



# Intel® Acceleration Stack 2.0.1.3 Patch Release Notes

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## *Intel® FPGA Programmable Acceleration Card D5005*

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# 1.0 Intel Acceleration Stack 2.0.1.3 Patch Release Notes

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This document provides information about Intel® Acceleration Stack v2.0.1 Patch D5005-2-0-1-3 for the Intel® FPGA Programmable Acceleration Card (PAC) D5005.

## 1.1 Related Documents

**Table 1-1. Related Documents**

Document	Part Number
<a href="#">Intel Acceleration Stack for Intel Xeon CPU with FPGAs Version 2.0.1 Release Notes: Intel FPGA Programmable Acceleration Card D5005</a>	683046

## 1.2 Prerequisites

Installed Intel Acceleration Software Stack for D5005 PAC v2.0.1, Patch D5005-2-0-1-2

## 1.3 Patch Features

PACSign Tool support to newer OpenSSL library, includes latest security updates. PACSign is no longer Supported on RHEL 7.6, use PACSign on Ubuntu 18.04 or RHEL 8.2 to sign or un-sign binaries.

## 1.4 Patch Installation

Before installing the patch package, ensure that you have downloaded the update2 d5005\_patch\_2.0.1.3.tar.gz from Intel® FPGA PAC D5005 Acceleration Stacks v2.0.1 Downloads page, Updates section

### 1.4.1 Patch Installation for Ubuntu 18.04

1. Confirm the current version of Intel Acceleration Stack for D5005 PACSign by executing the following command:

```
dpkg --list | grep opae
```

2. The current version should reflect the following

```
python3-opae.pacsign 1.0.4 all PacSign for Intel FPGA PAC devices.
```

3. Remove opae-pac\_sign

```
sudo apt-get remove python3-opae-pac-sign
```

4. Confirm the removal of above Packages from OPAE Software Stack. The following command should return above Packages, except for the one removed.

```
dpkg --list | grep opae
```

5. Extract patch from zip tar ball file, d5005\_patch\_2.0.1.3.tar.gz.

```
tar xvf d5005_patch_2.0.1.3.tar.gz
```

6. Change directory to where the new Packages are stored.

```
cd d5005_patch_2.0.1.3
```

7. Change directory to Ubuntu18.04 subfolder

```
cd Ubuntu18.04
```

8. Install updated opae.pac\_sign

```
sudo dpkg --install python3-pacsign_1.0.7_amd64.deb
```

9. Confirm correct OPAE version installation

```
dpkg --list | grep pacsign
```

10. New version should reflect the following

```
python3-pacsign 1.0.7 amd64 OPAE Utility
```

## 1.4.2 Patch Installation for RHEL 8.x

1. Confirm the current version of Intel Acceleration Stack for D5005 PACSign by executing the following command:

```
rpm -qa | grep opae
```

2. The current version should reflect the following RPMs with e17 or e18 before the x86\_64

```
opae.admin-1.0.3-2.noarch  
opae-tools-extra-1.3.7-5.x86_64  
opae-devel-1.3.7-5.x86_64  
opae-intel-fpga-driver-2.0.1-10.x86_64  
opae-tools-1.3.7-5.x86_64  
opae.pac_sign-1.0.4-4.x86_64  
opae-libs-1.3.7-5.x86_64
```

3. Remove opae.pac\_sign

```
sudo yum remove opae.pac_sign-1.0.4-4.*.x86_64
```

4. Confirm the removal of above RPMs from OPAE Software Stack. The following command should return above RPMs, except for the one removed.

```
rpm -qa | grep opae
```

5. Extract patch from zip tar ball file, d5005\_patch\_2.0.1.3.tar.gz.

```
tar xvf d5005_patch_2.0.1.3.tar.gz
```

6. Change directory to where the new RPMs are stored.

```
cd d5005_patch_2.0.1.3
```

7. Change directory to RHEL8.x subfolder

```
cd RHEL8.x
```

8. Install updated opae.pac\_sign

```
sudo yum localinstall pacsign-1.0.7-1.e18.noarch.rpm
```

9. Confirm correct OPAE version installation

```
rpm -qa | grep pacsign
```

10. New version should reflect the following

```
pacsign-1.0.7-1.e17.noarch
```

## 2.0 Document Revision History

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Date	Changes
2021.06.21	Initial release.
2022.10.21	Patch D5005-2-0-1-3 release