

APPLIES TO:

Hardware Sizing

SUMMARY

This article explains how to Perform the Hardware Sizing using Service Market Place.

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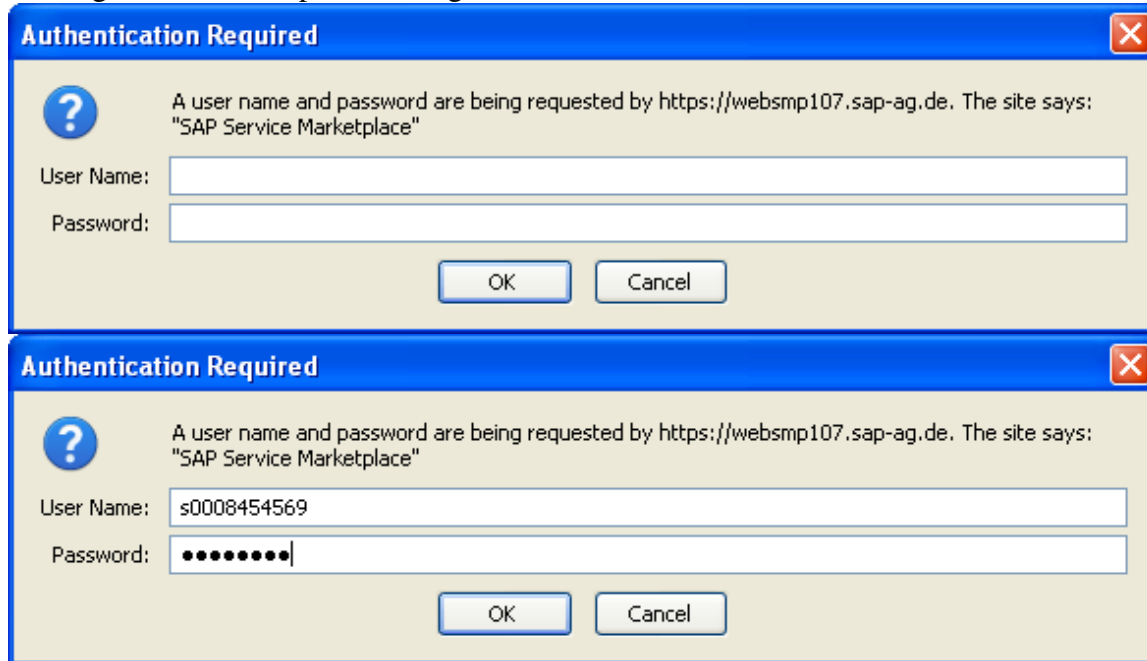
CREATED ON:

25th January 2012.

