

TECHNICAL BRIEF

Welcome to agentless, automated disaster recovery.

Disaster recovery with less disruption

ATAGuard™ can simplify disaster recovery (DR) through automation and orchestration. The target environment is auto provisioned, data transfer occurs directly from source to target machines, and testing is automated. That means business disruption can be minimized.

Rapid, simplified disaster recovery to any environment

Using agentless architecture, ATAGuard can drastically reduce the manual effort required to deploy disaster recovery, regardless of platform mix. It automates provisioning of micro instances and synchronizes your data in the background. Meanwhile, enterprise workloads remain entirely online, without any size limitations. Using near real-time replication, ATAGuard keeps servers in synch and automates failover in the event of a problem.

- Single console to manage Windows and Linux DR on AWS
- No appliances, agents, or software pre-requisites
- Integration with Amazon Web Services (AWS) enables auto provisioning and auto scaling for recovery
- Demonstrates direct data transfer for enterprise applications without dataset size limitations

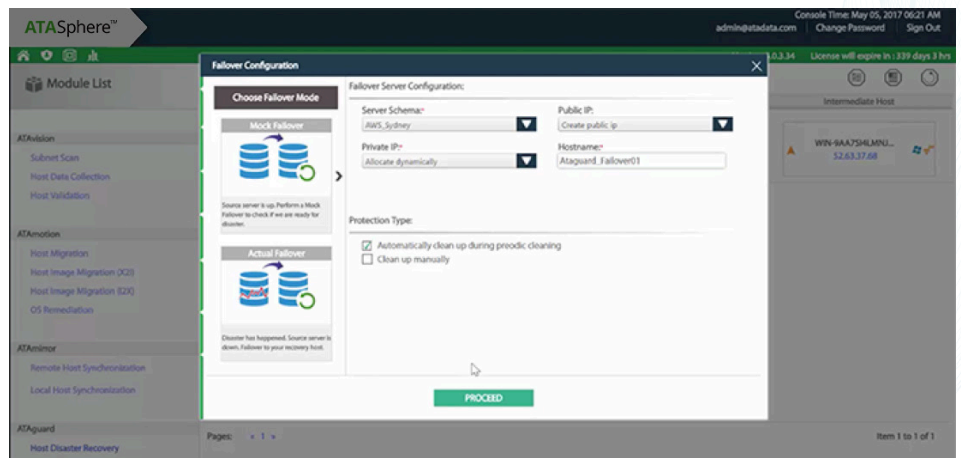
Disaster recovery testing can be performed into a sandbox environment, allowing you to test accessibility of data and applications. Once complete, the test machines are just switched off. Meanwhile, protection is maintained on the original servers. After a failover has occurred you can choose to fallback to ANY hypervisor, bare metal environment, or cloud. Recovery should not be considered a one-step process, it is only complete once you're back to where you want to be.

Step 1: Auto provision target infrastructure

Step 2: Synchronize data and system state between source and target

Step 3: Keep servers in synch and failover when ready

Step 4: Recover back to any environment



How it works

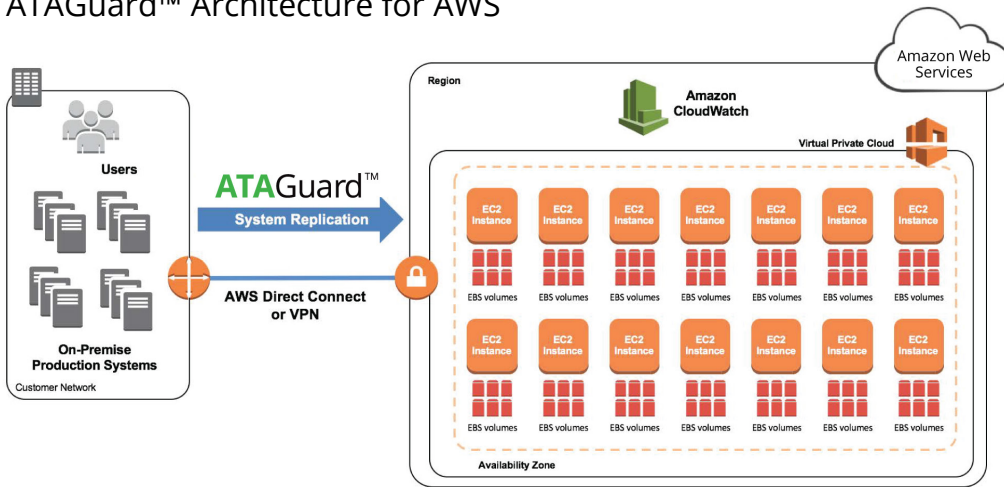
Our agentless solution is managed through a web-based portal, on-premises behind the firewall or within your AWS VPC, and is accessed through a simple, intuitive GUI. Direct integration enables auto provisioning of the DR target environment, and the multi-threaded transfer engine delivers efficient and secure replication direct from source to target.

Auto provisioning and initial synchronization

As the job is created on the management console server, scripts are dispatched to the source preparing it for DR. Meanwhile, AWS API's are accessed to provision the t2 micro instances at the target with the necessary configuration and EBS volume. Once the target is up, scripts are dispatched from the console to the target and activated, the target then connects with the source. Once a connection has been established directly between the source and target, the source securely sends all the data.

Ongoing synchronization and failover can deliver near zero Recovery Point Objectives (RPOs) by keeping servers in synch with ongoing near real-time replication. Low Recovery Time Objectives (RTOs) are achieved through rapid failover. When initiated, the T2 micro instance will scale up to a full size pre-determined instance from the EBS snapshot, and become a duplicate of the source.

ATAGuard™ Architecture for AWS



Potential Benefits

- The failback option allows you to restore the DR site back to source without interruption to business, including the ability to restore back to any hypervisor, bare metal, or cloud platform.
- Through integration with ATAVision™, you can create affinity based protection groups from within the same console to ensure that servers failover together and application stacks are not broken during minor outages. ATAVision delivers a complete blueprint of current state infrastructure, including application dependency mapping and affinity details for failover planning.

Standby Mode

- Only minimum-sized EC2 instances required online to enable system replication via ATAGuard™.

DR Mode or DR Testing

- In the case of actual disaster or disaster testing, EC2 instances can be scaled up on demand to match production sizing.

Failback

- Recover servers back to any bare metal, hypervisor or cloud environment.

To learn more about ATAGuard, contact us:

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