



sky data vault

Discover what's possible.



1:2:1 Methodology: A New Way to Look at Data Protection

Traditionally, backups have been done with a one-to-zero (1:0) approach.

1 refers to the production environment and 0 refers to a backup location to store images or files

In some cases, this was physical media like tape or disk, in others, it was a device on site, like a NAS. In more sophisticated environments, this was a separate location with a physical or virtual appliance storing the backup data. In all of these examples, the customer's data is single-threaded. If the zero (0) location fails or is offline, the data can be lost, and a recovery cannot occur. This can mean starting backups over, losing data, and possibly leading to compliance issues for some industries.

In today's world, data has become too valuable and downtime too costly, making this approach no longer sufficient for most organizations. This is why SDV has pioneered a new way to look at data protection and recovery with our 1:2:1 Methodology.



This new methodology adds resiliency to any customer's data protection, provides high availability recovery options, and is supported by SDV personnel to ensure the best possible experience when needed.

This resilient methodology is built differently:

1:2:1 Production Environment

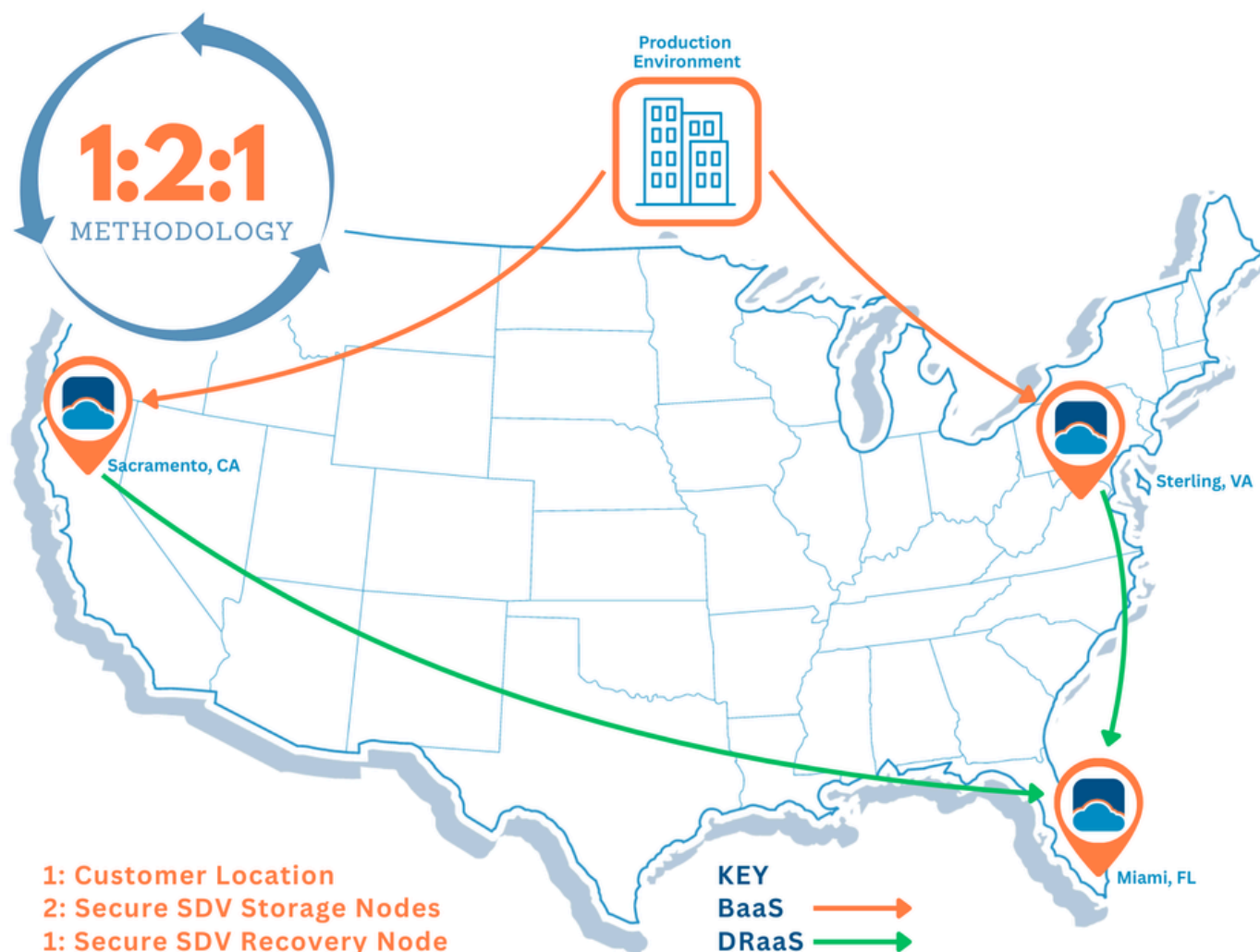
The SDV backup agent is installed on the customer's production environment on the systems being protected.

1:2:1 Data Storage Locations

The SDV backup agent will send the incremental, de-duplicated, compressed backup data encrypted to one of two geographically diverse storage locations in the secure SDV Cloud. Each location is built with multiple storage nodes across multiple servers and storage arrays. This backup data is segmented to provide immutability to the backup while also adding resiliency to the storage.

1:2:1 Recovery Location

Once the backup is complete, SDV has a mirror image of an organization's environment in a third data center location in our secure SDV Cloud. Here, the organization's mirror image is refreshed with the data from the most recent backup. Once complete, the image is bootable and can recover a Customer in minutes.



BaaS with SDV 1:2:1 Methodology

- SDV Agent is installed on the production servers
- Schedule for backup frequency and retention is dictated by the customer and can be customized on a server-by-server basis
- Backup of the critical files and folders runs locally, is deduplicated, encrypted, and then sent to one of two SDV Storage Nodes
- Retrieving a backup is easy with our SDV interface and can be supported by the US-based 24x7x365 SDV Service Desk
- Never any charge for Egress

DRaaS with SDV 1:2:1 Methodology

- BaaS INCLUDED, PLUS:
 - SDV keeps a mirror image of the protected production network in the SDV Recovery Node
 - Once a backup completes in the SDV Storage Node, it sends a copy to the SDV Recovery Node and refreshes that mirror image with the most recent copy
 - With SDV DRaaS, turn-up of that recovery image is guaranteed to be sub 30 minutes per server, with the ability to turn multiple servers up at one time
 - Customers who require spin up may run a recovery image for up to 30 days FREE
 - FREE annual testing of the recovery image