IBM/BaaN IV*c* or *BaaN ERP*

Sizing and Planning Questionnaire

For EMEA, please contact Web:
http://D06DBL51.portsmouth.uk.ibm.com/i_dir/ibmtl1.nsf

For Americas and AP, please send it to:
eSizings@us.ibm.com

<div align="center">

IBM/eBusiness Sizing Center
Sizing Questionnaire
BaaN IVc or BaaN ERP

</div>

CUSTOMER INFORMATION:

Company Name:		
Street Address:		
City, State Zip:		
Customer contact:	**E-Mail address:**	
Phone Number:	**Fax Number:**	
Industry/Business Description:		
IBM Sales Specialist contact:		
Phone Number:	**E-Mail address:**	
Baan Sales contact:	**Phone Number:**	
Business Partner Name:		
Busi. Partner contact:	**E-Mail address:**	
Phone number:	**Fax Number:**	

Introduction:

Thank you for providing IBM this information for sizing your environment using **BaaN** application**,** the current release of Baan's Enterprise Resource Planning (ERP) model software. This information will allow us to make a recommendation based on your business environment and requirements.

The accuracy of this sizing estimate is dependent upon many variables such as the accuracy of the information provided by you, the customer, (we recognize that it may be difficult to provide exact numbers on your environment) and the actual usage of the system in a real-time environment. Sizing should be viewed as an iterative process.

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Thank you...we look forward to working with you!

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Production Environment for <u>Baan IVc ONLY</u>

Preferred Platform:

iSeries   pSeries   xSeries   zSeries

Company Wide Total <u>*Concurrent*</u> Users

FUNCTIONAL MODULE	Concurrent Users
Baan IV Sales & Product Configuration (Sales users who run compiled configurations) **	
Baan IV Product Configuration Designers (Users who run uncompiled configurations) **	
Baan IV Distribution, Purchase	
Baan IV Distribution, Sales	
Baan IV Finance	
Inquiry Only (e.g. managers who only look up data)	
Baan IV Manufacturing	
Baan IV Process	
Baan IV Project, Build Actual Cost Control **	
Baan IV Project, Calculator (BOP) **	
Baan IV Project, General Maintenance	
Baan IV Service	
Baan IV Tools, Administrator	
Baan IV Developer (on Production)	
Baan IV Transportation	
Baan IV Aerospace & Defense (Please contact IBM Sizing team) **	
TOTAL CONCURRENT USER NUMBER	

- **Please make sure that this total concurrent user numbers are matched with page 5 total concurrent user number in User Information section.**

# of average **additional** tasks/sessions **per each user** in addition to their **One main task**.		Default: 1 additional task
Quantify the number of Batch jobs (MRP, PRP, Print jobs, etc.) **during online DAY time**.		Default: 2 jobs
Average daytime Batch workloads (%)		Default: 20%
Number of **additional** Baan companies for DB (It's very much dependent on each customer of using Baan software)		Default: 0 (only ONE company)

- **For descriptions and detailed explanations, please refer to page 7 and 8****

Production Environment for <u>**Baan ERP ONLY**</u>

Preferred Platform:

RS/6000   Netfinity   S/390   AS/400

Company Wide Total _Concurrent_ Users

FUNCTIONAL MODULE	Concurrent Users
BaanERP Central Invoicing	
BaanERP Common Data	
BaanERP Electronic Commerce	
BaanERP Enterprise Performance Manager	
BaanERP Enterprise Planning	
BaanERP Finance	
BaanERP Inquiry	
BaanERP Manufacturing	
BaanERP Manufacturing Product Orders	
BaanERP Order Management	
BaanERP Order Management Sales + PCF	
BaanERP Project	
BaanERP Project, Build Actual Cost Control	
BaanERP Quality Management	
BaanERP Service	
BaanERP Tools	
BaanERP Warehousing	
TOTAL CONCURRENT USER NUMBER	

- **Please make sure that this total concurrent user numbers are matched with page 5 total concurrent user number in User Information section.**

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- **For descriptions and detailed explanations, please refer to page 7 and 8****

General System Requirements:

Database/Recovery:

Database** to be used (Select from below**)	
Disk options if applicable	Disk mirroring or RAID-5
Disk fill option (%) - Default : 70% utilization	%
Failover system needed ?	Yes/No
If Yes, what % of your total workload needs to run in failover mode?	
Failover to? (Application, Development, Test, Training, etc.)	

** Database selection: DB2, Oracle, Informix, MS SQL Server(Netfinity only)

Non-Production Systems:

Will your Baan implementation include the following systems? If yes, please indicate the number of peak concurrent users on each system		Number of Concurrent users
Separate Development System?	Yes/No	
Separate Test System?	Yes/No	
Separate Training System?	Yes/No	

User Information:

Client type	Total # of Named Users	Total # of Logged-on Users	Total # of Concurrent Users
ASCII			
Windows			
X-Windows			

BaanERP does NOT support ASCII nor X-Windows Users.
The total Named users determine Disk requirements, Logged-on users determine Memory requirements, and Concurrent users determine CPU requirements.

