Version 2.3

03-November-2020

Modes:

The modes are applicable for both offline and online OS installation methods.
1. Auto (by Default)
2. Manual

Auto:

 The user will just run the Testcase script will take care of everything for you.

Manual:

 The user will create a folder under C: drive called Inventory under that create a config file named sut_inventory.cfg and should add the following things.

User should add all the ssd names that are connected on the system the .cfg file mandatorily, then the user should trigger the script for os installation.

```
[sut_information]
mode = manual
usb_name_1 = xxxxxxxxxx
usb_size = 32
ssd_name_1 = xxxxxxxxx
ssd_name_2 = xxxxxxxxx
ssd_name_3 = xxxxxxxxx
ssd_name_4 = xxxxxxxxx
```

1. Pre-Downloaded OS,Software and IFWI & BMC & CPLD Package: (Offline)

In this method user have already downloaded the base operating system, software and IFWI packages in host-machine and wants to make use of it.

Linux:- RHEL:

Syntax: python paiv_rhel_os_offline_installation.py --LOCAL_OS_PACKAGE_LOCATION "C:\xxx_OSpackage.zip" --LOCAL_SOFTWARE_PACKAGE_LOCATION "C:\xxxx_SWpackage.zip"

Example: python paiv_rhel_os_offline_installation.py --LOCAL_OS_PACKAGE_LOCATION "C:\os_package\8.2.0-x86_64-dvd_FRE_IA-64_EGS-SRV-RHEL-20.36.1.19873.zip" --LOCAL_SOFTWARE_PACKAGE_LOCATION "C:\os_package\EGS-SRV-RHEL-20.36.1.19873_SWpackage.zip"

Linux:- CentOS:-

Syntax: python paiv_cent_os_offline_installation.py --LOCAL_OS_PACKAGE_LOCATION "C:\xxx_OSpackage.zip" --LOCAL_SOFTWARE_PACKAGE_LOCATION "C:\xxxx_SWpackage.zip"

Windows:-wim

Syntax: python paiv_win_os_offline_installation.py --LOCAL_OS_PACKAGE_LOCATION "C:\xxx_OSpackage.wim"

Example: python paiv_win_os_offline_installation.py --LOCAL_OS_PACKAGE_LOCATION "C:\dump_os_pack\17763Win2019_RS5_OEMRET_FRE_IA-64_EGS-SRV-WS2019-20.37.4.20820.wim"

Esxi:

Syntax: python paiv_esxi_os_offline_installation.py --LOCAL_OS_PACKAGE_LOCATION "C:\xxx_OSpackage.zip" --LOCAL_SOFTWARE_PACKAGE_LOCATION "C:\xxxx_SWpackage.zip"

Example: python paiv_esxi_os_offline_installation.py --LOCAL_OS_PACKAGE_LOCATION " C:\os_package\vmvisor-installer-with-test-certs-7.0.1-16358407.x86_64-v2_FRE_IA-64_EGS-SRV-ESXI-20.35.2.19153.zip" --LOCAL_SOFTWARE_PACKAGE_LOCATION "C:\os_package\EGS-SRV-ESXI-20.35.2.19153_SWpackage.zip"

IFWI flashing:

Syntax: python paiv_ifwi_flashing_offline.py --LOCAL_IFWI_IMG_PATH "C:\xxx_IFWIpackage.zip"

Example: python paiv_ifwi_flashing_offline.py --LOCAL_IFWI_IMG_PATH "C:\IFWI_Image\EGSDCRB1.SYS.OR.64.2020.39.7.18.1136_SPR_EBG_SPS.zip"

Syntax: python paiv_bmc_flashing_banino_offline.py --LOCAL_IFWI_IMG_PATH "C:\xxx_BMCpackage.zip"

Giving bmc Firmware package Location From local system

python paiv_bmc_flashing_banino_offline.py --LOCAL_BMC_IMG_PATH "C:\IFWI_Image\OBMC-egs-0.16-0-g6cb381-e37eb79.zip"

Directly Giving Predownloaded BMC image

python paiv_bmc_flashing_banino_offline.py --LOCAL_BMC_IMG_PATH "C:\IFWI_Image\OBMC-egs-0.16-0-g6cb381-e37eb79-pfr-full.ROM"

BMC Flashing:- Redfish

Syntax: python paiv_bmc_flashing_redfish_offline.py --LOCAL_BMC_IMG_PATH "C:\xxxbmc.zip"