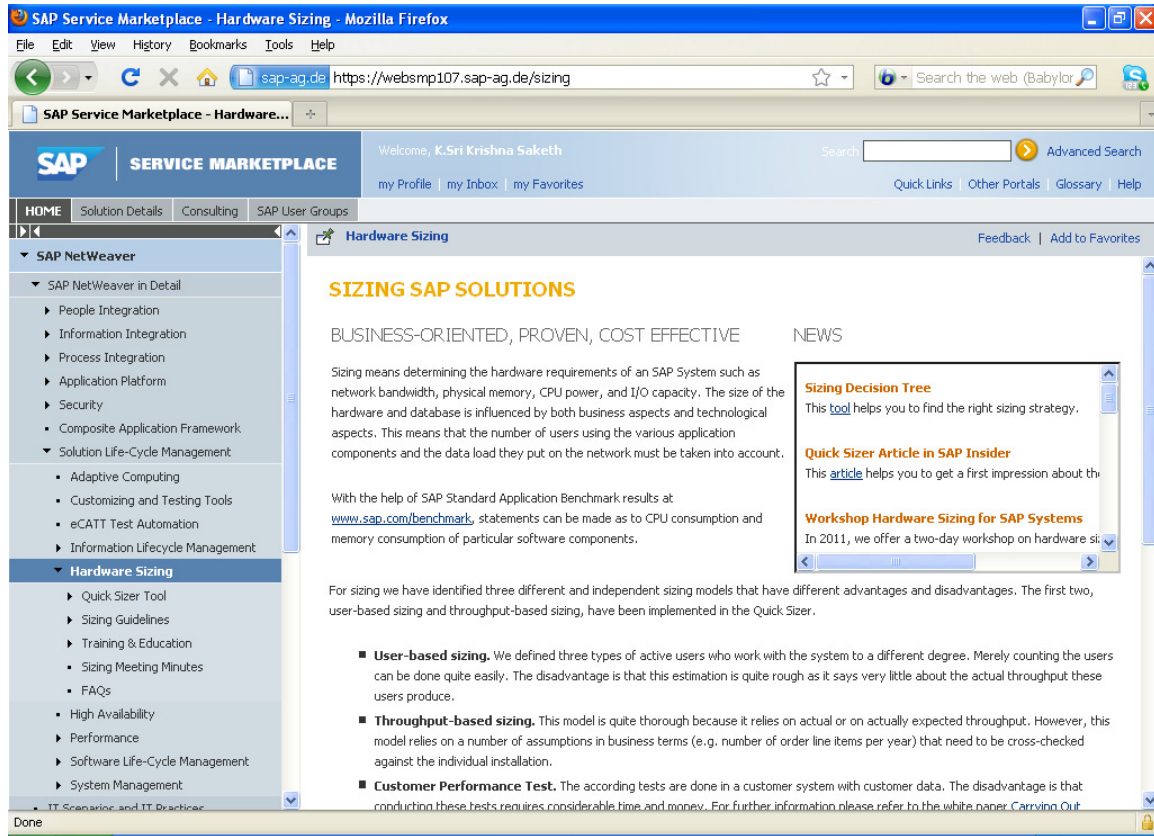


HARDWARE SIZING

- To perform sizing, generally implementation partner along with customer will be doing sizing.
- We need to have an S-user Id. (fully authorized S000***** Pwd “*****”)
- Login to service.sap.com/sizing.



The screen is popped up as below.



SAP SERVICE MARKETPLACE Welcome, K.Sri Krishna Saketh

HOME Solution Details Consulting SAP User Groups

SAP NetWeaver

- SAP NetWeaver in Detail
 - People Integration
 - Information Integration
 - Process Integration
 - Application Platform
 - Security
 - Composite Application Framework
 - Solution Life-Cycle Management
 - Adaptive Computing
 - Customizing and Testing Tools
 - eCATT Test Automation
 - Information Lifecycle Management
 - Hardware Sizing**
 - Quick Sizer Tool
 - Sizing Guidelines
 - Training & Education
 - Sizing Meeting Minutes
 - FAQs
 - High Availability
 - Performance
 - Software Life-Cycle Management
 - System Management
- IT Scenario and IT Practices

SIZING SAP SOLUTIONS

BUSINESS-ORIENTED, PROVEN, COST EFFECTIVE

Sizing means determining the hardware requirements of an SAP System such as network bandwidth, physical memory, CPU power, and I/O capacity. The size of the hardware and database is influenced by both business aspects and technological aspects. This means that the number of users using the various application components and the data load they put on the network must be taken into account.

With the help of SAP Standard Application Benchmark results at www.sap.com/benchmark, statements can be made as to CPU consumption and memory consumption of particular software components.

