Infscape AWS UrBackup Appliance

The Infscape AWS UrBackup Appliance is an enterprise software appliance suitable for Amazon Web Services. It runs the Open Source UrBackup server software in an operating system and application environment which is optimally suited for maximum performance, efficiency and simplification of additional configuration and contains extra software to make it suitable for usage in a cloud environment.

UrBackup is an easy to use, multi-platform, efficient and feature-rich network backup system with **following features**:

- Full and incremental image and file backups: Whole partitions can be saved as well as single directories
- Fast calculation of file tree differences leads to very fast incremental file backups – only new changed files will be retransmitted
- Only used and changed hard disk sectors are transmitted during an incremental image backup
- Image and file backups while the system is running
- Backups of used files. For example, Outlook .pst files
- Same files on different computers are saved only once. Less server storage space is needed for your backups (file level deduplication).
- Fast file and image transmission
- Clients can change their settings like backup frequency or number of backups and can take a look at log files of their backups
- Next to no configuration. Install, select the directories you want to backup and watch it backup
- Client warns if there was no backup for some time
- Web interface that shows the status of the clients, current activities and statistics. It allows the administrator to change backup settings and override the settings for the clients. Existing file backups can be browsed and files from these backups can be extracted.
- Reports about backups can be send to users or administrators
- Secure and efficient backups to your own server via Internet, if the client is currently not in your local network
- File metadata such as last modified time is backed up
- Easy to use file and image restore (via restore CD/USB stick)
- Easy to configure and use file backup access
- E-Mail alerts if a machine isn't backed up for a configurable amount of time

Additionally, the Infscape UrBackup Appliance **adds following features**:

- Direct storage of all backups to the cloud (Amazon S3) using instance or EBS storage as caching and staging area (two levels)
- State-of-the art ("next generation") and future-proof file system (btrfs) kept up to date with newest bug fixes
- Backup replication to and from other Infscape UrBackup appliances
- Fully encrypted backup storage to prevent data leaks (single point of data ownership)
- Optional monitoring for nominal operation and email/SMS alerts
- Timely security updates and bug fixes for all involved software
- Continuous improvement of Backup software (see roadmap)
- Priority support via forum and email
- Support during initial configuration
- Automatic and frequent UrBackup database backup to and import from backup storage (S3)
- Automatic Windows file sharing (samba) of backups integrated with the UrBackup user system
- Two-factor authentication during login using Google Authenticator (TOTP)
- Automatic migration of client to other UrBackup Appliances
- Directly run the machines backed up via image backup in UrBackup Appliance via virtualization
- Access image backups as vhdx files to directly run them in Hyper-V enabling instant recovery via Hyper-V Live Migration
- Coordinate multiple UrBackup Appliances via one web interface (federation)
- Support for sharing RAID disks with other appliances and support for using iSCSI disks as RAID disks
- Ability to mirror RAID asynchronously to S3 storage and ability to convert from S3 storage to RAID storage
- Ability to compare file backup contents. List added, deleted or modified files. Comparison to last file backup or between any two file backups
- The appliance is pre-configured to be able to act as https proxy for clients (to localhost Internet port only). Appliances can replicate via https proxy
- Ability to search for files/directories in file backups (search database creation)