Ambedded Technology Co., Ltd.

Ambedded UniVirStor Ceph Storage Appliance

Ceph, is an open-source, distributed storage system

Ambedded UniVirStor (UVS), the Ceph storage appliances are turnkey solutions for scalable software-defined storage powered by Ceph and Arm server. Because of the tightly integrated software and hardware plus Ceph management GUI and Ambedded profession support, customers can deploy and operate Ceph software-defined storage efficiently.

Arm / x86 + **ceph** + **UVS Manager**

Ambedded UniVirStor (UVS) is a whole software pack that includes Linux, Ceph, and Ceph management GUI (UVS Manager). UniVirStor simplifies the deployment, management, operation, and maintenance of Ceph cluster applications. Ambedded Technology continuously invests in engineering to tune and validate the configurations over computing, memory, network, Linux, and ceph and ensure the storage system serves in optimized reliability and performance.
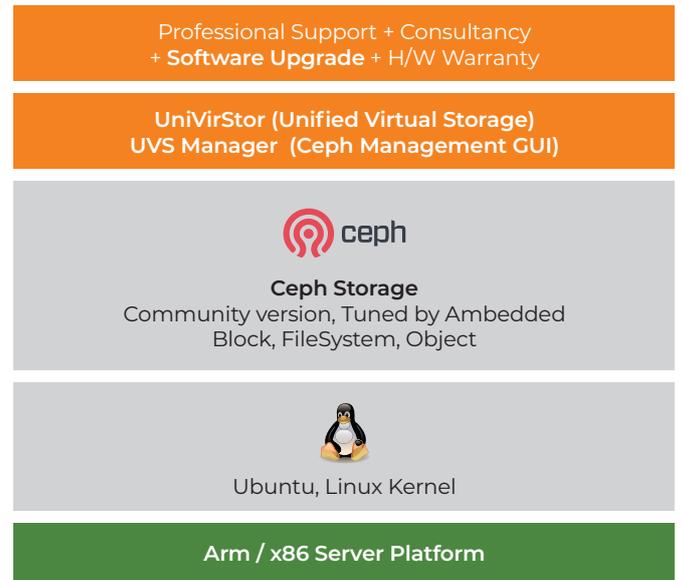
In addition, Ambedded provides customers with consultancy and technical support during the product life cycle. The products include three years of professional service from planning to deployment and operation.

Ambedded's Ceph appliance solutions, Mars 412 and Mars 500/524 cover the applications of large capacity and high-performance needs. They can serve in separated Ceph clusters or in the same cluster. When they are serving in one cluster, you can add the NVMe SSD pool as the cache tier of the hard drive pool.

Benefits of Ambedded Ceph Appliances

- Management GUI, Professional service, Easy to manage
- Simple to deploy and manage
- Tuned Ceph, Linux, and drivers for the hardware
- High available, Scalable, Resilient
- Block, S3, NAS unified storage
- Cloud-Native storage supports OpenStack and Kubernetes
- Low power consumption and reducing TCO
- Software upgrade without disruption

Ambedded Ceph Total Solution

Professional Support + Consultancy + **Software Upgrade** + H/W Warranty
UniVirStor (Unified Virtual Storage) **UVS Manager (Ceph Management GUI)**
Ceph Storage Community version, Tuned by Ambedded Block, FileSystem, Object
Ubuntu, Linux Kernel
Arm / x86 Server Platform

Solutions

Mars 412 Ceph Appliance
Ceph cluster with 12x HDD OSD in 2U chassis, easy to reach 240TB per unit, cost efficient for backup & archive applications.

Mars 500 Ceph Appliance
Ceph cluster with NVMe OSD, for the high performance application, easy to start with 4 units with scalable NVMe SSD.

Mars 524 Ceph Appliance
Ceph cluster with NVMe OSD, for the extreme performance and large capacity applications. Able to provide 750TB per unit.