Giving bmc oob Firmware package Location From local system

python paiv_bmc_flashing_redfish_offline.py --LOCAL_BMC_IMG_PATH "C:\BMC_IFWI_Image\OBMC-egs-0.16-0-g6cb381-e37eb79.zip"

python paiv_bmc_flashing_redfish_offline.py --LOCAL_BMC_IMG_PATH "C:\BMC_IFWI_Image\OBMC-egs-0.15-0-g7beaf7-e37eb79.7z"

Directly Giving Predownloaded BMC oob image

python paiv_bmc_flashing_redfish_offline.py --LOCAL_BMC_IMG_PATH "C:\BMC_IFWI_Image\OBMC-egs-0.16-0-g6cb381-e37eb79-pfr-oob.bin"

CPLD FLASHING:

Giving main and secondary cpld image Location From local system

Syntax: python paiv_cpld_flashing_offline.py --LOCAL_CPLD_MAIN_IMG_PATH "C:\XXX.zip" --LOCAL_CPLD_SECONDARY_IMG_PATH "C:\XXX.zip"

Examples:- python paiv_cpld_flashing_offline.py --LOCAL_CPLD_MAIN_IMG_PATH "C:\cpld_frimware\MainFpga_2vA.zip" --LOCAL_CPLD_SECONDARY_IMG_PATH "C:\cpld_frimware\ac_rp_fab3_SecondaryFpga_0v7.zip"

Directly Giving Predownloaded cpld main and secondary cpld image

Example

python paiv_cpld_flashing_offline.py --LOCAL_CPLD_MAIN_IMG_PATH "C:\cpld_frimware\ac_rp_fab3_MainFpga_2vA.pof" --LOCAL_CPLD_SECONDARY_IMG_PATH "C:\cpld_frimware\ac_rp_fab3_SecondaryFpga_0v7.pof"

2. Direct Download of Software PKG, Base OS and IFWI & CPLD and BMC PKG from Artifactory (Online)

In this method user have the Artifactory link of base operating system and Software package for Linux and esxi, windows .wim and IFWI package artifactory URL.

Linux:-RHEL

Syntax: python paiv_rhel_os_online_installation.py --ATF_PATH_SFT_PKG "https://xxx_SoftwarePackage.zip" --ATF_PATH_OS_PKG "https://xxx_OSPackage.zip"

Example: python paiv_rhel_os_online_installation.py --ATF_PATH_SFT_PKG "https://ubit-artifactory-ba.intel.com/artifactory/dcg-dea-srvplat-local/Kits/EGS-SRV-RHEL/EGS-SRV-RHEL-20.36.1.19873/Images/EGS-SRV-RHEL-20.36.1.19873_SWpackage.zip" --ATF_PATH_OS_PKG https://ubit-artifactory-ba.intel.com/artifactory/dcg-dea-srvplat-local/Kits/EGS-SRV-RHEL/EGS-SRV-RHEL-20.36.1.19873/Images/8.2.0-x86_64-dvd_FRE_IA-64_EGS-SRV-RHEL-20.36.1.19873.zip

Linux:–CentOS

Syntax: python paiv_cent_os_online_installation.py --ATF_PATH_SFT_PKG "https://xxx_SoftwarePackage.zip"

--ATF_PATH_OS_PKG "https://xxx_OSPackage.zip"

Example: python paiv_cent_os_online_installation.py --ATF_PATH_SFT_PKG " https://ubit-artifactory-ba.intel.com/artifactory/dcg-dea-srvplat-local/Kits/EGS-SRV-CentOS/EGS-SRV-CENTOS-20.44.3.25132/Images/EGS-SRV-CENTOS-20.44.3.25132_SWpackage.zip" --ATF_PATH_OS_PKG https://ubit-artifactory-ba.intel.com/artifactory/dcg-dea-srvplat-local/Kits/EGS-SRV-RHEL/EGS-SRV-RHEL-20.36.1.19873/Images/8.2.0-x86_64-dvd_FRE_IA-64_EGS-SRV-RHEL-20.36.1.19873.zip

Windows:

Syntax: python paiv_win_os_online_installation.py --ATF_PATH_OS_PKG "https://xxx_OSPackage.wim"

