AMD

AMD ROCm™

Downloads Guide v5.0

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Chapter 1   ROCm Installation

AMD ROCm is the first open-source software development platform for HPC/Hyperscale-class GPU computing. AMD ROCm brings the UNIX philosophy of choice, minimalism and modular software development to GPU computing.

You may use the following installation methods to install ROCm:

- **Installer Script Method:** The Installer script method automates the installation process for the AMDGPU and ROCm stack
- **Package Manager Method:** The Package Manager method involves a manual set up of the repository, which includes cleaning up the system, updating and installing/uninstalling meta-packages using standard commands such as *yum, apt*, and others respective to the Linux distribution.

For detailed information about ROCm installation refer to the *ROCm Installation Guide*.

1.1   About This Document

This document is intended to provide the links to access the installer, AMDGPU and ROCm stack remote repositories for ROCm release 5.0.

Chapter 2   Access Installer, AMDGPU, ROCm Stack Remote Repositories

2.1   Download Installer Script

The Installer script method automates the installation process for the AMDGPU and ROCm stack. The Installer script handles the complete installation process for ROCm, including setting up the repository, cleaning the system, updating and installing the desired drivers and meta-packages. Installer can be downloaded from following urls:

2.1.1   Download the Installer Script

2.1.1.1   Ubuntu 18.04

```
https://repo.radeon.com/amdgpu-install/21.50/ubuntu/bionic/amdgpu-
install_21.50.50000-1_all.deb
```

2.1.1.2   Ubuntu 20.04

```
https://repo.radeon.com/amdgpu-install/21.50/ubuntu/focal/amdgpu-
install_21.50.50000-1_all.deb
```

2.1.1.3   RHEL/CentOS 7.9

```
https://repo.radeon.com/amdgpu-install/21.50/rhel/7.9/amdgpu-install-21.50.50000-
1.el7.noarch.rpm
```

2.1.1.4   RHEL 8.4 /CentOS 8.3

```
https://repo.radeon.com/amdgpu-install/21.50/rhel/8.4/amdgpu-install-21.50.50000-
1.el8.noarch.rpm
```

2.1.1.5   RHEL 8.5

```
https://repo.radeon.com/amdgpu-install/21.50/rhel/8.5/amdgpu-install-21.50.50000-
1.el8.noarch.rpm
```

2.1.1.6   SLES 15 Service Pack 3

```
https://repo.radeon.com/amdgpu-install/21.40/sle/15/amdgpu-install-21.40.40500-
1.noarch.rpm
```

2.2 AMDGPU and ROCm Stack Repositories

The AMDGPU and ROCm stack repositories are divided into two categories:

- Repositories with latest release packages
- Repositories for specific releases

Repositories with Latest Packages

These repositories contain the latest AMDGPU and ROCm packages available at the time. Based on the operating system's configuration, choosing this repository updates the packages automatically.

Repositories for Specific Releases

The release-specific repositories consist of packages from a specific release of the AMDGPU stack and ROCm stack. The repositories are not updated for the latest packages with subsequent releases. When a new ROCm release is available, the new repository, specific to that release, is added. Users can select a specific release to install, update the previously installed single version to the later available release, or add the latest version of ROCm and currently installed by using the multi-version ROCm packages.

2.2.1 Links to Access Repositories

Ubuntu 18.04 / 20.04

Repositories with Latest Packages

```
amdgpu base url= https://repo.radeon.com/amdgpu/latest/ubuntu

rocm base url= https://repo.radeon.com/rocm/apt/debian/
```

Repositories for Specific Releases

```
amdgpu base url= https://repo.radeon.com/amdgpu/21.50/ubuntu

rocm base url= https://repo.radeon.com/rocm/apt/5.0
```

CentOS/RHEL 7.9

Repositories with Latest Packages

```
amdgpu base url= https://repo.radeon.com/amdgpu/latest/rhel/7.9/main/x86_64

rocm base url= https://repo.radeon.com/rocm/yum/rpm
```

```
amdgpu base url= https://repo.radeon.com/amdgpu/21.50/rhel/7.9/main/x86_64

rocm base url=  https://repo.radeon.com/rocm/yum/5.0
```

CentOS 8.3 /RHEL 8.4

```
amdgpu base url= https://repo.radeon.com/amdgpu/latest/rhel/8.4/main/x86_64

rocm base url= https://repo.radeon.com/rocm/centos8/rpm
```

```
amdgpu base url= https://repo.radeon.com/amdgpu/21.50/rhel/8.4/main/x86_64

rocm base url= https://repo.radeon.com/rocm/centos8/5.0/
```

RHEL 8.5

```
amdgpu base url= https://repo.radeon.com/amdgpu/latest/rhel/8.5/main/x86_64

rocm base url= https://repo.radeon.com/rocm/centos8/rpm
```

```
amdgpu base url= https://repo.radeon.com/amdgpu/21.50/rhel/8.5/main/x86_64

rocm base url= https://repo.radeon.com/rocm/centos8/5.0/
```

SLES 15 Service Pack 3

```
amdgpu base url= https://repo.radeon.com/amdgpu/latest/sle/15/main/x86_64

rocm base url=  https://repo.radeon.com/rocm/zyp/zypper/
```

```
amdgpu base url= https://repo.radeon.com/amdgpu/21.50/sle/15/main/x86_64

rocm base url= https://repo.radeon.com/rocm/zyp/5.0/
```

2.3 Download GPG Key

```
https://repo.radeon.com/rocm/rocm.gpg.key
```