

## CPM: Easy, Powerful, Scalable



Cloud Protection Manager (CPM) is an enterprise-class backup, recovery, and disaster recovery solution purpose-built for Amazon Web Services EC2 environments. CPM enhances AWS data protection with automated and flexible backup policies, application consistent backups, 1-click instant recovery, and disaster recovery to other AWS region or AWS accounts ensuring cloud resiliency for the largest production AWS environment. By extending and enhancing native AWS capabilities, CPM protects the valuable data and mission-critical applications in the AWS cloud.

### Backup

#### BLOCK-LEVEL, INCREMENTAL

CPM snapshots are taken at the volume or storage-level and are the most efficient backup available. Snapshots can be scheduled with frequencies that range from minutes to months and retained for any amount of time allowing great flexibility in Recovery Point Objective (RPO). CPM automates backup and recovery for EC2 instances, EBS volumes, RDS, Redshift, and Aurora clusters by extending and enhancing native Amazon snapshots.

#### SNAPSHOT VAULTS

Create “snapshot vaults” to protect you from snapshot deletion. Replicate entire instances to other AWS accounts or regions. Use one-click instant recovery of volumes and/or complete instances to restore systems into your AWS accounts.

#### LIVE AND CONSISTENT APPLICATION BACKUP

Perform application consistent backup of production EC2-based applications without taking systems offline. CPM includes out-of-the-box support for MySQL, MongoDB, Oracle, PostgreSQL, SQL Server, Exchange, Active Directory, SharePoint and more. CPM also includes VSS support on Windows systems enabling application consistent backups.

#### POLICY-BASED BACKUPS

Offering flexible policy-based backups, CPM delivers complete control over backup operations, including backup targets and snapshot scheduling that can range from minutes to months. Set custom retention periods, failure handling, retries, and more.

### Restore

#### RAPID RECOVERY AND DISASTER RECOVERY

Rapidly recover complete servers/instances, specific volumes, or individual files in seconds. Recover complete instances to other AWS regions or other AWS accounts, including all data and configurations in only seconds.

#### FILE LEVEL RESTORE

Restore individual files without having to restore the entire instance or mount the volume. Use the CPM GUI to browse through files and folders and retrieve the previous version of individual files and folders.



## Security

### COMPLETE ACCESS CONTROL

Running on a dedicated instance in your EC2 environment and VPC subnet, CPM assures users have full and complete access control by configuring security groups.

### IAM USERS, ROLES, & MULTI-TENANCY SUPPORT

CPM is designed for multi-tenancy, allowing you to protect multiple AWS accounts from a single console. To enhance environment access control, CPM supports IAM roles for secure cross-account federation and access as well as IAM credentials. CPM also enables creation of multiple users, each managing multiple AWS accounts containing many instances.

### GOVCLOUD AND HIGHLY-SECURE ENVIRONMENTS

CPM provides a special AMI for use in AWS GovCloud, an isolated data center region designed to meet strict compliance requirements as defined by the U.S. government. CPM is a virtual appliance and is entirely hosted in your AWS account, making it the product of choice for highly-secure AWS environments.

### DELEGATION & ENCRYPTION

Delegate access to perform backups and restores without providing rights or access to the actual AWS account. All communication to and from the CPM Server is encrypted.

## Alerts, reports, and automation

### ALERTS

CPM provides a comprehensive set of alerts and notifications to ensure that no event is left unnoticed. Receive alerts by email or Amazon Simple Notification Service (Amazon SNS). You can also define pull alerts from CPM for integration into third-party monitoring solutions.

### DAILY SUMMARY AND REPORTING

Receive daily email summaries of events indicating backup status. CPM also allows export of raw reporting data for analysis.

### CLI AND API

Use the CPM command-line interface to fully automate complex backup and recovery operations and generate reports. CPM also includes a RESTful API and can be easily integrated with 3rd party reporting and monitoring tools.



**N2W SOFTWARE** was founded in 2012 with the mission of providing enterprise-class data protection for production environments deployed in the public cloud. Cloud Protection Manager (CPM) from N2W Software was designed and built from the ground up to meet the backup and DR requirements of the most demanding customers migrating to the public cloud. CPM is now the leading enterprise-class backup, recovery, and disaster recovery solution specifically optimized for Amazon's AWS EC2 infrastructure.