



## Techwave

Techwave established in 2004, is a global end-to-end IT services & solutions company, which develops long-term relationship with clients by leveraging unique delivery models and expert frameworks.

# Disaster Recovery : AWS Cloud Migration

## Overview:

Vasudha Pharma Chem. Ltd. is engaged in the manufacturing of Active Pharmaceutical Ingredients (APIs) and Pharma Intermediates for catering to the domestic as well as international market. Initially, the focus was on development of cost-effective processes for several intermediates related to piperidone & piperidine derivatives. By 2003 -04, the company gained world class expertise and became the largest manufacturer of piperidone & piperidine derivatives in the world. Vasudha Pharma is running one manufacturing unit in Hyderabad and two units in Visakhapatnam, AP.

## Challenge:

The customer has their SAP servers running on their premises environment. The SAP landscape consisted of SAP ECC 6.0, Sybase 15.6 and DMS server. For high availability, their ECC server was setup in a 2-node cluster. The DMS server was a single node system, and its reliability was maintained through backup and restore mechanism. The challenge was that in the event of a disaster at server level or data center level, there was no solution provisioned to recover the servers from disaster within the expected values of RTO and RPO.

## Solution:

Techwave recommended the customer to have their DR environment setup on AWS cloud to cater to the needs of disaster recovery at servers' level or data center level. The solution was developed and deployed using AWS Cloud Endure DR service. It enabled the source servers running on customer's data center to replicate the data of the servers' disks at block level continuously to AWS. A secured IPsec site to site VPN connection was established between the data center and AWS to transfer the data securely.

The solution is a secure and cost-effective solution as the customer can create and run the real production servers on AWS only when there is a real disaster occurrence in their data center.



### Outcome:

1. Continuous replication of the data from source SAP servers to AWS cloud is achieved.
2. Security of the data transfer is achieved by making it flow through secure VPN connection instead of running it through unsecured public Internet.
3. The customer is able to achieve a DR solution with an RPO of 15 minutes and RTO of 30 minutes.
4. The customer is benefitted with a DR solution on a reliable cloud platform to perform their business continuity in case of any disaster.



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