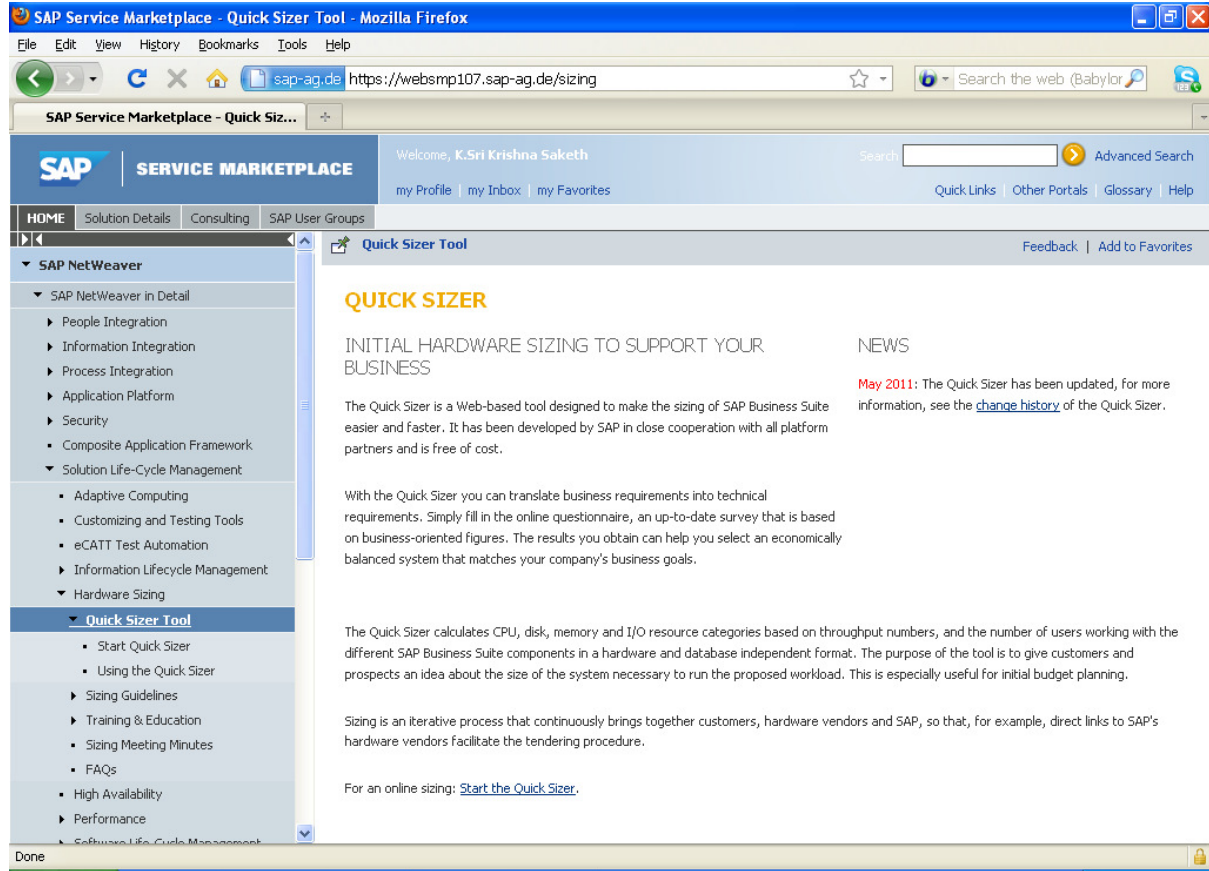
For sizing we have identified three different and independent sizing models that have different advantages and disadvantages. The first two, user-based sizing and throughput-based sizing, have been implemented in the Quick Sizer.

NEWS

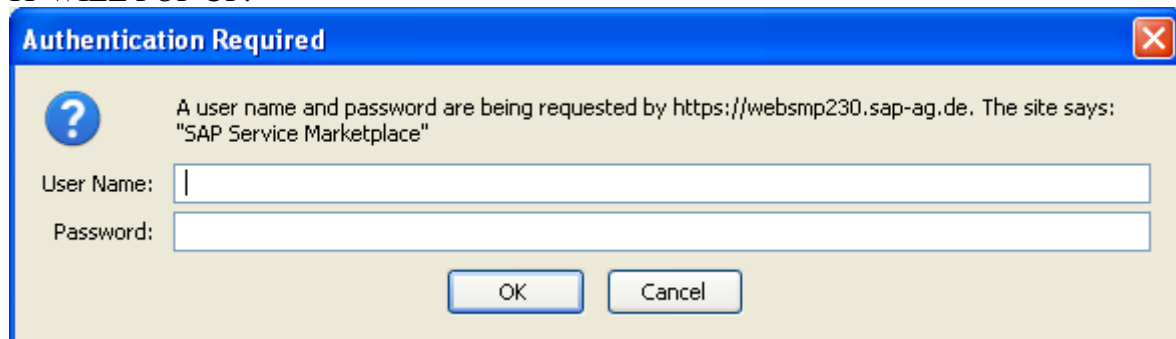
- Sizing Decision Tree**
This [tool](#) helps you to find the right sizing strategy.
- Quick Sizer Article in SAP Insider**
This [article](#) helps you to get a first impression about the
- Workshop Hardware Sizing for SAP Systems**
In 2011, we offer a two-day workshop on hardware si

