

# Primavera Enterprise

Ver. 3.0



م / خالد عبد العال

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ



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مع التقدم الكبير فى علوم الإدارة وانعكاس ذلك بالطبع على إدارة المشروعات تغير مفهوم إدارة المشروعات ليتحول إلى إدارة المؤسسة حيث يتم التعامل مع المشروع على أنه جزء من عمل المؤسسة لا ينفصل عن بقية مكوناتها. ومن خلال هذا الأسلوب فى الإدارة تكون الرؤية أشمل مما يسمح لمتخذى القرار فى المؤسسة باتخاذ القرارات السليمة المبنية على تصور واضح حيث تضمن هذه الطريقة توزيع موارد المؤسسة على المشروعات بطريقة مثالية وتحويل هذه الموارد من مشروع لآخر من خلال منظومة متكاملة.

ويتناول هذا الكتاب تطبيق الحاسب الآلى فى إدارة المشروعات باستخدام برنامج Primavera Enterprise كأحد البرامج الرائدة فى تطبيق المفهوم الحديث فى إدارة المشروعات حيث يتيح لنا هذا البرنامج إدارة مشروعات المؤسسة من خلال قاعدة البيانات الخاصة بالمؤسسة مع إمكانية المتابعة الدقيقة للمشروعات على جميع مستويات الإدارة بالمؤسسة.

وبالنسبة لمستخدمى برنامج Primavera Project Planner نوضح لهم أن شركة Primavera قد توقفت عن عمل إصدارات جديدة من البرنامج P3 حيث كان الإصدار 3.1 هو آخر الإصدارات حيث تتجه الشركة إلى تعميم برنامج Primavera Enterprise P3e .

وسوف يتضح لمستخدمى برنامج P3 أن هناك فروقا جوهرية فى طريقة معالجة البيانات فى برنامج P3e و P3. ومن خلال برنامج P3e نتعرف تفصيلى على أعمال التخطيط والمتابعة لمشروعات المؤسسة كما يلى:

### مرحلة التخطيط

يتناول الكتاب تفصيلى مرحلة التخطيط بدءاً من هيكل مشروعات المؤسسة Enterprise Project Structure (EPS) والهيكل التنظيمى للمؤسسة حتى مستوى النشاط Task حتى الوصول إلى حيز التنفيذ وذلك من خلال الآتى:

- إنشاء هيكل مشروعات المؤسسة EPS والذي يتم من خلاله عمل التنظيم الهرمي للمؤسسة.
- إنشاء الهيكل التنظيمي للمؤسسة
- **Organizational Breakdown Structure (OBS)** لتحديد مسئول عن كل جزء من العمل بالمؤسسة طبقاً لصلاحياته الوظيفية.
- إنشاء المشروعات الجديدة وتحديد البيانات الخاصة بكل مشروع وموقع المشروع في هيكل مشروعات المؤسسة.
- إنشاء الهيكل التفكيكي لكل مشروع
- **Work Breakdown Structure (WBS)**
- تحديد الأنشطة الخاصة بكل مشروع والبيانات الخاصة بكل نشاط مع إمكانية تقسيم النشاط الواحد إلى مجموعة من الخطوات.
- عمل التسلسل المنطقي للشبكة وذلك بعمل العلاقات المنطقية بين الأنشطة طبقاً لأسلوب التنفيذ المخطط.
- عمل حسابات الشبكة وتحديد تاريخ بداية ونهاية كل نشاط وتحديد المسار الحرج لكل مشروع وفترات السماح لكل نشاط
- عمل الميزانية العامة للمؤسسة وتحديد الميزانية المخططة لكل مشروع
- تحديد الموارد الخاصة بالمؤسسة والكميات المتاحة من هذه الموارد خلال الفترات المختلفة وسعر الوحدة لكل مورد وتوزيع هذه الموارد على الأنشطة المختلفة.
- تنظيم وتنسيق وترشيح البيانات تمهيداً لطباعة البرنامج الزمني بعد استكمال عناصر التخطيط.

### مرحلة المتابعة:

نتعرف من خلال مرحلة المتابعة على كيفية تحديث بيانات المشروع ومقارنة التنفيذ الفعلي بالمخطط من خلال الآتي:

- عمل البرامج المستهدفة Baselines.
- تحديث بيانات الأنشطة.
- مقارنة تواريخ ونسب إنجاز الأنشطة الفعلية بالمخططة.
- تحديث بيانات الموارد والتكلفة.
- مقارنة التكلفة الفعلية بالمخططة.

بالرغم من الإمكانيات الهائلة لبرنامج P3e حتى الإصدار 3.0 فهناك كثير من التحسينات المطلوبة من مستخدمى البرنامج والتي كانت موجودة ببرنامج P3 وتم حذفها من برنامج P3e وأتصور أن شركة Primavera سوف تأخذ هذه الاعتبارات فى الإصدارات التالية.

واستكمالا للفائدة فإنى أرحب بأى استفسار من القارئ أو أى ملحوظة على عنوان البريد الإلكتروني التالى [kh\\_abdelaal@hotmail.com](mailto:kh_abdelaal@hotmail.com)

وختاماً أسأل الله تعالى أن يعلمنا ماينفعنا وأن ينفعنا بما علمنا وبالله التوفيق.

/



# البداية

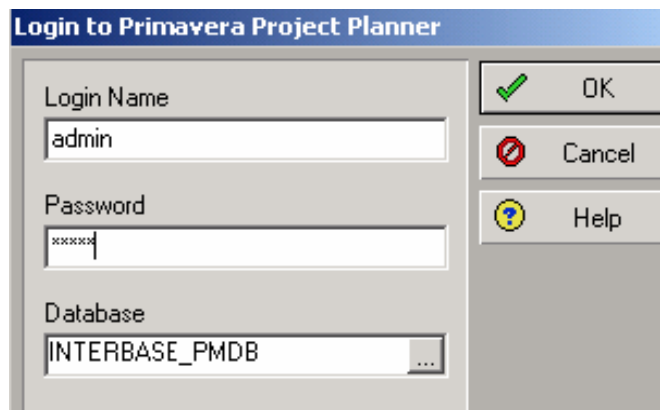
---

Programs      Start

Primavera Project Planner

Primavera Enterprise

:



