



SAP ASE 15.7 TO 16.0:
A PROACTIVE MIGRATION
AND DR ARCHITECTURE
SUCCESS STORY

Staying up-to-date with software versions is crucial for businesses to uphold operational efficiency, security, and compliance within their infrastructure. SAP ASE, a longstanding player in the database management domain, has seen its older iterations, such as SAP ASE 15.7, reach their end-of-life phase, prompting organizations to consider the imperative need for upgrading.

For companies reliant on SAP ASE 15.7, the need to upgrade to a supported version, such as SAP ASE 16.0, becomes imperative. Running on an obsolete version exposes organizations to various risks, including heightened vulnerability to security threats, potential non-compliance with industry regulations, and limited access to technical support. Moreover, operating on unsupported software inhibits businesses from leveraging the latest features, optimizations, and performance enhancements available in newer releases.

This case study delves into the imperative for companies to upgrade from outdated software, the strategic solution devised to navigate this transition, and the transformative benefits realized through proactive action.

CLIENT PROFILE:

As a leading stock broking company in India, our client has been at the forefront of providing comprehensive investment services across various asset classes, such as equity, debt, mutual funds, commodities, and currencies, all accessible through a unified login platform.

CHALLENGES:

Operating across 14 branches, our client grappled with the repercussions of relying on SAP ASE 15.7, an obsolete version nearing its end of life. The inherent risks associated with running unsupported software, including heightened vulnerability to security breaches and regulatory non-compliance, necessitated urgent action. The primary challenge lay in upgrading to SAP ASE 16.0 while concurrently fortifying the system's resilience through a robust Disaster Recovery (DR) architecture.

THE SOLUTION:

Understanding the criticality of the situation, we embarked on a comprehensive migration and DR architecture project, driven by meticulous planning and execution.

- **Upgrade to SAP ASE 16.0:** Adopting a phased approach, we initiated the migration process, ensuring minimal disruption to the client's operations. By diligently upgrading one branch server each weekend, we mitigated the risks associated with a sudden overhaul. Through this methodical approach, we seamlessly transitioned the entire infrastructure to SAP ASE 16.0, thereby mitigating compliance risks and enhancing system security and performance.
- **Disaster Recovery Architecture:** Concurrently, we devised a resilient DR architecture comprising Near DR (NDR) and Far DR (FDR) solutions. By establishing redundancy and failover mechanisms, we eliminated single points of failure and bolstered the availability of critical systems. This strategic decision provided the client with the assurance of business continuity in the face of unforeseen disasters, safeguarding their operations and reputation.

THE IMPACT

The strategic migration and DR architecture initiatives yielded transformative outcomes for the client:

- 1) Mitigation of Compliance Risks:** By upgrading from an obsolete version to SAP ASE 16.0, the client effectively addressed potential auditing and compliance risks. Operating on outdated software posed a significant threat to their regulatory adherence, which was mitigated through proactive action.
- 2) Enhanced Resilience and Availability:** The implementation of a robust DR architecture significantly bolstered the resilience and availability of the client's systems. The establishment of NDR and FDR solutions ensured uninterrupted business operations, even in the event of disruptions, thereby enhancing their overall operational resilience.
- 3) Cost-Effective Solution:** Ahana's strategic approach led to substantial cost savings for the client:
 - Cost savings achieved by not selecting an HACMP based HA solution: Approximately 5.5 million INR cost reduction due to leveraging alternative high availability solutions.
 - Reusing existing ASE/RS licenses: Approximately 30% cost reduction compared to purchasing new licenses.
- 4) Performance Improvement:** Migration and optimization efforts resulted in a remarkable 25% improvement in overall system performance.
- 5) Ease of Maintenance:** Streamlining processes and implementing automation tools led to approximately 20% reduction in maintenance time and effort.
- 6) Training Efficiency:** Enhanced system familiarity and documentation resulted in a 30% reduction in training time and resources required for staff.
- 7) Maintenance Cost Reduction:** Enhanced system stability and proactive maintenance practices led to approximately 15% reduction in maintenance costs.

CONCLUSION

In navigating the transition from an end-of-life software version to a supported one, coupled with the implementation of a robust Disaster Recovery architecture, we empowered our client to overcome significant challenges and embrace a future-proof solution. By prioritizing security, compliance, and resilience, we not only addressed immediate concerns but also positioned the client for sustained success in an ever-evolving technological landscape. This underscores the importance of strategic planning, meticulous execution, and proactive collaboration in achieving transformative outcomes amidst complex challenges.

ABOUT AHANA SYSTEMS AND SOLUTIONS

Ahana Systems & Solutions is a leading IT Infrastructure Management Services and Digital Transformation company based in Bengaluru, India. Our expertise extends to a wide range of solutions, including Cloud, RPA, DB & EDW, BI & Analytics, and Application Development. Our 100+ roster of clients relies on us for our deep domain expertise, skilled resource base, and proven partnership with the best technology providers.

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