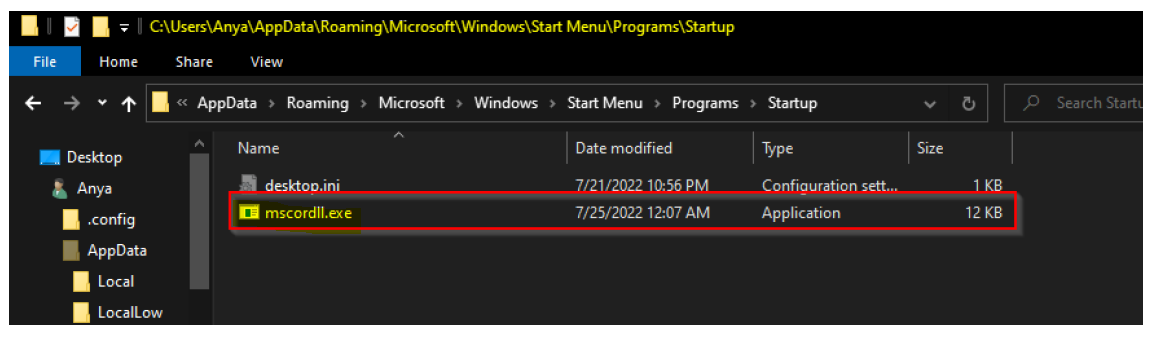
# Indicators of Compromise

The full list of IOCs can be found in the Appendices.

## Network Indicators

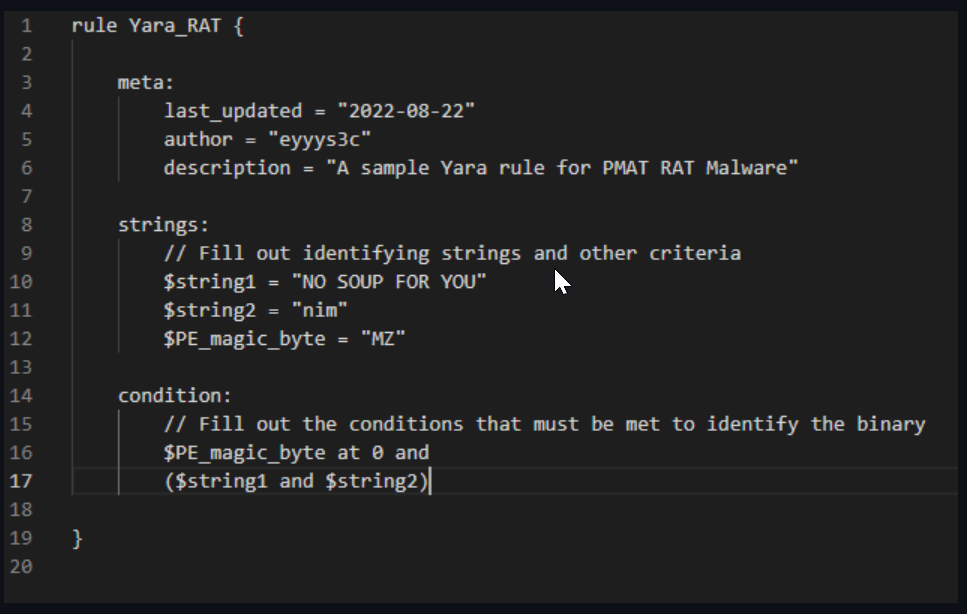


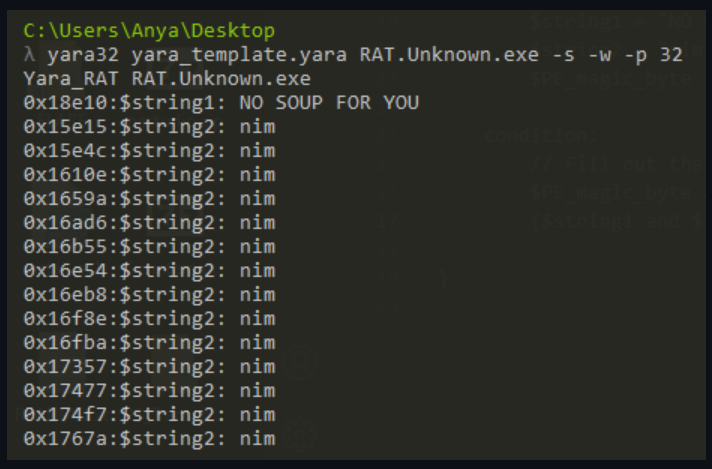
## Host-based Indicators



# Rules & Signatures

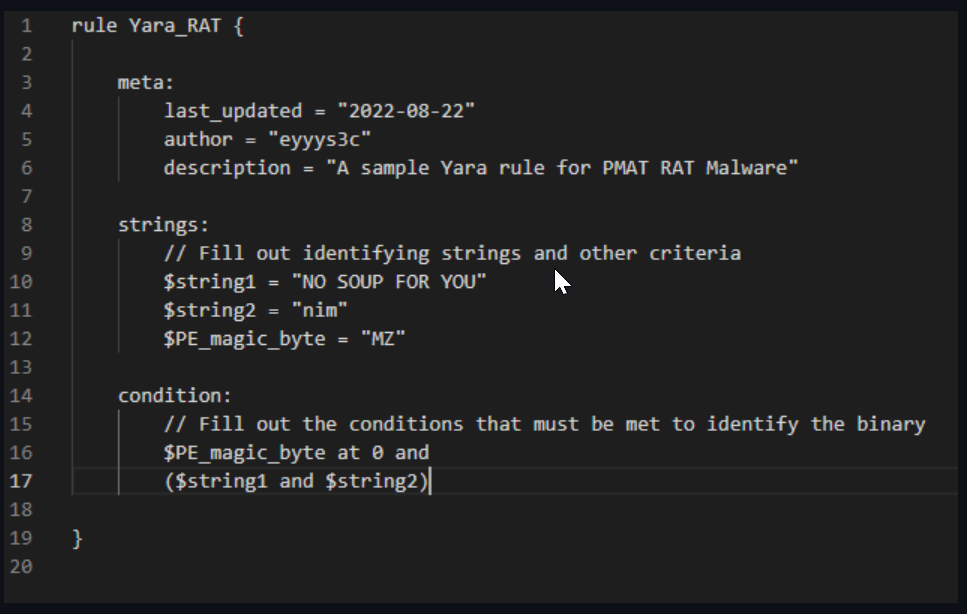
A full set of YARA rules is included in Appendix A.





# Appendices

## Yara Rules



## Callback URLs

|  |  |
| --- | --- |
| Domain | Port |
| hxxp://serv1.ec2-102-95-13-2-ubuntu.local/ | 80 |

## Decompiled Code Snippets

