



BryTech Inc.
The Right Solution. Right Now.®

BryTech Inc.

Red Hat Hyperconverged Infrastructure

About BryTech



- ▶ BryTech is a Department of Veterans Affairs certified, 100% owned and operated, “Service-Disabled Veteran” Owned Small Business which provides potential clients and customers the ability to use the SDVOSB sole source vehicle, which allows for direct-buy contracts with SDVOSB contractors.
- ▶ The Historically Underutilized Business Zones (HUBZone) program helps small businesses in urban or rural communities gain access to federal procurement opportunities. As a HUBZone certified company we are proud to be part of the continued economic development of urban Atlanta.
- ▶ ISO Certifications
 - ▶ **ISO 9001:2015** certification demonstrates BryTech’s ability to consistently provide products and services that meet customer needs.
 - ▶ **ISO 20243-1:2018 Open Trusted Technology Provider (O-TTPS)** certification ensures that our supply chain is free of tainted and counterfeit products.
 - ▶ **ISO 27001:2013** specifies the requirements for establishing, implementing, maintaining and continually improving an information security management system to protect customer information.

Why to choose BryTech

- ▶ BryTech is committed to exceptional quality of service and client satisfaction achieved through years of professional experience, planning, deploying, and supporting enterprise customers backed by world-class products and solutions to become your trusted advisor.
- ▶ BryTech is fully committed to designing, implementing, and supporting your critical technology initiatives. Our proven record of success extends through the public sector in banking, manufacturing, and healthcare as well as federal agencies within the Defense, Department of Energy, Veterans Administration, NASA and Intelligence Communities.

Red Hat Hyperconverged Infrastructure

- ▶ Provides co-located, scalable, software-defined compute and storage, automated by [Red Hat Ansible® Automation Platform](#) on economical, industry-standard hardware.
- ▶ Available in two versions
 - ▶ Red Hat Hyperconverged Infrastructure for Virtualization
 - ▶ Built on [Red Hat Virtualization](#) and [Red Hat Gluster® Storage](#), Red Hat Hyperconverged Infrastructure for Virtualization provides a single support stack for virtual compute and virtual storage resources for departmental and lines-of-business teams, remote sites, DevTest, and others.
 - ▶ Red Hat Hyperconverged Infrastructure for Cloud
 - ▶ Red Hat Hyperconverged Infrastructure for Cloud is an integrated, containerized system of [Red Hat OpenStack Platform](#) and [Red Hat Ceph® Storage](#) with common life cycle and support.

Red Hat Hyperconverged Infrastructure for Virtualization

- ▶ Red Hat Hyperconverged Infrastructure (RHHI) for Virtualization integrates Red Hat Virtualization (RHV) and Red Hat Gluster Storage (RHGS).
- ▶ RHHI for Virtualization provides open-source, centrally administered, and cost-effective integrated compute and storage in a compact footprint for remote sites.
 - ▶ A complete open-source virtualization solution, derived from the Red Hat Enterprise Linux® kernel, Kernel-based Virtual Machine (KVM) technology, and oVirt virtualization management projects.
- ▶ Red Hat Gluster Storage is a software-defined storage (SDS) platform.
 - ▶ Designed to handle general purpose workloads like backup and archival, as well as analytics
 - ▶ Cost-efficient and, can be deployed on bare metal, virtual, container, and cloud environments.

Red Hat Hyperconverged Infrastructure for Virtualization Benefits

▶ **Central Virtual Resource Management**

- ▶ RHV Manager is a secure, web-based tool that provides central management for compute, network, and storage resources.

▶ **Optimize Storage Volumes**

- ▶ Replicated volumes provide high availability and high reliability for critical workloads.
- ▶ Arbitrated replicated volumes provide the consistency of three-way replication with less disk space.

▶ **Consolidate Resources**

- ▶ Reduces capital expenditures, operation overhead, and deployment time.

▶ **Day Two Operations**

- ▶ Scalability (up to twelve nodes), fencing, geo-replication, and encryption enhance remote-office and edge-computing needs.

