SAP R/3, ECC6.0 Migration to cloud Project

Business Scenario

Migration of SAP ECC & BI Landscape to AWS.

In 2011, Client installed a new senior management team, changed its business strategy and restructured operations in India as a single market instead of four separate geographic regions. The reorganization prompted client to update its SAP Business Suite enterprise resource planning solution, which the company uses to manage the sale and distribution of textbooks across India.

The main objective is to curtail the Breakdown cost by minimizing the frequency of breakdowns.

AG Technologies
Your World is Our Enterprise

Introduction

The Client

Client has provided publishing services to the education market in India for more than 120 years. The publisher's primary business involves commissioning, editing and printing, and distributing textbooks and course materials to education providers from primary school to tertiary institutions. The company also offers curriculum-based instructional modules, video clips and animations. The client is part of the privately owned Holtzbrinck Group, has more than 500 employees and is headquartered in Gurgaon in northern India.

Broad Scope of Work

- SAP ECC 6.0 Landscape Migration to AWS.
- SAP BI 7.0 Landscape Migration to AWS.
- Solution Manager 7.0 Migration to AWS.
- SAP ECC 6.0 to ECC 6.0 EHP7 Technical Upgrade.

Business Challenges

The infrastructure in the on-premises data center in Chennai had several problems that affected system availability:

- The servers were five years old, nearing end of life, and breaking down frequently.
- Storage and networking equipment had reached capacity, compromising application performance.
- The virtual private network experienced regular outages, limiting remote access to its SAP solution.
- Utility shortfalls meant that electricity was only available for nine hour a day during peak periods in summer.
- Construction work on roads and buildings frequently damaged the leased line that connected the data center with client's other offices, causing system outages and affecting productivity.

Solution

The Client secures its SAP applications by provisioning an Amazon Virtual Private Cloud (Amazon VPC) private subnet to run both Business Suite and BI instances. Clients, typically client employees, can use site-to-site IPsec to access SAP using private IP addresses. Conditional public access through FTP and SMTP, (generally available to contractors such as external IT support staff), is provided over an Amazon VPC NAT instance in a public subnet. Figure 1 demonstrates the SAP solution on AWS.
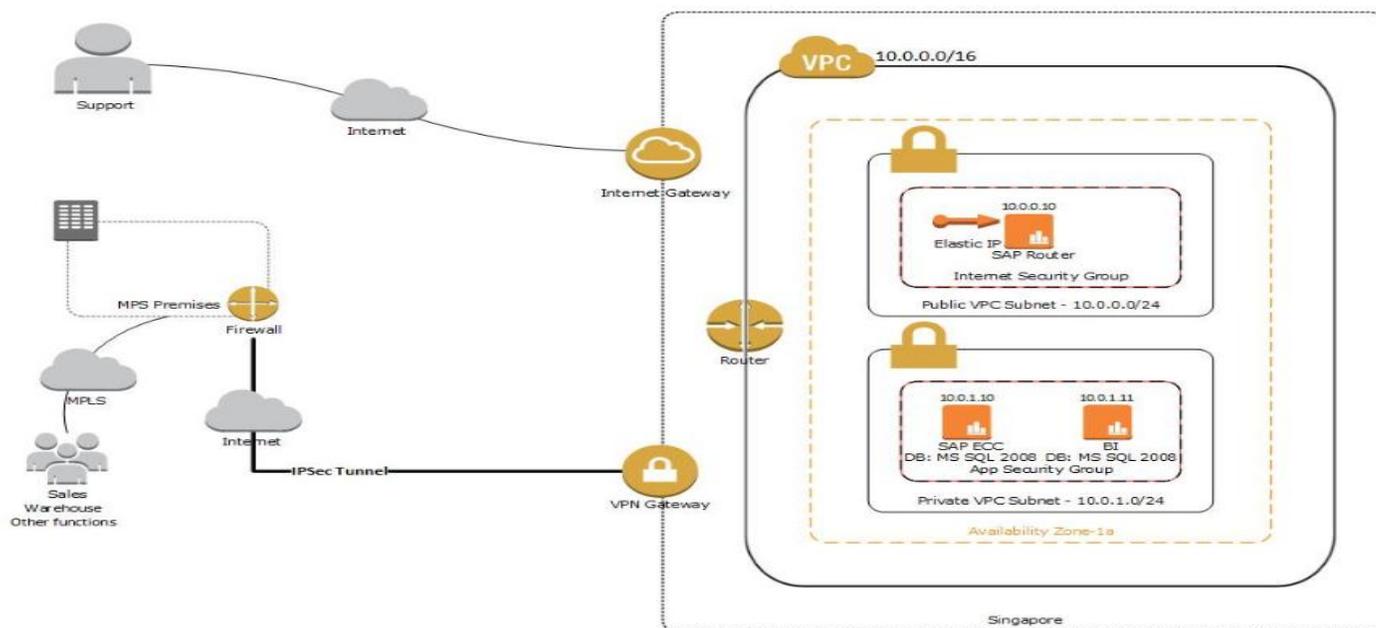

Figure 1. Macmillan India Architecture on AWS

Benefits

- Robust security and data protection controls to protect its environment.

- Client can automate its backups and meet recovery time objectives.

- Capital expenditure lowered by nearly 100 percent.

- For users, connecting remotely to SAP applications using the virtual private network is fast and reliable.

Critical Success Factor

- Timeliness and meeting deadlines is an essential element of our business.
- Availability for SAP applications has improved from 90 percent to almost 100 percent since moved to AWS.

Technology

SAP Solution	SAP ERP 6.0 EHP 7
Database	Microsoft SQL 2008 R2 64 bit.
Operating System	Windows 2008 R2 DCE x64, 32GB RAM, Intel Xeon CPU 4 Core.

About Us

AG Technologies is a global software solutions and SAP services provider headquartered in Mumbai, India. We are a business and technology group specializing in industry specific solutions and strategic outsourcing.

Our team is highly experienced and possesses deep expertise in their areas of focus. We provide superior value for our clients by delivering high quality work designed to enhance your Return on Investment.

**For more information,
contact:** contact@ag-technologies.com

**For more information, company:
visit:** www.ag-technologies.com