- **User-based sizing.** We defined three types of active users who work with the system to a different degree. Merely counting the users can be done quite easily. The disadvantage is that this estimation is quite rough as it says very little about the actual throughput these users produce.
- **Throughput-based sizing.** This model is quite thorough because it relies on actual or on actually expected throughput. However, this model relies on a number of assumptions in business terms (e.g. number of order line items per year) that need to be cross-checked against the individual installation.
- **Customer Performance Test.** The according tests are done in a customer system with customer data. The disadvantage is that conducting these tests requires considerable time and money. For further information please refer to the white paper [Carrying Out](#)

Navigate to the TAB, “QUICK SIZER TOOL” → “START QUICKER SIZER TOOL”

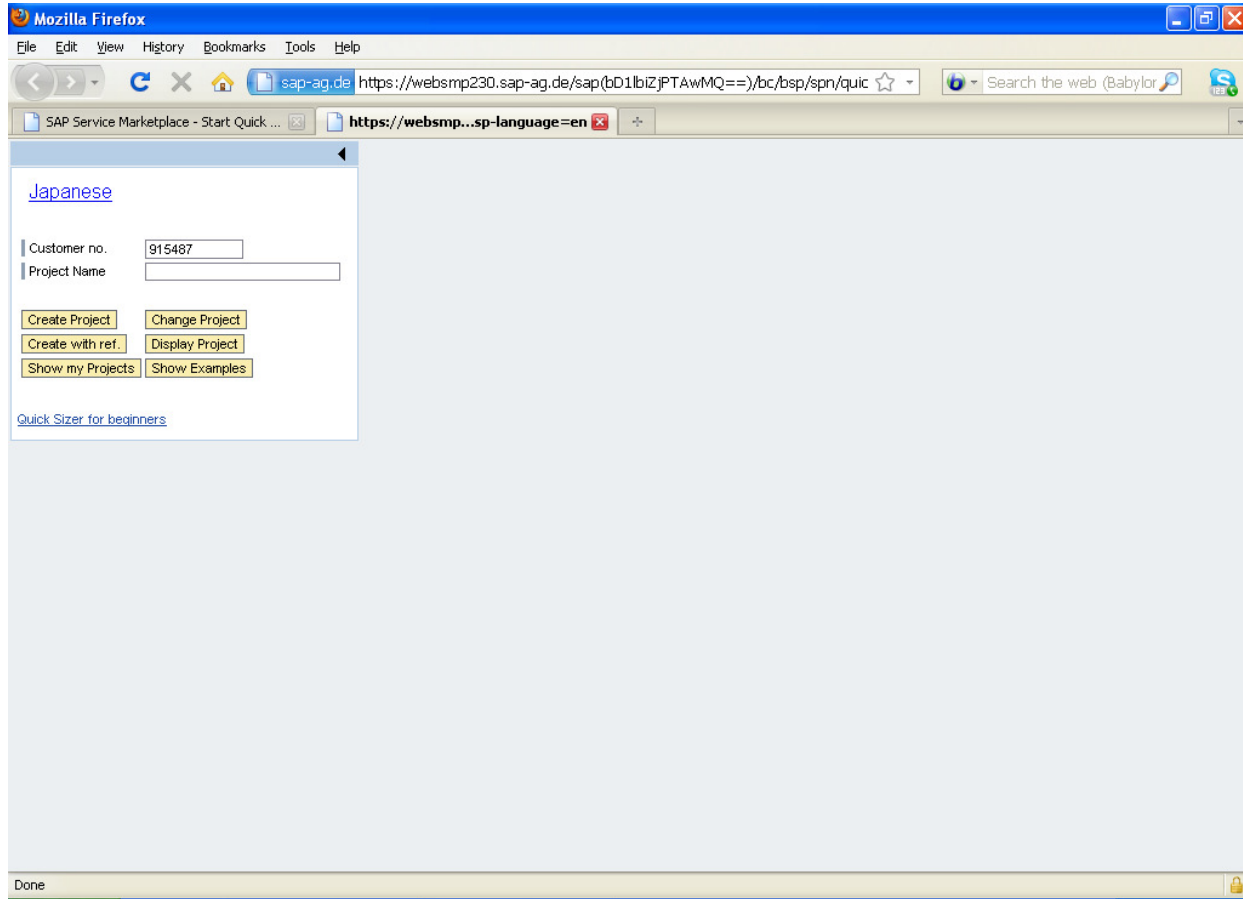


IT WILL POP UP.