P3e

Login Name

-1

admin

Password

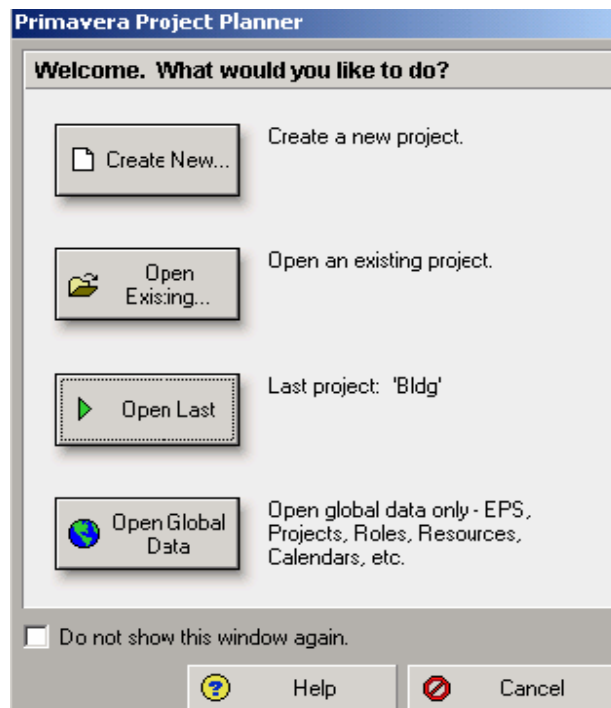
-2

Database -3  
Server

.OK

Interbase

:



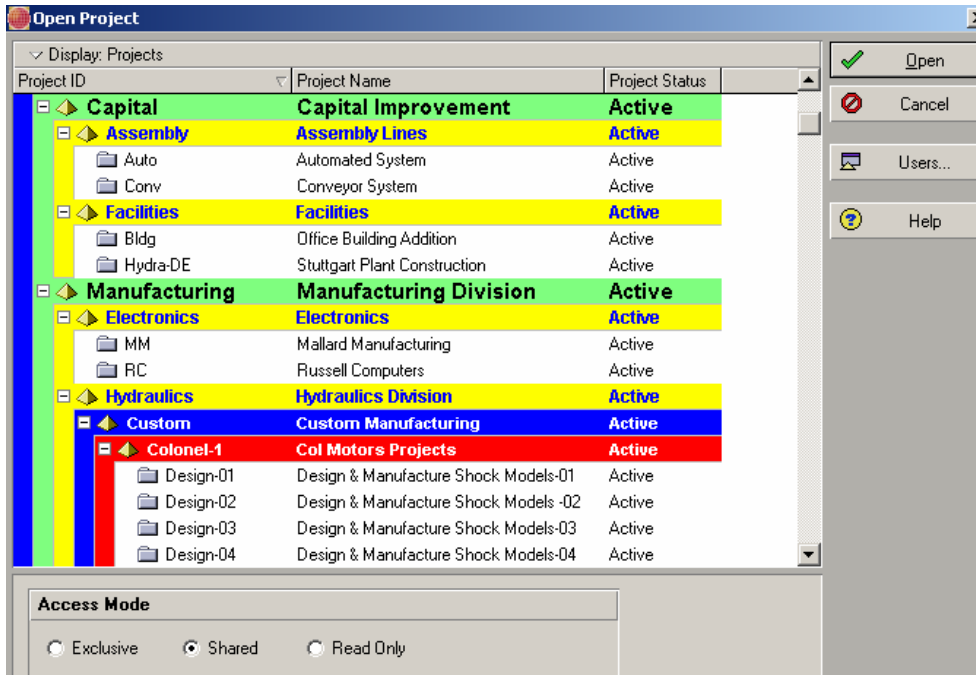
:

Wizard

Create New -1

.Wizard

## Open Existing -2



Open

.Open

Shift

.Ctrl

.Open

Access Mode : \_\_\_\_\_

:

**Exclusive**

**Shared**

**Read Only**

**Open Last -3**

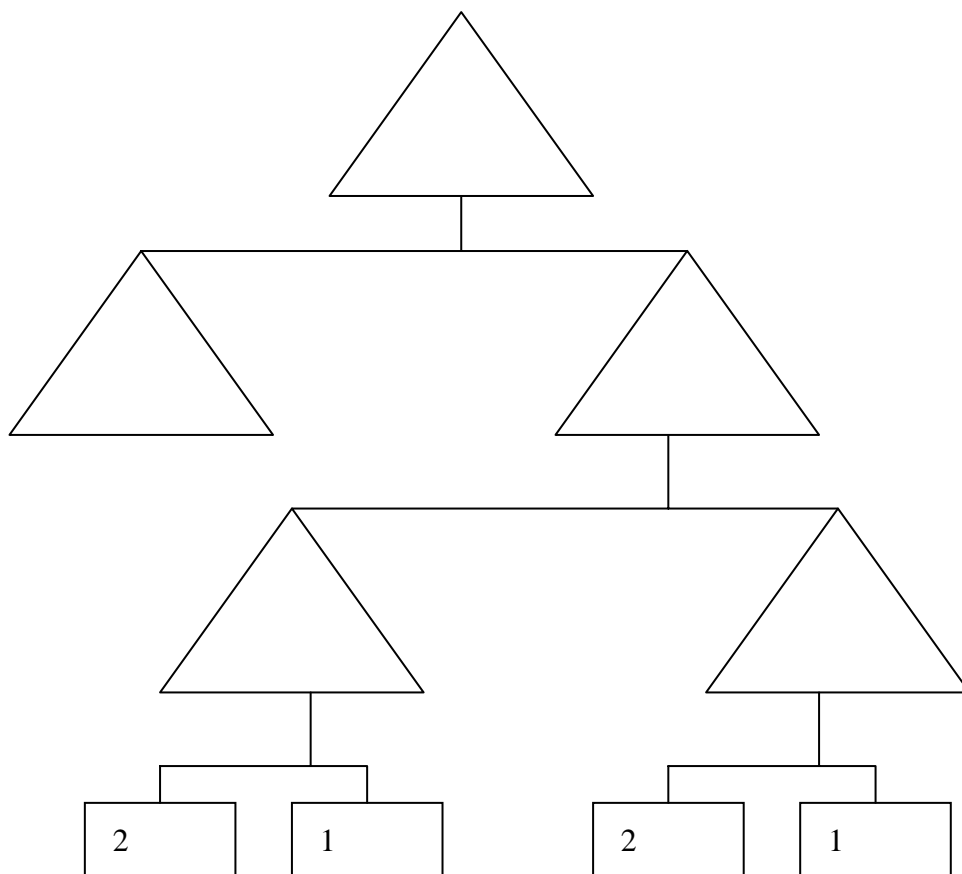
: **Open Global Data -4**  
(EPS - - )

