

Install SGX

Ensure your hardware is [Hardware Compliance](#) .

If you're running a local machine and not a cloud-based VM -

1. Go to your BIOS menu
2. Enable SGX (Set to "YES", it's not enough to set it to "software controlled")
3. Disable Secure Boot
4. Disable Hyperthreading
- 5.

Installation

Install SGX

Note:sgx_linux_x64_driver_2.11.0_2d2b795.bin is the latest driver as of August 24th, 2021. Please check under <https://download.01.org/intel-sgx/sgx-linux/> that this is still the case. If not, please send us a PR or notify us.

If you are a node runner all you must do to install SGX is to save this as a script and run it.

1. Download the SGX install script.
- 2.

```
...  
Copy wgethttps://raw.githubusercontent.com/SecretFoundation/docs/main/docs/node-guides/sgx
```

```
...  
Execute the script.
```

```
...  
Copy sudobashsgx
```

```
...  
Testing your SGX setup
```

```
Runsecretd init-enclave
```

```
SeeVerify SGX for a guide how to test your setup.
```

```
Uninstall
```

```
To uninstall the Intel(R) SGX Driver, run:
```

```
...  
Copy sudo /opt/intel/sgxdriver/uninstall.sh
```

```
...  
The above command produces no output when it succeeds. If you want to verify that the driver has been uninstalled, you  
can run the following, which should printSGX Driver NOT installed :
```

```
...  
Copy ls /dev/isgx &>/dev/null && echo "SGX Driver installed" || echo "SGX Driver NOT installed"
```

```
...  
To uninstall the SGX SDK, run:
```

```
...  
Copy sudo "HOME"/.sgxsdk/sgxsdk/uninstall.sh rm -rf "HOME"/.sgxsdk"
```

To uninstall the rest of the dependencies, run:

...

```
Copy sudo apt purge -y libsgx-enclave-common libsgx-enclave-common-dev libsgx-urts sgx-aesm-service libsgx-uae-  
service libsgx-launch libsgx-aesm-launch-plugin libsgx-ae-le
```

...

Refs

1. <https://github.com/apache/incubator-teaclave-sgx-sdk/wiki/Environment-Setup>
2. https://github.com/openenclave/openenclave/blob/master/docs/GettingStartedDocs/install_oe_sdk-Ubuntu_18.04.md
3. <https://github.com/apache/incubator-teaclave-sgx-sdk/blob/783f04c002e243d1022c5af8a982f9c2a7138f32/dockerfile/Dockerfile.1804.nightly>
4. <https://edp.fortanix.com/docs/installation/guide/>
- 5.

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