



Intel® Acceleration Stack 1.2.1.2 Patch Release Notes

Intel® Programmable Acceleration Card with Arria 10 GX FPGA

Version: **2.0**

Last updated: **October 21, 2022**



You may not use or facilitate the use of this document in connection with any infringement or other legal analysis concerning Intel products described herein.

No license (express or implied, by estoppel or otherwise) to any intellectual property rights is granted by this document.

All information provided here is subject to change without notice. Contact your Intel representative to obtain the latest Intel product specifications and roadmaps.

The products described may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.

Intel Corporation. All rights reserved. Intel, the Intel logo, and other Intel marks are trademarks of Intel Corporation or its subsidiaries. Intel warrants performance of its FPGA and semiconductor products to current specifications in accordance with Intel's standard warranty, but reserves the right to make changes to any products and services at any time without notice. Intel assumes no responsibility or liability arising out of the application or use of any information, product, or service described herein except as expressly agreed to in writing by Intel. Intel customers are advised to obtain the latest version of device specifications before relying on any published information and before placing orders for products or services.

*Other names and brands may be claimed as the property of others.

Copyright © 2022, Intel Corporation. All rights reserved.

Contents

1.0	Intel Acceleration Stack 1.2.1.2 Patch Release Notes	5
1.1	Related Documents	5
1.2	Prerequisites	5
1.3	Patch Features.....	5
1.4	Patch Installation	5
	1.4.1 Patch Installation for Ubuntu 18.04.....	6
2.0	Document Revision History	7



List of Tables

Table 1-1. Related Documents5



1.0 Intel Acceleration Stack 1.2.1.2 Patch Release Notes

This document provides information about Intel® Acceleration Stack v1.2.1 Patch Arria10GX-1-2-1-2 for the Intel® Programmable Acceleration Card (PAC) with Arria 10 GX FPGA.

1.1 Related Documents

Table 1-1. Related Documents

Document	Part Number
Intel Acceleration Stack for Intel Xeon CPU with FPGAs Version 1.2.1 Release Notes: Intel FPGA Programmable Acceleration Card with Arria 10 GX FPGA	683480

1.2 Prerequisites

Installed Intel Acceleration Software Stack for Arria 10 GX FPGA PAC v1.2.1, Patch Arria10GX-1-2-1-1

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 to sign or unsign binaries.

1.4 Patch Installation

Before installing the patch package, ensure that you have downloaded the update2 arria10gx_patch_1.2.1.2.tar.gz from Intel® PAC Arria 10 GX FPGA Acceleration Stacks v1.2.1 Downloads page, Updates section.

1.4.1 Patch Installation for Ubuntu 18.04

1. Confirm the current version of Intel Acceleration Stack for Arria 10 GX FPGA 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, arria10gx_patch_1.2.1.2.tar.gz.

```
tar xvf arria10gx_patch_1.2.1.2.tar.gz
```

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

```
cd arria10gx_patch_1.2.1.2
```

7. Change directory to Ubuntu 18.04 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
```

2.0 Document Revision History

Date	Changes
2021.06.21	Initial release.
2022.10.21	Patch Arria10GX-1-2-1-2 release