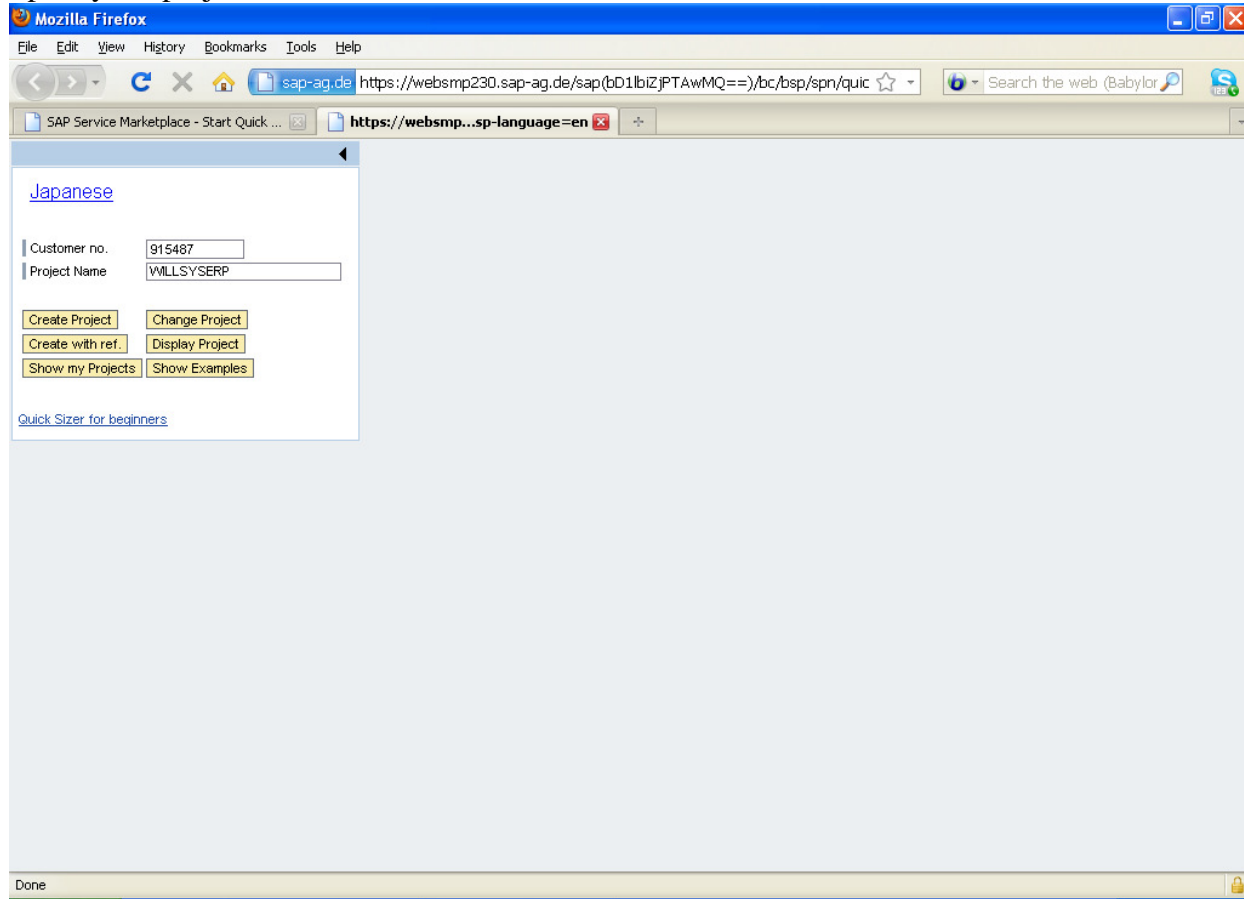


R S-User id /Pwd.

