iXsystems TrueNAS SCALE 22.12 Achieves Release Status

Open Source, Hyperconverged, Scale-out Storage Software and New all-NVMe TrueNAS R30 Platform Now Available for Production Deployments

SAN JOSE, CALIFORNIA, UNITED STATES, December 15, 2022 /EINPresswire.com/ -- iXsystems®, an Open Source pioneer and the company behind TrueNAS, today announced the RELEASE of TrueNAS SCALE 22.12 "Bluefin," the second major version of TrueNAS SCALE and the industry's most powerful Open Source hyperconverged storage OS. Developed in true Open Source fashion alongside the hundreds of thousands of members in the TrueNAS Community, this storage software release furthers the mission of providing true data freedom by expanding on the exceptional flexibility, interoperability, and storage efficiency that has already made TrueNAS the world's most deployed storage software.

With the release of TrueNAS SCALE 22.12, the open hyperconvergence and scale-out storage platform is ideal for supporting enterprise file, block, and object storage, while also supporting the deployment of applications and VMs. The freely downloadable software is now generally available after four months of testing two BETA versions and a Release Candidate. Software quality is assured following more than 2,000 users who tested the Release Candidate version of Bluefin.

Prior to the availability of TrueNAS SCALE Bluefin, the first release of TrueNAS SCALE 22.02 "Angelfish" in February 2022 successfully introduced a Linux OS foundation, OpenZFS file system, containers (Kubernetes and Docker), and clustering to TrueNAS storage environments, enabling over 40,000 deployed systems in only 10 months. Bluefin will build on this solid foundation and expand to many more use cases and environments. Based on current trends, the IXsystems team expects the software to pass 100,000 installations and 2 Exabytes of data under management in 2023. Bluefin is a simple update for Angelfish users, offering new features, higher quality, and many improvements.

TrueNAS SCALE Bluefin (22.12) provides a wide range of new capabilities that will go through the normal software lifecycle to maturity. Some significant feature updates in TrueNAS SCALE 22.12 include:

 FIPS-140 Security - Provides restricted administration privileges to non-root users, Role Based Access Control, and verified crypto modules.
 Kubernetes CSI Driver - Kubernetes clusters can use TrueNAS SCALE as the storage cluster. TrueNAS SCALE can support Kubernetes CSI, VMware ESXi, and OpenStack Cinder, as well as provide clustered file and object storage services.
 Cluster Management - Includes some new APIs to reduce downtime and operational risks when replacing a Gluster node in a cluster.
 Docker OverlayFS - OverlayFS support within OpenZFS enables greatly reduced overhead when running containerized workloads.
 Virtualization Improvements - USB device pass-through and CPU pinning are enabled, in addition to the existing pass-through across PCIe devices, including GPUs.
 Apps GPU Acceleration - A newer generation of GPUs (Intel Alderlake, NVIDIA GeForce-30xx) are now supported for sharing with application workloads.
 iX-Storj service - Globally Distributed Storage with Web 3.0 technology is a game changer for cloud storage reliability, costs, and performance.
 Enterprise Support - TrueNAS SCALE inherits all the HA and support tools of TrueNAS Enterprise as a separate license with up to 24x365 support.

"The maturing of High Availability (HA) support for TrueNAS SCALE 22.12.0 will increase Enterprise deployments," said Morgan Littlewood, SVP, Product Management and Business Development for iXsystems. "And with significant FIPS-140 security enhancements, Bluefin can be used in high-security use cases."

Built on Debian Linux, the Open Source TrueNAS SCALE supports SMB and NFS File Sharing, iSCSI Block Storage, S3 Object API integration, and Cloud Sync for interoperability with public cloud storage. It also offers unique flexibility as hyperconverged infrastructure that allows scaling of compute and storage independently. TrueNAS SCALE can be installed and run on a single node or across 100 clustered nodes, making the massively scalable infrastructure software ideal for a wide range of use cases and applications.

New TrueNAS R30 NVMe All-Flash

Also available with Bluefin is the latest TrueNAS storage system from iXsystems. The TrueNAS R30 offers 16 NVMe Gen4 SSDs per system and 2 dual-port 100GbE NICs in a 1U package, and each node is capable of over 30GB/s bandwidth. Typically configured with 32 Cores, 256GB of RAM, and up to 240TB of NVMe Flash. When configured in TrueNAS SCALE clusters, the R30 scales-out aggregate bandwidth to hundreds of Gb/s for clustered file and object workloads and is ideal for the most demanding analytics and video editing environments.

"We really want to thank the TrueNAS community for their tremendous support in improving TrueNAS SCALE over the past 12 months, which has taken it from a budding project to a fully operational OS," said Brett Davis, SVP, Sales and Marketing for iXsystems. "It's been an exciting ride and there's still much more to come. Continued engagement from the community is welcomed as we continue to collectively take open storage to new heights of capability with each software release."

Pricing and Availability

TrueNAS SCALE 22.12 is available for free download at truenas.com/scale and pre-installed on TrueNAS Enterprise appliances with support. The TrueNAS Enterprise R30 platform is now available to order from iXsystems.

Resources:

TrueNAS SCALE 22.12 Blog: https://www.truenas.com/blog/truenas-scale-bluefin-is-released-into-the-wild/

TrueNAS R30 Blog: https://www.truenas.com/blog/ix-adds-truenas-r30-and-ax-1212/

About iXsystems and TrueNAS

iX is an Open Source pioneer and the company behind TrueNAS, the world's most deployed storage software. Used by millions, TrueNAS lays the foundation for the Open Storage Era so that all organizations can access the benefits of true Data Freedom. TrueNAS enables users to harness the power of the legendary ZFS file system and provides unified and hyperconverged storage for private and cloud datacenters, with the reliability and performance demanded by virtualization, backup, and other data-intensive workloads. Thousands of organizations around the world have chosen TrueNAS Enterprise systems and support from iX to scale-up or scale-out their infrastructure while leveraging Open Source economics.

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