**(Enterprise Project Structure (EPS**

---

P3e

EPS



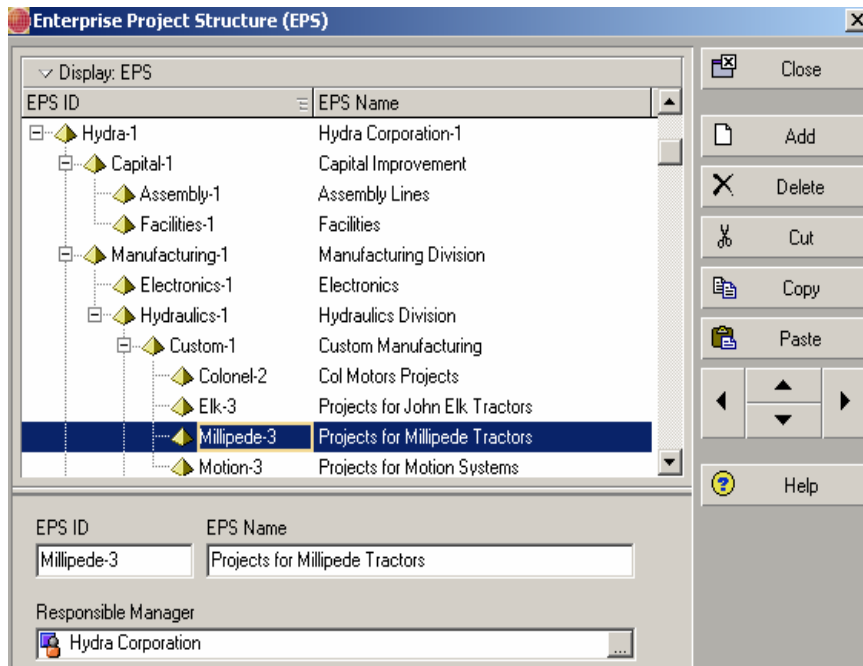
EPS

Nodes

Nodes

Open Global Data

: Enterprise Project Structure Enterprise

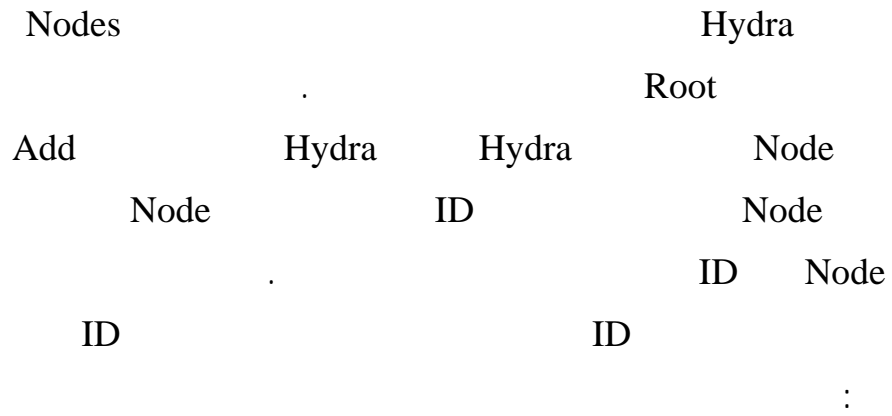


P3e

Hydra Corporation

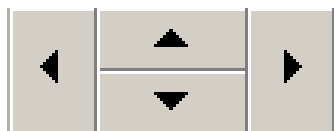
Nodes





EPS ID	EPS Name
Hydra	Hydra Corporation
Capital	Capital Improvement
Manufacturing	Manufacturing Division
NEWEPS	(New EPS)
NEWEPS-1	(New EPS)-1
Power	Power Generation Division
شركة المقاولات	شركة المقاولات

Node :



### Node

Node

Hydra

((Power

:

EPS ID	EPS Name
Hydra	Hydra Corporation
Capital	Capital Improvement
Manufacturing	Manufacturing Division
NEWEPS	(New EPS)
NEWEPS-1	(New EPS)-1
شركة المقاولات	شركة المقاولات
Power	Power Generation Division

:



Hydra

Display: EPS	
EPS ID	EPS Name
شركة المقاولات	شركة المقاولات
Hydra	Hydra Corporation
Capital	Capital Improvement
Assembly	Assembly Lines

Add

Node

:

EPS ID	EPS Name
شركة المقاولات	شركة المقاولات
فرع القاهرة	فرع القاهرة
إدارة الكبارى	إدارة الكبارى
إدارة الإنشاءات	إدارة الإنشاءات
فرع اسكندرية	فرع اسكندرية

(+) (-) Nodes

:

Node (+)

(+)

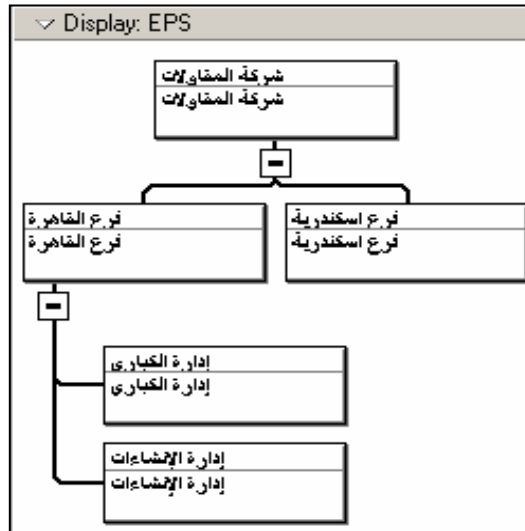
(+) (-)

Chart

Display Enterprise Project Structure

:

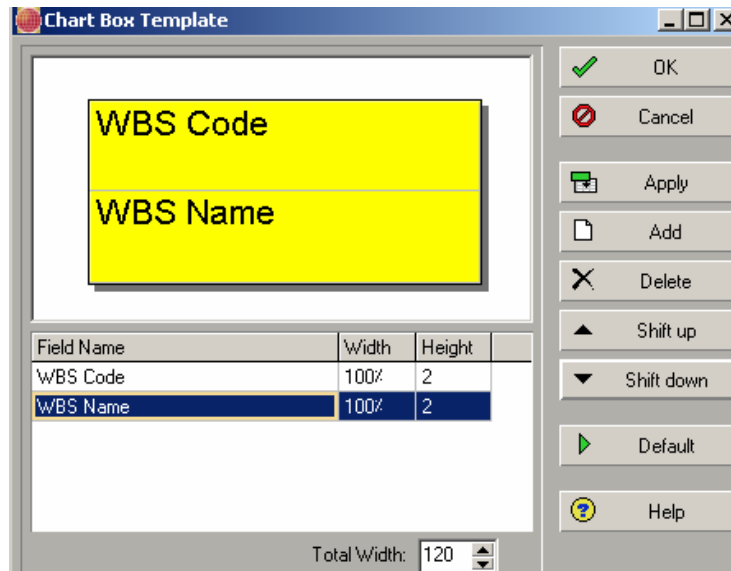
Chart View



Node

Customize Chart Box Template Display

:



Height Width  
Shift up/Down  
Apply  
OK  
Chart Fonts And Display  
Colors  
:  
File ..Create New  
: ..New





ID

ID

Hotel

Project Name

20

ID

:

Admin

ID Length

Admin Preferences

Project ID Maximum Characters

Next

ID

**Create a New Project**

**Project Start and End Dates**

Specify the planned start date and must finish by date for the project.