Example: python paiv_win_os_online_installation.py --ATF_PATH_OS_PKG https://ubit-artifactory-ba.intel.com/artifactory/dcg-dea-srvplat-local/Kits/EGS-SRV-WS2019/EGS-SRV-WS2019-20.37.4.20820/Images/17763Win2019_RS5_OEMRET_FRE_IA-64_EGS-SRV-WS2019-20.37.4.20820.wim

Esxi:

Syntax: python paiv_esxi_os_online_installation.py --ATF_PATH_SFT_PKG "https://xxx_SoftwarePackage.zip" --ATF_PATH_OS_PKG "https://xxx_OSPackage.zip"

Example: python paiv_esxi_os_online_installation.py --ATF_PATH_SFT_PKG https://ubit-artifactory-ba.intel.com/artifactory/dcg-dea-srvplat-local/Kits/EGS-SRV-ESXI/EGS-SRV-ESXI-20.35.2.19153/Images/EGS-SRV-ESXI-20.35.2.19153_SWpackage.zip --ATF_PATH_OS_PKG https://ubit-artifactory-ba.intel.com/artifactory/dcg-dea-srvplat-local/Kits/EGS-SRV-ESXI/EGS-SRV-ESXI-20.35.2.19153/Images/vmvisor-installer-with-test-certs-7.0.1-16358407.x86_64-v2_FRE_IA-64_EGS-SRV-ESXI-20.35.2.19153.zip

IFWI flashing:

Syntax: python paiv_ifwi_flashing_online.py --ATF_PATH_IFWI_PKG "https://xxx_IFWIpackage.zip"

Example: python paiv_ifwi_flashing_online.py --ATF_PATH_IFWI_PKG https://ubit-artifactory-sh.intel.com/artifactory/dcg-dea-srvplat-local/Kits/ICX-SRV-RHEL/ICX-SRV-RHEL-20.40.5.23102/Packages/IFWI/2020.29.2.02.0415_0017.d92/IFWI_2020.29.2.02.0415_0017.D92.zip

BMC Flashing:- Banino

Syntax: python paiv_bmc_flashing_banino_online.py --ATF_PATH_BMC_PKG "https://package.zip"

Example: python paiv_bmc_flashing_banino_online.py --ATF_PATH_BMC_PKG https://ubit-artifactory-ba.intel.com/artifactory/DEG-PSS-local/EagleStream_SapphireRapids_Post_Si/Firmwares/BMC/OBMC-egs-0.16-0-g6cb381-e37eb79.zip

BMC Flashing:- Redfish

Syntax:

python paiv_bmc_flashing_redfish_online.py --ATF_PATH_BMC_RED_PKG https://ATFBMC.zip"

Example:

python paiv_bmc_flashing_redfish_online.py --ATF_PATH_BMC_RED_PKG https://ubit-artifactory-ba.intel.com/artifactory/DEG-PSS-local/EagleStream_SapphireRapids_Post_Si/Firmwares/BMC/OBMC-egs-0.16-0-g6cb381-e37eb79.zip

python paiv_bmc_flashing_redfish_online.py --ATF_PATH_BMC_RED_PKG "https://ubit-artifactory-ba.intel.com/artifactory/DEG-PSS-local/EagleStream_SapphireRapids_Post_Si/Firmwares/BMC/OBMC-egs-0.15-0-g7beaf7-e37eb79.7z

CPLD Flashing:-

Syntax:

python paiv_cpld_flashing_online.py --ATF_PATH_CPLD_MAIN_PKG https://atf.zip
 --ATF_PATH_CPLD_SECONDARY_PKG https://atf.zip

Example:

python paiv_cpld_flashing_online.py --ATF_PATH_CPLD_MAIN_PKG https://ubit-artifactory-ba.intel.com/artifactory/dcg-dea-srvplat-local/Kits/EGS-SRV-RHEL/EGS-SRV-RHEL-20.45.2.25578/Packages/PLD_Main/pld_main_2va/MainFpga_2vA.zip --ATF_PATH_CPLD_SECONDARY_PKG https://ubit-artifactory-ba.intel.com/artifactory/dcg-dea-srvplat-local/Kits/EGS-SRV-RHEL/EGS-SRV-RHEL-20.45.2.25578/Packages/PLD_Modular/pld_modular_ac_rp_fab3_secondaryfpga_0v7/ac_rp_fab3_SecondaryFpga_0v7.zip