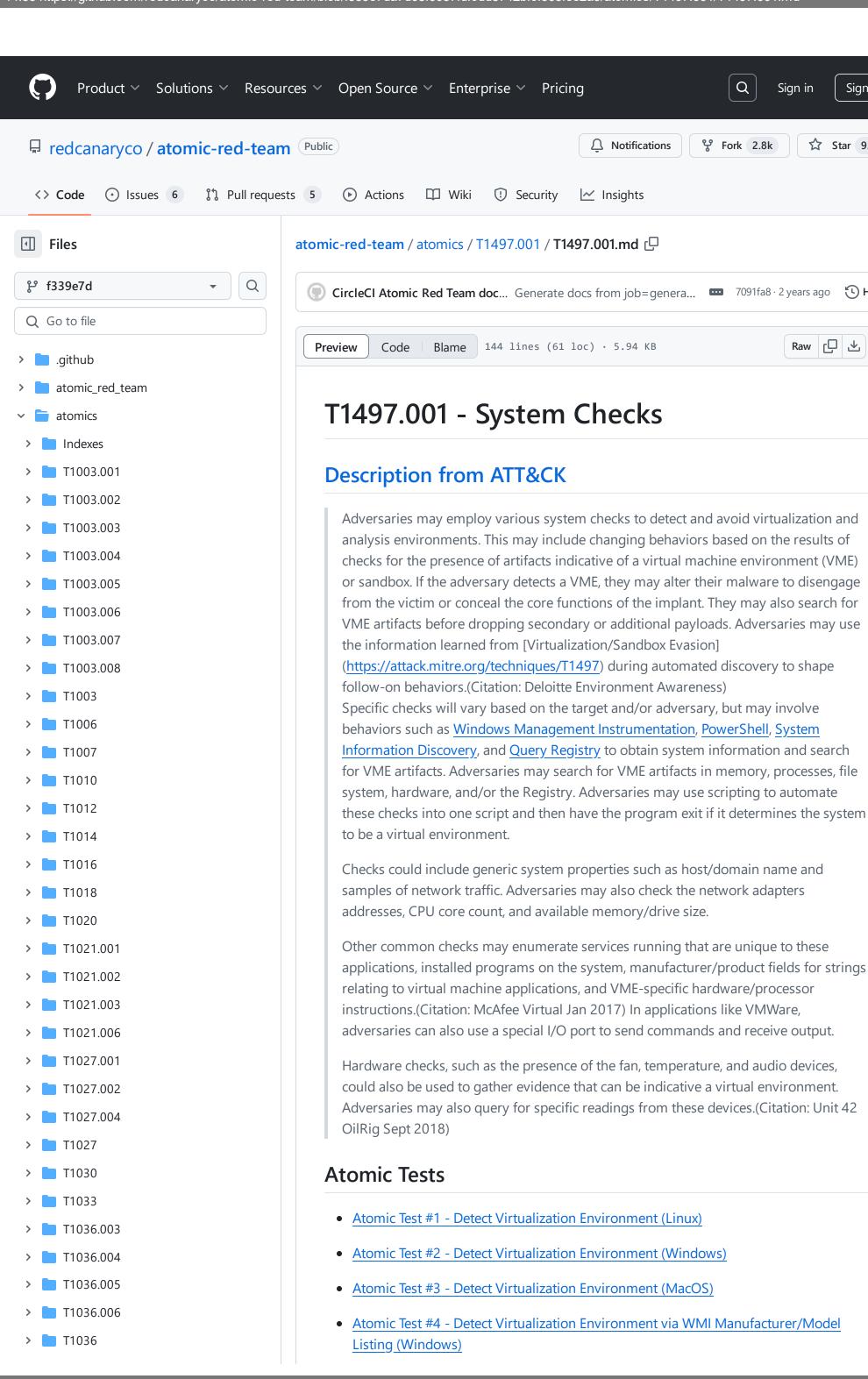
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> T1037.001

> T1037.002

> T1037.004

> T1037.005

> **T1039** 

> T1040

### **Atomic Test #1 - Detect Virtualization Environment (Linux)**

systemd-detect-virt detects execution in a virtualized environment. At boot, dmesg stores a log if a hypervisor is detected.

**Supported Platforms:** Linux

auto\_generated\_guid: dfbd1a21-540d-4574-9731-e852bd6fe840

Attack Commands: Run with sh! Elevation Required (e.g. root or admin)

if (systemd-detect-virt || sudo dmidecode | egrep -i 'manufacturer|produ ☐

### Atomic Test #2 - Detect Virtualization Environment (Windows)

Windows Management Instrumentation(WMI) objects contains system information which helps to detect virtualization. This command will specifically attempt to get the CurrentTemperature value from this object and will check to see if the attempt results in an error that contains the word supported. This is meant to find the result of Not supported, which is the result if run in a virtual machine

Supported Platforms: Windows

auto\_generated\_guid: 502a7dc4-9d6f-4d28-abf2-f0e84692562d

Attack Commands: Run with powershell!

```
$error.clear()
Get-WmiObject -Query "SELECT * FROM MSAcpi_ThermalZoneTemperature" -Erro
if($error) {echo "Virtualization Environment detected"}
```

#### **Cleanup Commands:**

\$error.clear()

# Atomic Test #3 - Detect Virtualization Environment (MacOS)

ioreg contains registry entries for all the device drivers in the system. If it's a virtual machine, one of the device manufacturer will be a Virtualization Software.

Supported Platforms: macOS

auto\_generated\_guid: a960185f-aef6-4547-8350-d1ce16680d09

Attack Commands: Run with sh!

if (ioreg -l | grep -e Manufacturer -e 'Vendor Name' | grep -iE 'Oracle| 🚨

# Atomic Test #4 - Detect Virtualization Environment via WMI Manufacturer/Model Listing (Windows)

Windows Management Instrumentation(WMI) objects contain system information which helps to detect virtualization. This test will get the model and manufacturer of the machine to determine if it is a virtual machine, such as through VMware or VirtualBox.

Supported Platforms: Windows

auto\_generated\_guid: 4a41089a-48e0-47aa-82cb-5b81a463bc78

Attack Commands: Run with powershell!

```
$Manufacturer = Get-WmiObject -Class Win32_ComputerSystem | select-object $Model = Get-WmiObject -Class Win32_ComputerSystem | select-object -expa if((($Manufacturer.ToLower() -eq "microsoft corporation") -and ($Model.To
```