

# XCrypt Archive™ for Pivotal Cloud Foundry

## Enterprise Backup Integrated with Pivotal Cloud Foundry BOSH Backup & Restore

If you're serious about protecting your data, you need to protect every copy. Not just your production systems, but also your development systems and your backups. The rampant threats of ransomware make regular backups a must, and to ensure the integrity and protection of your data, they need to be encrypted. Good security hygiene requires that keys are regularly rotated, so key management capabilities are a must. Finally, you'll want a solution that integrates with your other systems easily, and scales with your business.

Pivotal Cloud Foundry BOSH Backup and Restore (BBR) provides a framework for the backup and restore of your BOSH deployments in Pivotal Cloud Foundry environments. Those backups contain your critical data and must be protected. XCrypt Archive for Pivotal Cloud Foundry provides a powerful solution for protecting your Cloud Foundry backups.

XCrypt Archive is a high performance, software-only backup and restore solution that works with structured or unstructured data. It encrypts and decrypts artifacts as it's streaming to or from the backup store, either on the jumpbox or Concourse task, ensuring end-to-end security. Even though data is compressed prior to encryption, there's negligible performance impact.

XCrypt Archive includes BBR scripts to automate the encryption and decryption processes, making it transparent to the DevOps user. Also included is Zettaset's Virtual Enterprise Key Manager and Virtual Hardware Security Module, making it an all-in-one solution. XCrypt Archive is KMIP compatible and PKCS #11 certified, so if you already have a key manager and/or hardware security module, you can continue to use them. And best of all, it's an easy to use system – no crypto experts necessary.

### A Software-defined Solution

Zettaset's software-only approach to encryption simplifies deployment and eliminates the need for proprietary appliances. Its configurable key policies and key administration provide the flexibility necessary for your enterprise. It's designed to be deployed on existing commodity hardware, drastically reducing the total cost of ownership compared to proprietary appliance-

### About Zettaset

Zettaset is a software-defined encryption solution that protects against data theft and can be transparently deployed across all physical and virtual environments. Its products are designed for medium to large enterprises that deal with sensitive information that would expose them, financially and reputationally, in the event of a breach. Unlike traditional solutions that are appliance-based, Zettaset is a cost-effective, software-only solution that is easy to deploy, does not impact performance, and scales with your business from on premise to the cloud.

based solutions. Zettaset's products can be deployed and maintained by existing IT staff and do not require specialized encryption experts.

### XCrypt Archive Benefits

- **Low Total Cost of Ownership (TCO)**
  - » Requires no proprietary hardware (appliances); it's a software-only encryption solution that can be deployed on commodity and existing hardware – just point and encrypt
  - » Does not require specialized encryption experts on staff - can be deployed and maintained by existing IT staff
- **High performance**
  - » Negligible performance impact on existing processes
  - » All data is compressed prior to encryption, saving valuable storage
- **Versatile**
  - » Secures structured & unstructured data
- **Interoperable**
  - » Command line interface simplifies automation and integration
  - » KMIP compatible & PKCS #11 certified and interoperable with all major key managers and HSMs, including Thales and Gemalto

