

ZYNSTRA TECHNICAL BRIEFING NOTE

Backup to RDX Drive



Introduction

As an alternative to backing up an appliance to the cloud, Zynstra supports backup to a locally attached storage device: The HP RDX, using portable, rugged, disk drives.

This feature is intended for use by users who have limited up-load bandwidth, or those users who do not require Zynstra's cloud-based back-up and disaster recovery service.

Applicability

With disk cartridge capacities up to 2TB, full backup of user data and system disks is supported for Zynstra Z1400, Z1410 and Z1420 appliances.

Data Security

Like Zynstra's cloud backup, data is first encrypted on the appliance before being copied to the external cartridge. The cartridge should then be secured in a fire safe or sent to a professional remote storage facility.

Note: Due to this data encryption, data on the cartridge can only be accessed with the support of Zynstra's Customer Success team.

Data Recovery

In the event of the appliance requiring file recovery or a complete rebuild, the backup files on a cartridge can be used to perform a partial or complete restoration of the system, including on to a new, replacement appliance if necessary.

Data recovery must be carried out by Zynstra at the request of the user or their IT partner. There may be a cost associated with this work.



Supported Hardware and Capacities

Zynstra has verified support for HP RDX hardware. The specific HP product codes are listed below. Other vendor and 3rd party RDX products are not supported.

HP RDX USB 3.0 External Docking Station (C8S07A). The base unit, which connects to the Zynstra appliance's USB interface.

HP RDX 2TB Removable Disk Cartridges (Q2046A). The hard-drive cartridge, to be loaded in to the RDX External Docking Station.

Zynstra recommends use of 2TB drives to ensure backup of the full appliance can take place. With the compression automatically applied by the appliance, a 2TB cartridge will backup an appliance with a raw disk capacity of 8TB. In the event that smaller cartridges are used, and the total of all backup files exceed the capacity of a cartridge, the backup will not execute.

Zynstra recommends backups are distributed over *three or more* cartridges to ensure:

- At least one cartridge is always securely stored, while one is being written to
- A third disk is available as an immediate spare should one cartridge fail
- Wear is spread over multiple cartridges to ensure longevity of the backup solution

Availability

Backup to RDX Drive is supported by Zynstra appliances running *Iguana*, or a later release.

Iguana is available on new appliances delivered after January 2015. To check the update state for appliances delivered before this date, contact your IT partner or Zynstra Customer Success.

