



V3iT Consulting, Inc.

A MULTINATIONAL AEROSPACE MANUFACTURING CORPORATION STARTS SAP ERP & SAP BASIS TO ENHANCE ENGINEERING OPERATIONS

Optimizing System Performance & Improving Engineering Operations in an Aerospace Manufacturing Company

The Client

An American multinational corporation that designs, manufactures, and sells airplanes, rotorcraft, rockets, satellites, telecommunications equipment, and missiles worldwide. They implemented an SAP ERP system to streamline their business processes. However, they encountered several performance issues, including slow response times, system downtime, and inefficient resource utilization. To address these challenges, they sought the assistance of an SAP Basis consultant at V3iT to optimize their SAP system.

V3iT has helped customers save 40% of their current SAP Cost while getting 30% more resources to support on various projects.

The Challenge



Slow Response Times

Users experienced delays while executing transactions and generating reports, impacting productivity.



System Downtime

The SAP system experienced frequent unplanned downtime, causing disruptions to critical business operations.



Inefficient Resource Utilization

The company's hardware infrastructure was not effectively utilized, leading to unnecessary costs and reduced system performance.

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SAP CASE STUDY - MANUFACTURING

The Solution



Performance Analysis

The SAP Basis consultants conducted a thorough performance analysis of the SAP system. This involved reviewing system logs, transaction response times, and resource utilization metrics. They identified the areas causing performance bottlenecks and formulated a plan to address them.



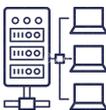
System Tuning

To improve response times, the consultants optimized various system components. They fine-tuned the database parameters, performed indexing on frequently accessed tables, and adjusted the workload distribution across application servers. This helped in reducing the time taken to execute transactions and generate reports.



High Availability Setup

To minimize system downtime, the consultants implemented a high availability setup using SAP's recommended technologies. They configured an SAP system landscape with redundant application servers, database servers, and network components. Additionally, they set up automatic failover mechanisms to ensure continuous system availability.



Load Balancing

To optimize resource utilization, the consultants implemented load balancing techniques. They configured SAP's workload distribution mechanism to evenly distribute user requests across multiple application servers. This prevented overloading of individual servers and ensured efficient utilization of hardware resources.



System Monitoring and Maintenance

The SAP consultants established a robust system monitoring and maintenance strategy. They implemented SAP Solution Manager to proactively monitor system performance, identify potential issues, and automate routine maintenance tasks. Regular system health checks, patching, and database maintenance activities were carried out to prevent performance degradation.

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The Result



Improved Performance

The response times of transactions and reports significantly improved, enhancing user productivity and satisfaction.



Increased System Availability

The high availability setup minimized unplanned downtime, ensuring uninterrupted access to critical business processes.



Optimal Resource Utilization

Load balancing techniques reduced hardware resource wastage, resulting in cost savings and improved system performance.



Enhanced System Stability

The proactive monitoring and maintenance strategy helped identify and resolve issues before they impacted system stability.



Scalability and Future Readiness

The optimized SAP system architecture provided a scalable foundation to accommodate future business growth and technology advancements.



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V3iT Helped To Achieve

Through the expertise of V3iT's SAP Basis consultants, the manufacturing company successfully addressed performance challenges in their SAP system. By optimizing system performance, implementing high availability measures, and improving resource utilization, they experienced improved efficiency, stability, and user satisfaction.

This clearly highlights the importance of SAP Basis expertise in optimizing and maintaining an SAP system for optimal performance and business operations.

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