Now we can see the screen as below.

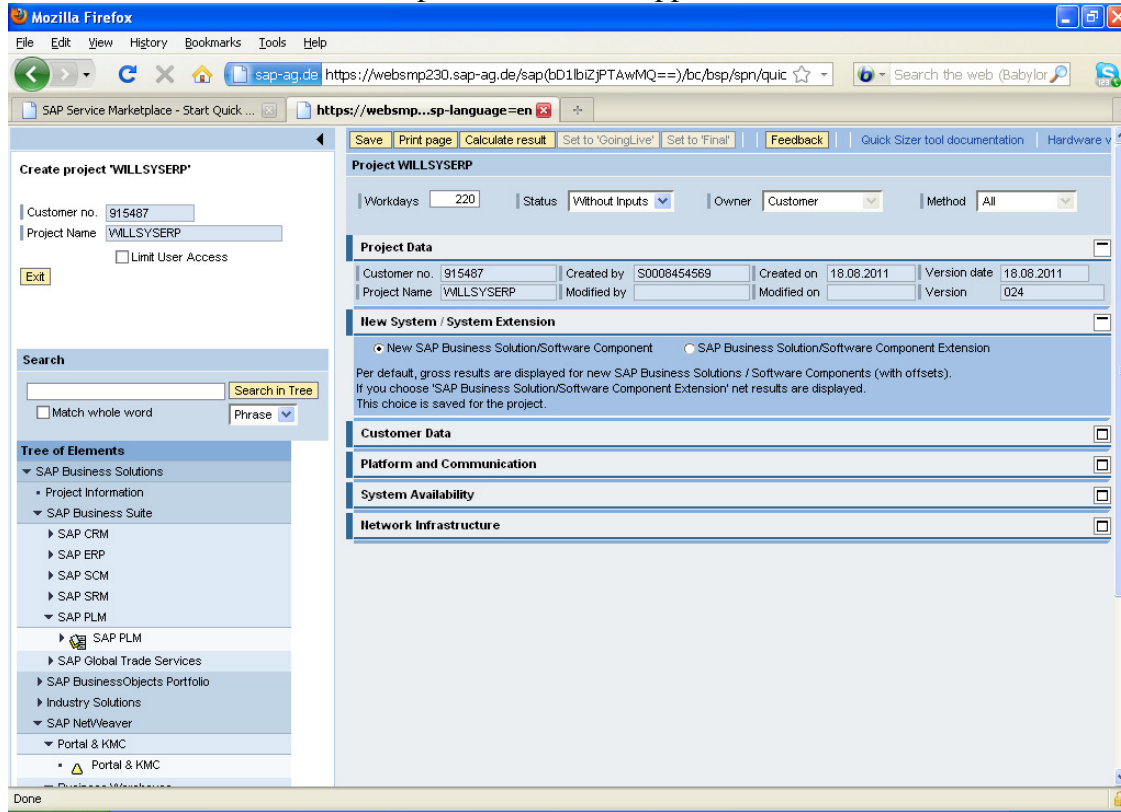


Specify the project name.

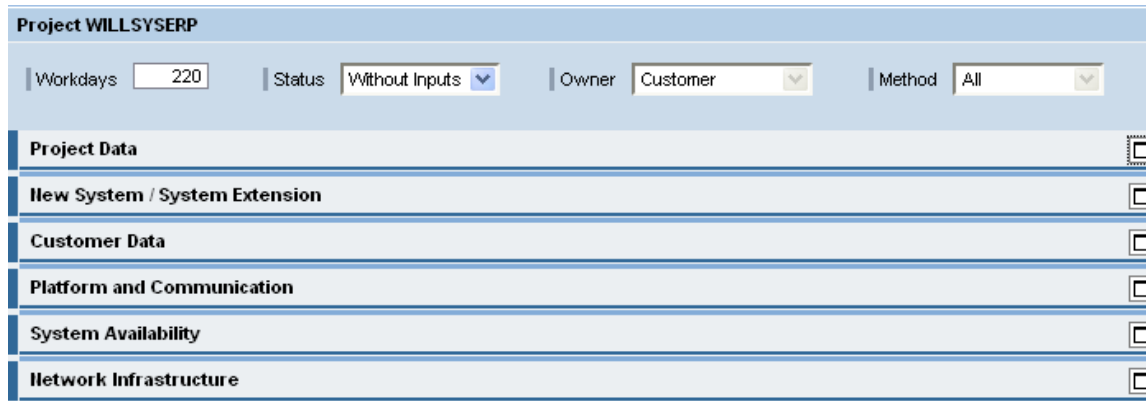


Click on **Create Project** .

