



SAP Note 901070 - Resource requirements for SAP Enterprise Core Component 6.0

Note Language: English

Version: 4 Validity: Valid Since 19.07.2007

Summary

Symptom

Initial sizing observations for SAP Enterprise Core Component (ECC) 6.0

More Terms

Sizing, resource requirements, performance, upgrade, hardware

Cause and Prerequisites

Customers plan hardware expenditures prior to upgrading to SAP ECC 6.0

Solution

Status November 2005: Initial sizing observations are based on measurements on one hardware platform and valid for Enterprise Core Component 6.0, Service Pack 2. This information is changing regularly and is based on initial measurements and observations. First measurements with the SAP Standard Application Benchmarks and additional measurements with roughly one hundred additional transactions show the following findings:

CPU:

The number of database calls did not increase. Additional CPU and memory may be necessary to achieve the same throughput on the database server, because of additional indexes, larger table rows, more database users or different behavior of the cost-based optimizer. Please note that the resource requirements of the database server may depend on the database platform and the used database release, too. The application server CPU usage depends on the hardware platform. Initial measurements show an additional CPU usage of about 0%-5% on average for the tested business processes, strongly depending on the business process. Please note that an additional impact on the CPU consumption of the application server and the database server was observed when moving from a 32-Bit to a 64-Bit operating system.

Memory (allocated):

Around 5%-10% more on the application server. Customers with a more dialog based workload will need more memory than customers with a more batch-oriented workload. Please note that this guideline does not include extended memory or virtual memory, but only physical one.

Disk (business data):

Strongly depends on the database and the implemented business scenario. Estimates are: 0% - 5% more disk space.

The basis for the delta numbers is Enterprise Core Component 5.0. Please note that the resource consumption can also depend on the applied Service Release.

If a conversion from non-Unicode to Unicode is part of your upgrade, then check <http://service.sap.com/unicode>. Verification through the GoingLive Functional Upgrade Service is strongly recommended.

Header Data

Release Status:

Released for Customer

Released on:

19.07.2007 08:43:37



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Master Language: English
Priority: Recommendations/additional info
Category: Performance

Primary Component: BC-UPG-PRP Upgrade Preparation

Valid Releases

Software Component	Release	From Release	To Release	and Subsequent
SAP_APPL	600	600	600	

Related Notes

Number	Short Text
1311835	Resource requirements for SAP ERP Central Component 6.0 EHP4
778774	Resource requirements for SAP Enterprise Core Component 5.0
752532	Resource Requirements for SAP R/3 Enterprise 47x200
551344	Unicode Conversion Documentation
517085	Resource Requirements for SAP R/3 Enterprise 47x110
323263	Resource Requirements for Release 4.6 C SR1
311644	IS-Oil performance: Collective note
113795	Resource Requirements for Release 4.5
89305	Resource requirements for release 4.0 A / 4.0 B
85524	Sizing SAP Business Solutions (e.g. with the Quick Sizer)