The Must Finish By date is the date by which all project activities must finish. If entered, it is used as the project late finish date by the project scheduler.

Planned Start: 01-Jun-02 00:00

Must Finish By:

© 1997-2001 Primavera Systems, Inc.

Cancel Prev Next Finish



Planned Start

Must Finish By

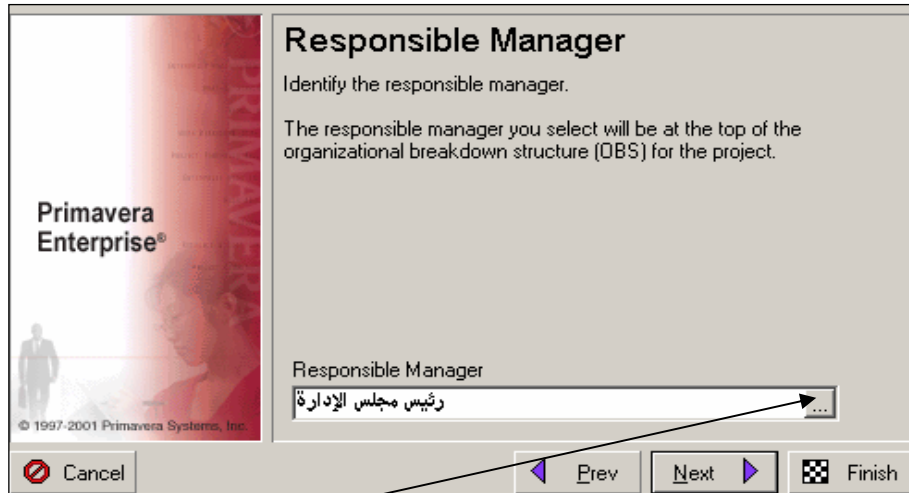
June 2002						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

Hour: 00:00

.Select

:

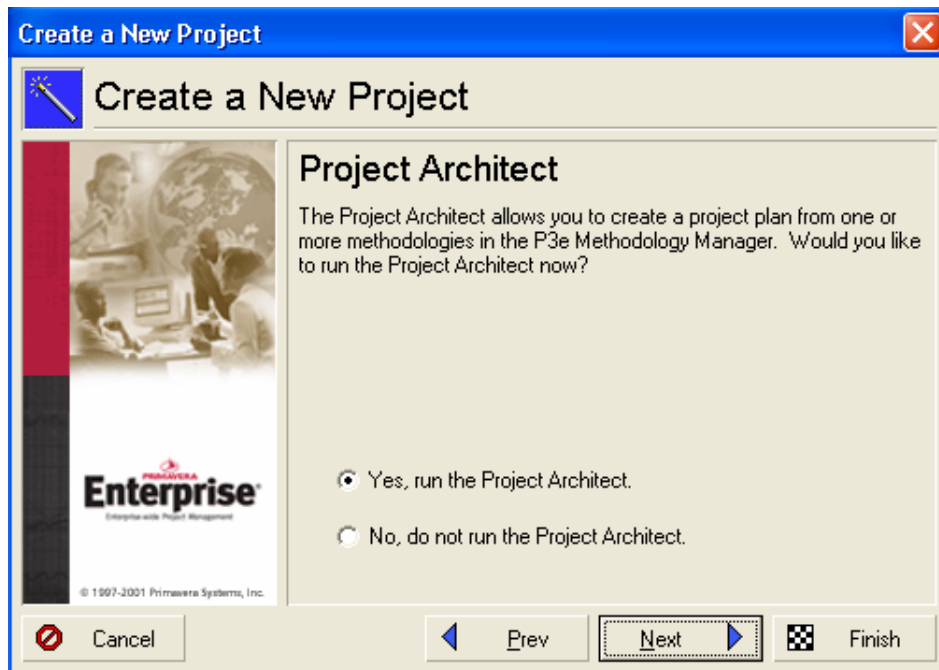
Next



:

Organization Breakdown Structure (OBS)

: Next



P3e

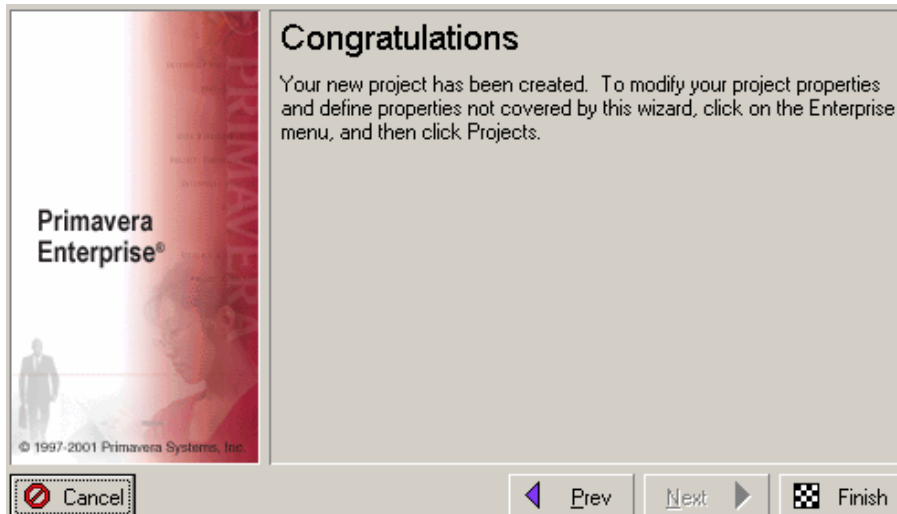
P3e Methodology Manager

Methodology Base

:

P3e Methodology

: Next No, don't run the project Architect



Finish



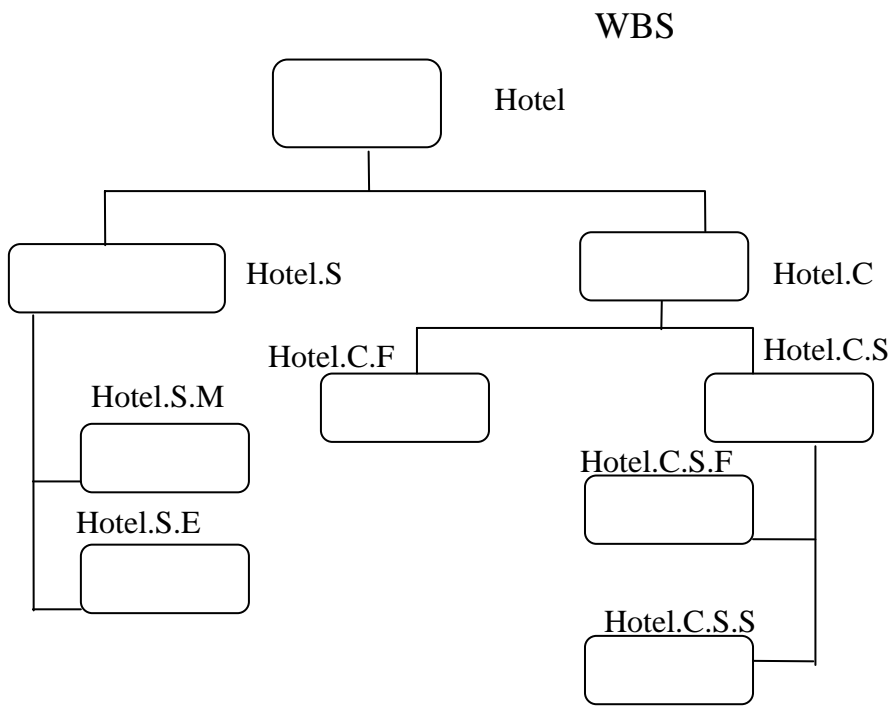
# Work Breakdown Structure

## WBS

---

**Work Breakdown Structure (WBS)**

(WBS)



:

4

WBS

.Hotel

.S

C

F

S

M

E.

F

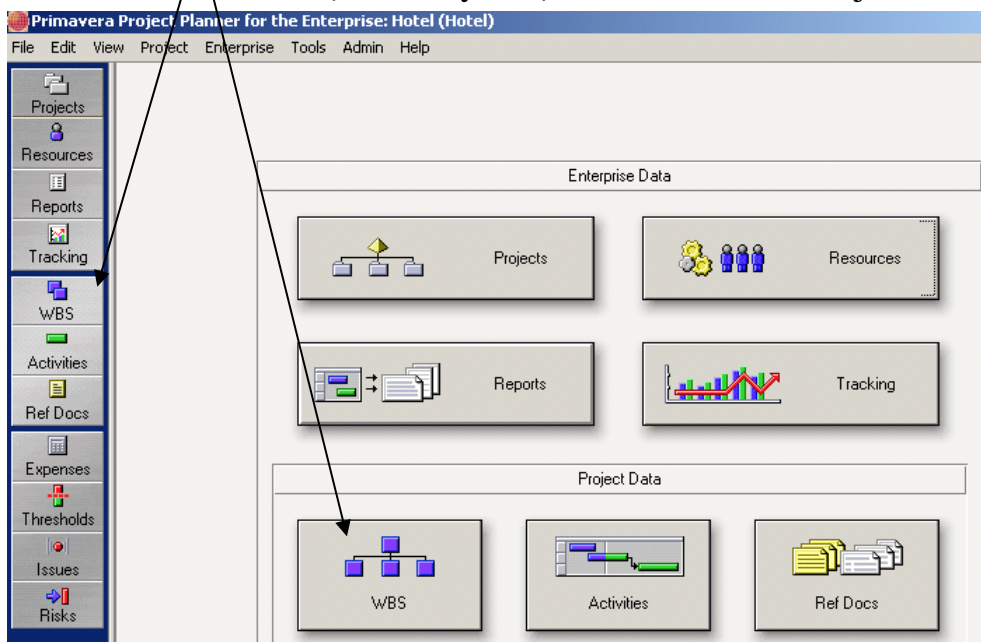
.S

: WBS

WBS

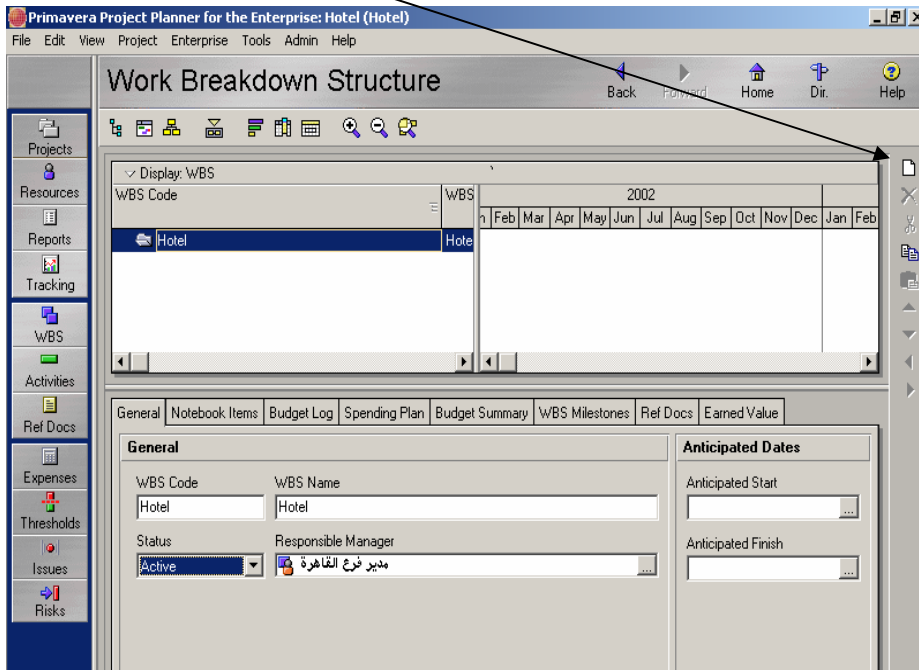
(Directory Bar)

Project Data



WBS                      Project                      WBS

WBS



WBS

:

WBS

.Insert

Add

Edit

-1

C

WBS

WBS

Code

-2

Hotel.C

WBS

WBS Code	WBS Name
Hotel	Hotel
Hotel.c	الأعمال المدنية

WBS                      WBS Name                      -3

WBS                      -4

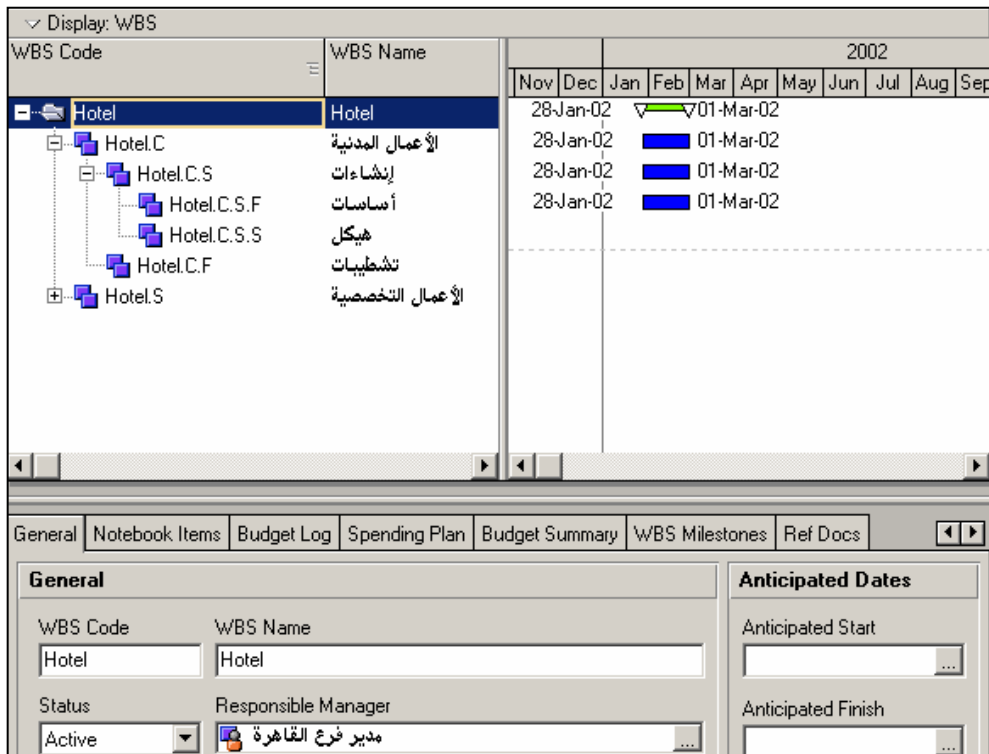


: WBS

WBS Code	WBS Name
Hotel	Hotel
Hotel.C	الأعمال المدنية
Hotel.C.S	إنشاءات
Hotel.C.S.F	أساسات
Hotel.C.S.S	هيكل
Hotel.C.F	تشطيبات
Hotel.S	الأعمال التخصصية
Hotel.S.M	ميكانيكا
Hotel.S.E	كهرباء

**WBS**

WBS

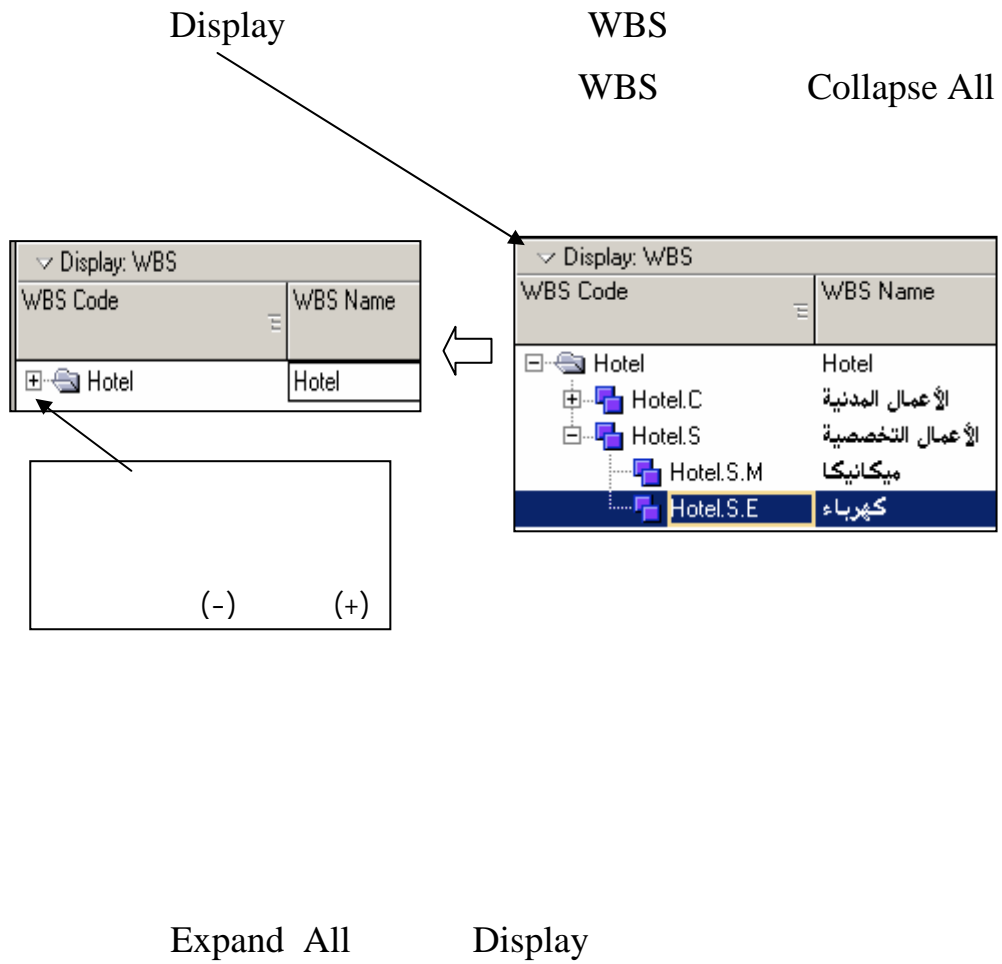


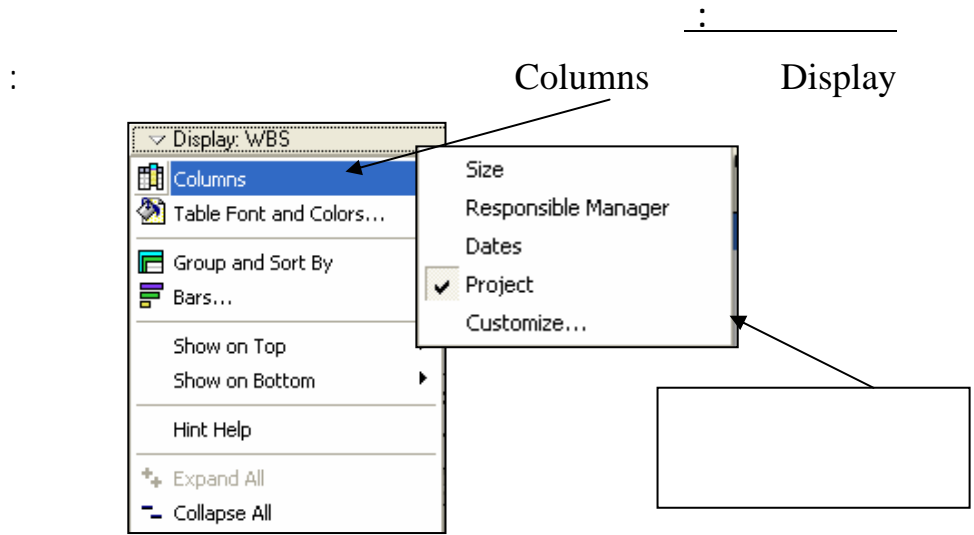
:

Bar Chart

WBS







WBS

Size-1

WBS Code	WBS Name	Total Activities
Hotel	فندق سياحي	0
Hotel.C	أعمال مدنية	0
Hotel.C.S	إنشاءات	0
Hotel.C.S.F	أساسات	0
Hotel.C.S...	هيكل	0

WBS

WBS

Responsible Manager -2

:

WBS Code	WBS Name	Responsible Manager
Hotel	فندق سيباحي	مدير فرع القاهرة
Hotel.C	أعمال مدنية	مدير إدارة الإنشاءات
Hotel.C.S	إنشاءات	مدير إدارة الإنشاءات
Hotel.C.S.F	أساسات	مدير إدارة الإنشاءات

:

WBS

Dates -3

WBS Code	WBS Name	Start	Finish
Hotel	فندق سيباحي		
Hotel.C	أعمال مدنية		
Hotel.C.S	إنشاءات		
Hotel.C.S.F	أساسات		

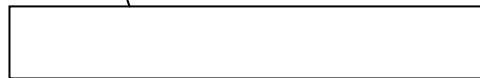
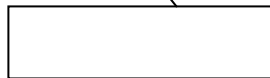
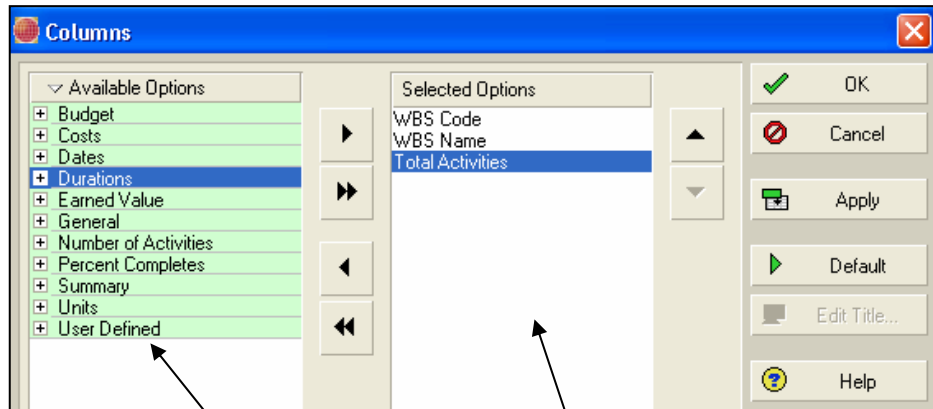
WBS

Project -4

WBS Code	WBS Name	Project ID	Project Status
Hotel	فندق سيباحي	Hotel	Active
Hotel.C	أعمال مدنية	Hotel	Active
Hotel.C.S	إنشاءات	Hotel	Active

Customize -5

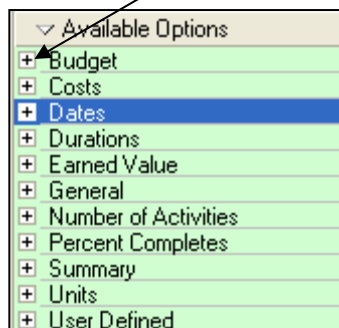
:



Selected Option

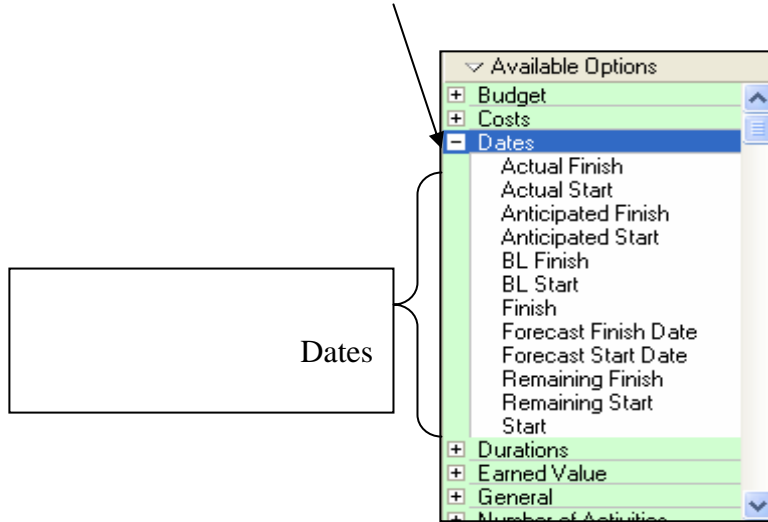


(+)



Dates (+)

