

www.sonatascalable.com.au

GLOBAL LOGISTICS GROUP

POWERED BY SAP ON AMAZON
WEB SERVICES



**SONATA
SCALABLE**
THE PLATFORMATION™ COMPANY

About the Customer

Desk to Desk Courier & Cargo (also known as DTDC or DTDC Express Limited) is a courier delivery services company headquartered in India.

From its beginnings in 1990 as a small courier delivery operation, DTDC has grown to become a public, multi-national logistics company, handling more than 12 million shipments every month to 220 countries around the world.

DTDC is now a one-stop store for e-tail services, offering marketplace listing, multivendor management, warehousing and fulfilment, cross-border solutions, last-mile delivery, reverse logistics management, sample showrooms and more.

With enhanced service solutions such as end-to-end consignment tracking, electronic notifications, an online BOOK+PRINT+PAY solution and web-based invoicing and compliance portals, data management is at the heart of the company's operations.



The Challenge

The company's opportunities to grow and explore additional service offerings were constrained by:

01 *Small and unscalable data centre*

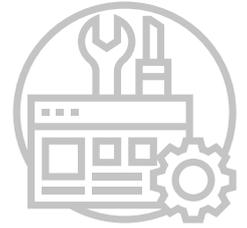
02 *High costs of outsourcing database infrastructure management*

Our Solution

After evaluating multiple cloud providers, DTDC engaged Sonata Software to implement SAP Hybris Billing Module on Amazon Web Services (AWS)

01 — SAP Services

- SAP Hybris billing module with HANA database of greenfield deployment
- SAP Solution Manager (Solman) installed for centralized application management and administration
- SAP Quick Sizer for sizing



02 — AWS Services



- SAP HANA database on EC2 instance with SLES 12 SP4 FOR SAP.
- EBS volumes for EC2 Storage for Application and Database servers.
- Site to Site VPN to ensure seamless and secure data transmission
- S3 for HANA backups & other backups
- EC2 Reserved Instances

03 — Security Solutions

- AWS Identity and Access Management (IAM) service to grant role-based access.
- Multi-Factor Authentication added to accounts and individual users
- Public access to AWS resources is allowed only through client VPN.
- Security groups implemented to restrict access to certain ports between the servers



04 — Monitoring and Detection



- AWS cloud watch has been enabled for Infra-structure monitoring, along with configuration of basic (Infra level like CPU and custom alerts (disk utilization, memory utilisation).
- AWS CloudTrail is enabled.
- All servers are in a single availability zone, with backups enabled
- AWS Trusted Advisor is enabled for best practice checks and recommendations
- Quarterly reviews of cloud infrastructure and cost optimization measures recommended

The Benefits

The entire infrastructure for SAP Hybris billing module was provisioned quickly enabling accelerated adoption

Cloud-based infrastructure allows for increases to production servers in the event of additional load during month end or quarter end

Faster time to value

Scalable

Amazon Web Services (AWS) offers an 'always on' form of computing, sending alerts and triggering actions when thresholds (CPU usage / memory) are reached, delivering a mission critical environment in a highly cost-effective way

Increased stability

Reduced costs

DTDC is only charged for the infrastructure resources that are used



The Sonata Scalable approach to cloud transformation

Most enterprises tend to view the cloud as only one part of their infrastructure stack. Sonata Scalable helps businesses embrace Cloud Platformation™ as a framework for their broader digital agenda.

Sonata Scalable's unique Cloud Platformation™ approach delivers a superior cloud journey, ensuring every piece of the digital stack operates in cooperation with lower-level stacks and responds on demand.

Sonata Scalable's Platformation™ approach to managed cloud services provides an ecosystem that is scalable, open, connected, and intelligent. We have a proven track record with Azure, AWS & Google alliances on IT infrastructure, cloud, and solutions.

Sonata Scalable's managed services for cloud offer design, delivery, and daily operational support for computing, storage, and virtual networks on the cloud environment.

About Sonata Scalable

Sonata Scalable is the Australian arm of a global technology company specialising in platform-based digital transformation, supporting businesses to become connected, open, intelligent and scalable. Sonata's Platformation™ methodology brings together industry expertise, platform technology excellence, design innovation and strategic engagement models to deliver sustained value to customers. A trusted partner of world leaders in the retail, manufacturing, distribution, travel, services and software industries, Sonata's software portfolio includes the Brick & Click Retail Platform®, Modern Distribution Platform®, Rezopia Digital Travel Platform®, Kartopia E-commerce Platform®, Halosys enterprise development automation Platform®, CTRM Commodity Trading and Risk Management Platform® and KODO - AI Powered Customer Experience (CX) Platform. Sonata's Platformation approach ensures services built on Microsoft Dynamics 365, Microsoft Azure, AWS, Cloud Engineering and Managed Services deliver on the Platformation promise. As world leaders in digital technologies including IoT, Artificial Intelligence, Machine Learning, Robotic Process Automation, Chatbots, Block Chain and Cyber Security, Sonata's people and systems are nurtured to deliver on our commitment to excellence in business technology solutions.

ANZ: Brisbane · Sydney · Melbourne

USA: Dallas · Fremont · Bridgewater · Redmond · Atlanta · Chicago

Asia: Bangalore · Hyderabad · Singapore · Dubai · Doha

UK & Europe: Brentford · Frankfurt · Amsterdam · Paris · Copenhagen

info@sonatascalable.com.au | www.sonatascalable.com.au

Follow us on [LinkedIn](#)