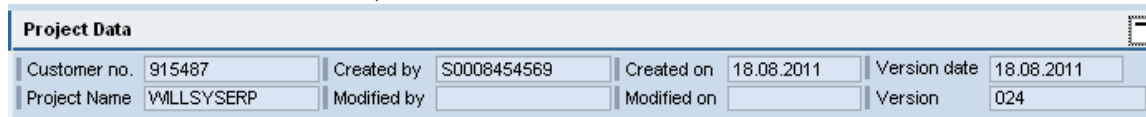
As soon as we click on the tab specified a screen appears as below.



We need to fill the data



We need to enter the details ,



New System / System Extension

New SAP Business Solution/Software Component
 SAP Business Solution/Software Component Extension

Per default, gross results are displayed for new SAP Business Solutions / Software Components (with offsets).
 If you choose 'SAP Business Solution/Software Component Extension' net results are displayed.
 This choice is saved for the project.

We need to provide these details because; SAP has to communicate the customer.

Customer Data

i The input below is for informational purposes only. It has no impact on the Quick Sizer calculation.

Customer	<input type="text" value="willsysap"/>	Phone	<input type="text" value="+919848605355"/>	Start Product.	<input type="text" value="25.08.2011"/>
Contact name	<input type="text" value="Administrator"/>	Fax	<input type="text" value="040-23732609"/>	Start pilot phase	<input type="text" value="27.08.2011"/>
E-mail	<input type="text" value="info@willsys.net"/>				

Next fill the details as below,

Platform and Communication

i The input below is for informational purposes only. It has no impact on the Quick Sizer calculation.

Which systems do you require?

- Productive Sys.
- Consolidation system
- Development System

Database & Operating System

Database	<input type="text" value="DB2 UDB"/>
Details of DB (e.g. version, parallel)	<input type="text" value="9.1"/>
Current size of DB (in GB)	<input type="text" value="552"/>
Operating System	<input type="text" value="WINDOWS"/>
Details of OS (e.g. version)	<input type="text" value="2003 server enterprise edition"/>

Communication

Any special requirements regarding system-system communication?

For more information on databases and operating systems see the Service Marketplace using quick link: [platforms](#)

Next fill the details.

System Availability

i The input below is for informational purposes only. It has no impact on the Quick Sizer calculation.

Planned system downtime
A planned system downtime is a set of time-windows during which the system is not available for business processing.

Time	from	to
Monday	01:00	05:00
Tue.	01:00	05:00
Wed.	01:00	04:00
Thu.	01:00	02:00
Fri.	04:00	06:00
Sat.	02:00	04:00
Sun.	05:00	18:00

Unplanned down-time in %

Do you need more information?

Hard disk

Do you require disk mirroring?
 RAID required? If so, which RAID?
 I would like advice

Backup

What kind of backup do you plan to do?

How often do you plan to perform a backup?

I would like advice

Hardware high availability

High availability required?
 UPS for each system?
 Accept reduced performance during fail-over?

Fail-over to which server?

Min. distance between cluster nodes Metrs

Min. downtime for fail-over Hours

Next fill as below.

Network Infrastructure

i The input below is for informational purposes only. It has no impact on the Quick Sizer calculation.

