

# SAP: Higher Performance, Greater Efficiency

Cisco understands that better business decisions rely on SAP infrastructure for fast access to reliable information.

Cisco UCS eliminates the challenges that keep SAP applications from delivering the right information at the right time. With an innovative and unified architecture, Cisco UCS reduces SAP landscape sprawl, improves visibility into virtualized SAP environments, and shortens response time for SAP workloads at a lower cost.

## The Right Platform for SAP Workloads

Designed with the knowledge that no two SAP deployments are identical, Cisco UCS offers choice and flexibility in server deployment. IT departments can run SAP enterprise applications on high-performance Cisco UCS blade or rack servers that support incremental scaling in a consolidated footprint.

## A Leading Platform for SAP HANA

Cisco UCS and SAP HANA deliver the massive scale-out capabilities needed for big data, growth-oriented applications, and analytics. IT departments can rapidly scale deployments to many nodes in high-performance, highly available configurations. Using more servers and distributing data-loading and analysis tasks takes advantage of massively parallel processing to deliver outstanding response. Users can choose either EMC or NetApp storage and take advantage of SAP IT Process Automation by Cisco for special SAP HANA features.

## Streamlined SAP Deployment and Management

Reliable, repeatable workflow automation built into Cisco UCS and Cisco Tidal Software helps streamline SAP deployment and migration processes.

- Perform troubleshooting procedures and isolate incidents to improve technical monitoring.
- Automate tasks for Run SAP operations and procedures to improve system administration.
- Automate incident response and corrective action processes to improve service desk operations.
- Perform custom operations and procedures across heterogeneous landscapes, including custom system copy procedures before and after system refreshes, for improved SAP landscape operation.

## For More Information

Please visit <http://www.cisco.com/go/sap>

## Optimized Performance for Virtualized SAP Environments

Cisco Data Center VM-FEX technology eliminates the burden of virtual machine switching from the hypervisor, giving SAP applications access to more host CPU cycles and I/O throughput.

The combination of Cisco UCS and Cisco Data Center VM-FEX technology delivers an integrated solution that enables performance gains through support for up to 11 percent more users and through reduced database access latency, effectively accelerating user queries by up to 29 percent.

See [http://www.cisco.com/en/US/solutions/collateral/ns340/ns517/ns224/ns944/whitepaper\\_c11\\_703103.pdf](http://www.cisco.com/en/US/solutions/collateral/ns340/ns517/ns224/ns944/whitepaper_c11_703103.pdf) for more information.

SAP Environment	Cisco UCS Server	Benefits with SAP Enterprise Applications	SAP HANA Blade Server Scale-Out Solutions
Small to medium sized	B200 M3 Blade Server	<ul style="list-style-type: none"> <li>• Up to 80 Gbps of I/O capacity</li> <li>• Equal connectivity to SAN or NAS storage</li> <li>• Lower licensing costs with 2-socket server</li> </ul>	<ul style="list-style-type: none"> <li>• Up to 8 TB of memory</li> <li>• EMC or NetApp external storage</li> <li>• High availability and disaster recovery across data centers</li> </ul>
Medium sized to large	B420 M3 Blade Server	<ul style="list-style-type: none"> <li>• Large memory capacity for higher performance</li> <li>• Up to 160 Gbps of I/O capacity</li> <li>• 4-socket server at an economical price</li> </ul>	<b>SAP HANA Rack Server All-in-One Solutions</b>
Mission critical	C460 M2 High-Performance Rack Server	<ul style="list-style-type: none"> <li>• Extreme memory capacity</li> <li>• I/O flexibility and bandwidth with 10 PCIe slots</li> <li>• Up to 12 TB of internal storage</li> </ul>	<ul style="list-style-type: none"> <li>• Extra-small, small, and medium-sized rack-mount solutions</li> <li>• Up to one-half TB of compressed user data</li> <li>• Sized to fit in one Cisco UCS C-Series Rack Server with internal storage</li> </ul>