Red Hat Hyperconverged Infrastructure for Cloud

- ▶ Red Hat Hyperconverged Infrastructure for Cloud combines Red Hat OpenStack Platform and Red Hat Ceph Storage into a single, prepackaged hyperconverged software offering for telecommunications environments.
 - ▶ Red Hat OpenStack Platform is a cloud computing platform that virtualizes resources from industry-standard hardware, organizes those resources into clouds, and manages them so users can access what they need, when they need it.
 - ▶ Includes key security features such as Security-Enhanced Linux.
 - ▶ Co-engineered with Red Hat Enterprise Linux.
 - ▶ Red Hat Ceph Storage is a scalable, open, software-defined storage platform that combines Ceph storage system with a Ceph management platform, deployment utilities, and support services.
 - ▶ Optimized for large installations and massive data needs, scaling performance as capacity scales.
 - ▶ Efficiently and automatically manages data, significantly lowering the cost of storing enterprise data and helping manage exponential data growth.

Red Hat Hyperconverged Infrastructure for Cloud Benefits

► **Maximize Resources**

- Colocate storage (RHCS) and compute (RHOSP) functions on the same host (as a prepackaged software product) with a unified lifecycle and a UI installation experience based on RHOSP Director.

► **Scalability**

- Provides small, six-node configurations with potential to grow to a regional data center on a per node basis (up to thirty nodes).

► **Multiple Workloads**

- Deploy in both large central datacenters for the core of the network (data and call routing, record storage, etc.) and for the edge of the network (local call management, content delivery, etc.).

► **Hardware Consolidation**

- Enables standardized hardware without a proprietary commitment
- Allows potential discounts for similar server types, simplified operations, and more efficient use of hardware resources.

Select BryTech for Red Hat Hyperconverged Infrastructure Deployments

- ▶ BryTech can position Red Hat Hyperconverged Infrastructure :
 - ▶ Customers struggling under the complexity of multiple tiers of storage
 - ▶ Makes storage invisible by stitching it into the workflows in the application infrastructure
 - ▶ No need for a separate storage provider
 - ▶ Cost-conscious organizations
 - ▶ Lower operation costs by managing compute and software-defined storage resources together through a single, easy-to-use interface.
 - ▶ Digital Transformations
 - ▶ The first step toward more flexible and highly scalable datacenter management
 - ▶ Can start small and grow over time, with no “rip and replace” upgrades
 - ▶ Easier to administer than efforts to manage the operating system, virtualization, and storage layers separately.

Our expertise

- ▶ BryTech delivers turnkey solutions
 - ▶ Solution design based on customer requirements - **We listen** to our customers' problems without a sales agenda and develop the best, most cost effective solutions.
 - ▶ Full implementation services - **We deliver** the solution as designed with the agreed upon functionality within the established timeframe.
 - ▶ Hands-on training - **We train** our clients on the day-to-day operations of the solution. We make sure they are self-sufficient from Day One.
 - ▶ Complete set of documentation - **We document** the solution as implemented, including hardware configuration and software installation and can be added to a business continuity plan.
 - ▶ Trusted Advisor status - **We stay engaged** with our clients, becoming trusted advisors. We assist customers with problem escalation and the account team by identifying new opportunities.

Financial Flexibility

In the midst of budget constraints, government agencies face daily pressures to update and improve their IT systems.

For more than 20 years, BryTech, Inc. has worked with both civilian and federal agencies to fulfill a wide range of business and mission critical projects. As experts in compliance and regulatory issues, we offer industry-leading knowledge and fast, reliable alternative funding options. An extended payment plan can ease budget constraints and expedite the procurement process, enabling you to acquire the total solution you need and pay for it over time.

► **This allows you to:**

- Acquire and deploy the total solution with one order
- Combine multivendor products and services in the same transaction
- Bundle products, services, and training under a single, customized payment plan
- Select midterm upgrades and add-ons to reduce the risk of obsolescence
- Choose end-of-term options to accommodate growth and changing business needs

► **Additional benefits of extended payments include:**

- Expedited deployment and fixed pricing for multiyear contracts
- Antideficiency Act (ADA) compliance
- Federal Acquisition Regulation (FAR)-compliant documents for faster implementation
- Minimized administrative and procurement costs
- Lower cost of ownership

“ We take our responsibility to our clients seriously. Our goal is to deliver the highest quality hardware, software and services ”

-Don Straley, Executive Director

The BryTech Commitment

BryTech will do whatever it takes to make sure we have highly satisfied clients. We realize we are only as good as our last engagement, so we strive to make sure it is a positive experience.



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Thank you

www.BryTechInc.com