End user, public network: Ethernet Others

Server Network: GigaEthernet Others











I would like advice

Front-end

Solution	SAPGUI for Windows		Browser-based GUI
	In LAN	In WAN	WebDynpro
SAP Customer Relationship Mgmt	<input type="text" value="20"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
SAP Enterprise Resource Planning	<input type="text" value="20"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
SAP ERP Financials	<input type="text" value="20"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
SAP ERP Human Capital Mgmt	<input type="text" value="50"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
SAP Product Lifecycle Mgmt	<input type="text" value="30"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
SAP Supplier Relationship Mgmt	<input type="text" value="20"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
SAP Supply Chain Mgmt	<input type="text" value="20"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
SAP NetWeaver	<input type="text" value="10"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

After specifying the details now we need to navigate to the screen for the component

Tree of Elements

- ▼ SAP Business Solutions
 - Project Information
 - ▼ SAP Business Suite
 - ▶ SAP CRM
 - ▼ SAP ERP
 - ▼  Financials
 -  Contract Accounting
 - [Biller Direct](#)
 - ▼  Human Capital Mgmt.
 -  E-Recruiting
 -  Logistics Execution
 -  Product Dev. & Execution
 -  Sales & Service
 - ▶  Corporate Services
 - ▶ SAP SCM
 - ▶ SAP SRM
 - ▼ SAP PLM
 - ▶  SAP PLM
 - ▶ SAP Global Trade Services
 - ▶ SAP BusinessObjects Portfolio
 - ▶ Industry Solutions
 - ▼ SAP NetWeaver
 - ▼ Portal & KMC
 -  Portal & KMC
 - ▼ Business Warehouse

Select the component from the tree above. click on the selected component. The is followed as below.

Table 1: Active Users - Standard Sizing

Clear Insert

Element	A/P	TI	Low activity use	Medium activity use	High activity use	Short text
<input checked="" type="checkbox"/> CS-USER	I A	IS				
<input checked="" type="checkbox"/> SD-USER	I A	IS				

Specify the users namely LOW/MEDIUM/ HIGH.

Fill the users as per the requirement.

Project WILLSYSERP

Workdays:
 Status:
 Owner:
 Method:

Messages

The system automatically saved the data for 'Project Information'.

SAP ERP 6.0 -> Sales & Service : Change

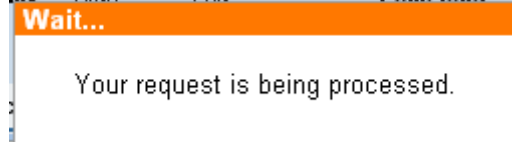
Avg. workday: Start End
 Peak load: Start End

Table 1: Active Users - Standard Sizing

Element	A/P	TI	Low activity use	Medium activity	High activity use	Short text
CS-USER	I A	S	60	100	30	
SD-USER	I A	S				

Click on tab.

Next click on . To get the result



After processing the details. The output is given as below.

Save **Result level** SAP solutions Quick Sizer tool documentation | Hardware vendors | Disc...

With charts | Details | Set to 'GoingLive' | Set to 'Final' | Feedback

Project WILLSYSERP

Workdays: 220 | Status: In progress | Owner: Customer | Method: All

Messages

- Corresponding sizings with the other sizing method can be entered in the Quicksizer for Questionnaire 'Sales & Service'.
- For results at different aggregation levels, choose another result level.
- The system automatically saved the data for 'Sales & Service'.

New System / System Extension

New SAP Business Solution/Software Component SAP Business Solution/Software Component Extension

Per default, the choice on the project information questionnaire is displayed.

Print pages

Classic approach | Combined approach

Print page | How to interpret the results | Details on classic approach

All | SAPS | Memory and disk

Active Users Results for SAP Business Solutions

You can find more information on 'Information Lifecycle Management' in the SAP Service Marketplace under [ILM](#)

Solution	Release	CPU cat.	SAPS (total)	DB SAPS	App. SAPS (ABAP)	SCU Class
ERP	6.0	S	2.200	500	2.000	A

Basically SAP gives sizing result as T-shirt sizing (S,M,L,XL,XXL).

Active Users Results for SAP Business Solutions									
Solution	Release	CPU cat.	SAPS (total)	Memory (total, MB)	DB Disk cat.	DB Disk (GB, total)	I/O Cat.	I/Os per s.	SCU Class
ERP	6.0	S	2,200	6,144	S	222	S	1,600	A

[Related Content:](#)

www.help.sap.com

www.sdn.sap.com/irj/sdn/index.

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