System Safety Margin (percentage):

It has been IBM's experience to "size" the proposed systems with 25% safety margin. However, there are customers that would prefer that we size with more head room. Please indicate the percentage of the safety margin that needs to be considered for our sizing recommendation.

System Safety Margin Preferred (%)		Default 25%

Batch and other Workload

Batches are programs without user interaction(like MRP, PRP, update statistics...). Even heavy print programs and query programs are, in fact, batches and hard to size. Please list and describe the type of batch jobs, frequency of run, and time frame that you are running.

Batch Type	Yes / No	Frequency of run	Day / Night	
Print jobs				
MRP run				
MPS run				
PRP run				
DRP run				
EDI				
Others				

The Baan Sizing Guide recommends to add additional processor(CPU) per each set of 2 or 3 active batches running concurrently with interactive users.

Description and Detailed Explanations:

Sizing Methodology:

The BaaN Sizing utility has been developed as an estimation tool to approximate system resource requirements for the installation of BaaN application. This utility was developed by IBM which is based on BaaN Sizing Guideline and is updated regularly when New BaaN Sizing Guidelines are published by BaaN.

The Sizing utility computes the total BRU (Baan Reference User) requirements for CPU, memory requirements, and DASD storage requirements for a BaaN implementation based on the total peak concurrent users, logged-on users, and named users provided by the customer. Any additional requirements for growth, mirroring, RAID, Operating System software or other customer software must be added to the totals resulting from these computations.

General System Requirements:

v   Database to be used (DB2, Informix, Oracle, MS SQL Server, etc.).
v   Disk Mirroring required? This allows operation to continue in the event of disk failure.
v   Failover System:
        In the event of a PROCESSOR failure, do you require another system to take over?
        If yes, what percentage of your total workload needs to run in failover mode (100%, 75%, 50%, etc.) as a backup system?
        Please indicate what system hardware you would like to serve as your failover system. Some examples are: Application Server, Development System, Test System, or another system in idle standby.

Non-Production Systems: Development, Test, Training Requirements

It is advisable to have a permanent processor dedicated to ongoing development (new releases, testing function etc.). Additional systems for testing, and/or training employees may also be desired. Please indicate your preferences.

Client Information

The Baan application supports both character based user interfaces as well as graphical user interfaces (GUI)
- ASCII, X-Workstation, Windows - and depend upon the percentage of each client type, the CPU and Memory requirements could be vary.

Users

Please complete this information as accurately as possible. Be sure **not to double count** users. Classify users where they spend a **majority** of their time each day.

- Named Users: indicates the maximum number of users who can potentially log on to the system.   If not provided, we assume named users are 50% greater than the number of logged-on users. Named   users determine disk requirements.

- Logged-On Users: indicates the maximum number of logged-on users that are **NOT** actively interacting with the system. If not provided, we assume logged-on users are 35% greater than the number of concurrent users provided (ie.: 65 concurrent users = 100 logged-on users). Logged-on users determine memory requirements.

- Concurrent Users: indicates the maximum number of **active** or **peak** users during any given hour of the day. A concurrent user **IS** actively interacting with the system. Concurrent Users determine processor size.

** This user counts must be provided by module in order to size the system appropriately **

Average *additional* Tasks/Sessions per user

Please indicate number of average additional tasks or sessions that each user would normally open while he/she is working along with main task. For example, a user could open a print session and lookup session while he/she is doing main sales order entry task which will be total of three tasks opened for this particular situation. Each additional task requires 1- 2.5 MB of memory per user depend upon the total workloads.

Default: 1 (1 more task in addition to their main task)

Batch Workload

Batch Jobs can create a significant workload and should be kept at a minimum level during online sage hours. Batch jobs are programs that do not require user intervention (MRP & PRP runs, Update statistics, heavy print programs, query programs, etc. and are normally difficult to size). Baan Sizing Guide recommends to add additional processor(CPU) per each set of 2-3 active batches running concurrently with interactive users. Please list all type of batch jobs, frequency of run, and time frame(day or night) as much as possible.

Also please **quantify the number of batch jobs running concurrently with interactive jobs during on-line DAY time** and **average batch workloads percentage.** How many batch jobs(MRP, MPS, PRP, DRP runs, and print jobs) you are running during on-line day time. This information needed for additional memory and CPU requirements.

Default: 2 batch jobs
Default: 25% batch

Additional Number of Baan Company

In a Baan database each Baan 'company' is using its own 'private' table-set. This means that tables are not shared between companies. This provides a natural, transparent way to partition the Baan application.
The possibilities of having multiple companies are very much dependent of the way a customer is using the Baan application. This has to be investigated first. Additional Baan companies affect disk space requirements.

Default: 0 (only ONE Baan Company defined in database)