



At 18North, Pune, we see ourselves to be a trusted, valued, conscious and sustainable *digital services partner* in the select service areas and the domains.

18North

QED – AWS Management

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CUSTOMER ORGANIZATION

Customer specializes in implementation of management systems, management system standards, internal audit and organizational development. They help business implement robust management systems with support, guidance and advice business' need to achieve certification.



STAKEHOLDER / USER ORGANIZATION

Customer helps business achieve certification to the ISO 9001, 14001, 27001 and OHSAS 18001 standard, through their management systems. Their expertise include development, implementation and troubleshooting of business management systems, internal audit and continual improvement programs



OBJECTIVE

The objective was to manage AWS by including activities related to Patch Management, Snapshot, EC2 Management, RDS Management.



AWS Components and AWS Activities

Customer's AWS environment consists of following components

- Elastic Cloud Compute (EC2):** Is a service that provides resizable and secure computing capacity. Two EC2 instance are managed for the project – Production and Staging
- Relational Database Service (RDS):** Is a service used to setup, operate and scale relational database on cloud. RDS current supports MySQL, MariaDB, PostgreSQL, Oracle, and Microsoft SQL Server DB engines. One PostgrSQL RDS instance is created and managed for production instance
- Identity Access Management (IAM):** Is used to control authentication and authorization to access AWS resources
- Simple Email Service (SES):** Cloud-based email sending service designed send marketing, notification, and transactional emails.
- Simple Storage Service (S3):** It is a service that provides object storage through a web service interface

AWS Activities	Components		Snapshot		Patch Management	
	Past (Before takeover from previous AWS vendor)	Current (After takeover from previous AWS vendor)	Past (Before takeover from previous AWS vendor)	Current (After takeover from previous AWS vendor)	Past (Before takeover from previous AWS vendor)	Current (After takeover from previous AWS vendor)
Production	<ul style="list-style-type: none"> Application Database Client Documents 	<ul style="list-style-type: none"> Application Client Documents 	Total 3 snapshots were taken	Automated twice a day snapshot procedure is set (each snapshot to be retained for 90 days) and is under observation	No Patch Management	Patch Management is done every quarter
Staging	<ul style="list-style-type: none"> Application Database Client Documents 	<ul style="list-style-type: none"> Application Database Client Documents 	Approximately 4 backups taken	Manual Snapshot is taken every month	No Patch Management	Patch Management is done every quarter
RDS	No RDS instance	Created RDS instance (db.t2.micro - 1GB RAM) Production is connected to RDS	No RDS instance	Automated daily snapshot procedure is in place (each backup stored for 30 days) - stored on AWS' s3	N/A	N/A
Snapshot	Available – Look at Snapshots (Past) column in Production and Staging	Available – Look at Snapshots (Current) column in Production and Staging	Available – Look at Snapshots (Past) column in Production and Staging	Available – Look at Snapshots (Current) column in Production and Staging	N/A	N/A



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Thank you
