

Virtual Orchestration for SAP

Enterprise-Class SAP – Virtualized and Orchestrated

Unisys Infrastructure Management Suite

Infrastructure Management Suite solutions are designed to help clients move toward the promise of a Real-Time Infrastructure (RTI) by providing a data center that expands and contracts based on business needs, operates with high availability and flexibility, runs with peak efficiency and high utilization, and reduces capital and operational expenses.

Business Problem

- Traditional infrastructures are dedicated to individual SAP applications, often with too much resource or too little resource, resulting in underutilized assets or loss of business due to insufficient capacity.
- Business systems like SAP are often cyclical, with daily, weekly, monthly and/or yearly peaks. Sizing systems for these peaks results in a costly waste of resource.
- Production availability is impacted by infrastructure maintenance; it is often difficult to schedule suitable times and costly to manage.
- IT organizations do often need a way to monitor the performance of their SLA's to ensure they are meeting prescribed requirements.
- While IT capital expenditure is reduced through the adoption of virtualization, the operational expense of managing this virtual infrastructure has negated a large portion, if not all, of these gains.

What is Virtual Orchestration for SAP Infrastructures?

As SAP server consolidation through virtualization undergoes explosive growth, IT finds itself with a larger and more flexible infrastructure to manage. Virtual Orchestration addresses one of the largest infrastructure issues facing IT organizations today – reducing the operational expense associated with repetitive and time consuming tasks while improving flexibility and efficiency.

Virtual Orchestration automates IT workflows and orchestrates the multitude of virtualization platforms. It significantly reduces the administrative burden of managing requested virtual machines in dynamic, virtualized environments and addresses significant challenges in the areas of IT service delivery automation, service-level performance improvement, and optimizing IT efficiencies and cost containment. Virtual Orchestration positions our clients to seize opportunities in achieving higher levels of customer retention, improved business agility, and lower IT TCO by allowing businesses to effectively address increased demand and IT to respond proactively in delivering the services when and where the business requires.

Part of the Unisys Infrastructure Management Suite (IMS) of solutions, Unisys uOrchestrate in combination with Microsoft System Center Virtual Machine Manager 2008 (SCVMM) provides optimal resource allocation and operational process automation – reducing risk and cost, while improving quality of service. More, the Unisys ES7000 family of servers offer a pool of server resource to deliver 'just in time' capacity to meet business demands.

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Solution Set

The Unisys Virtual Orchestration solution consists of leading-edge virtualization & automation technologies designed to help clients begin to reduce their dependency on over provisioned and underutilized servers, minimize multiple server technologies, and reduce the complexity of managing a diverse infrastructure.

The Unisys Virtual Orchestration solution for SAP Infrastructures consists of key deliverables:

- **Unisys ES7000 family of servers** offer enterprise-class computing solutions based on industry-standard technology. Whether you're looking for a powerhouse virtualization platform or best-in-class database and online transaction processing capabilities.
- **Unisys uOrchestrate Software** automates IT processes across all elements of the IT infrastructure. This ability to define, build, orchestrate, manage, and report on IT workflows – also called run book automation – enables real-time, policy-based control and delivers higher IT operational efficiencies.
- **Microsoft Hyper-V** is a hypervisor-based server virtualization technology and an integral feature of Windows Server 2008. Hyper-V allows to consolidate virtual machines (VMs) running on a single physical machine and also efficiently run multiple different operating systems—Windows, Linux, and others.
- **Microsoft System Center Virtual Machine Manager 2008 (SCVMM)** is a unified, multi-vendor management solution for the virtualized data center that helps enable centralized administration of physical and virtual assets.
- **Industry-leading design and implementation services** including client workshop, assessment and design services, and implementation.

Client Benefits:

Unisys Virtual Orchestration solution let you change the balance of IT investments to double the value of IT to your business.

- Hard cost savings by moving server utilization rate from 10-15% to 50-70% resulting in reduced capital expenditures, savings in power consumption, cooling and real estate
- Advanced workload optimization that minimize cost by reducing the need for “just in case” servers
- Intelligent distribution of workloads across available servers to maximize server utilization
- Improved customer satisfaction is achieved through proactive monitoring and problem resolutions in real-time through policy-based resource orchestration and provisioning

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