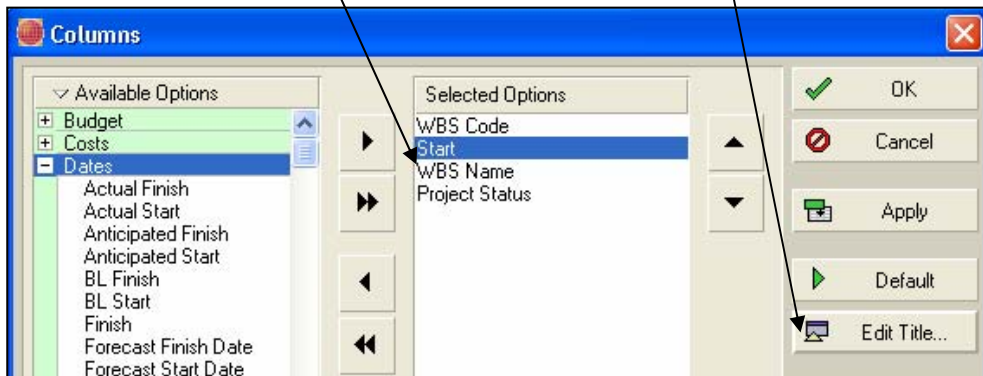
: Dates

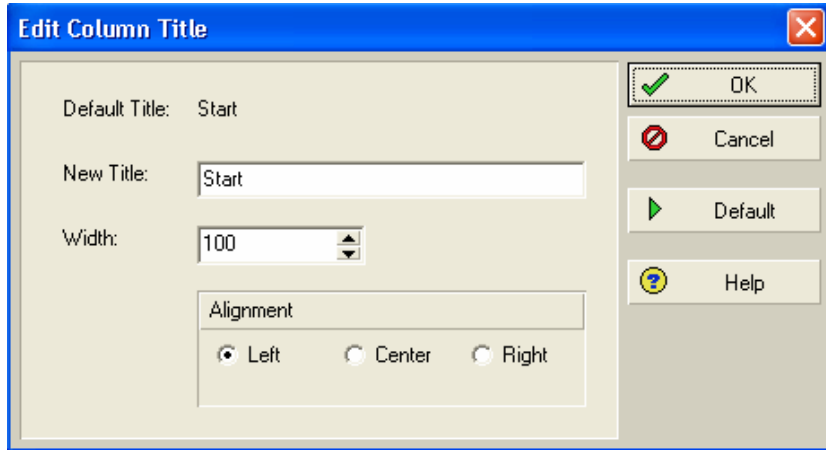


: \_\_\_\_\_

Start

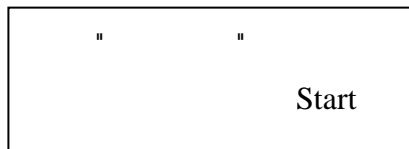
: Edit title Start





" " New Title  
Alignment Width

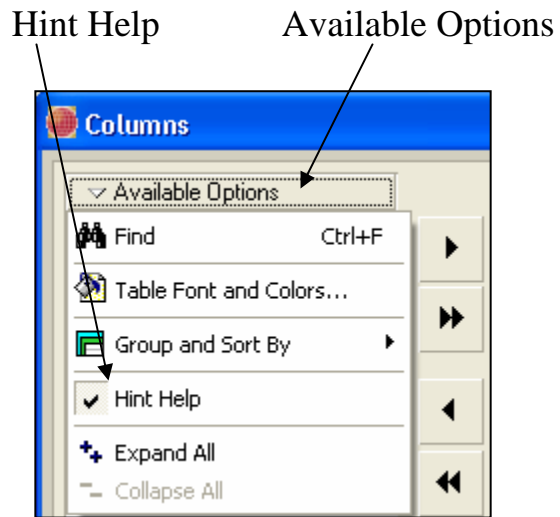
:



Display: WBS		
WBS Code	تاريخ البداية	WBS Name
Hotel.C		أعمال مدنية
+ Hotel.C.S		إنشاءات
Hotel.C.F		تشطيبات
- Hotel.S		عمال تخصصية
Hotel.S.M		ميكانيكا

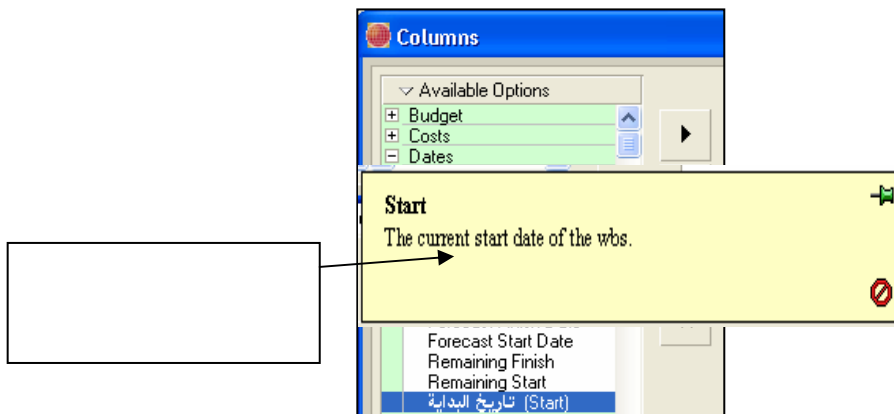
**:Hint Help**

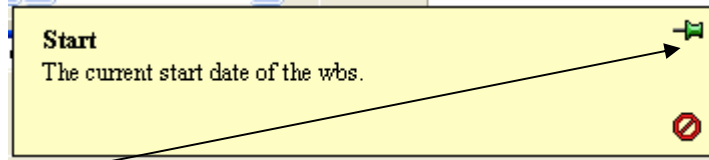
Hint help



Start

: Hint Help





Hint Help

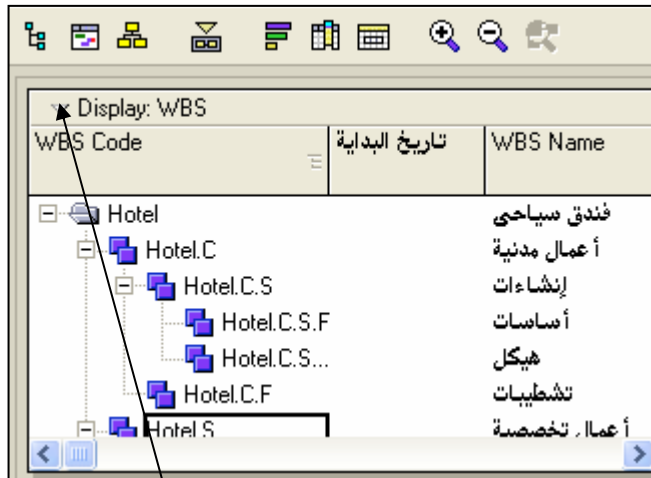
**WBS**

WBS

WBS

WBS

:



Show on top

Display

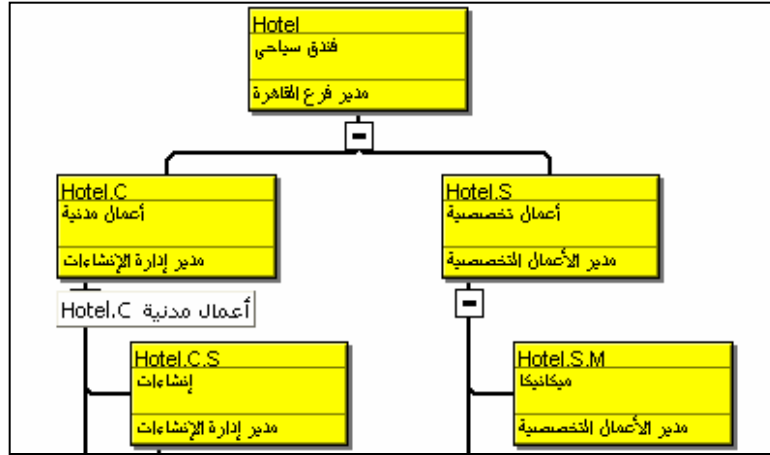
Chart

:

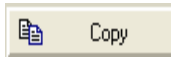
WBS



Chart View



**WBS**



Edit

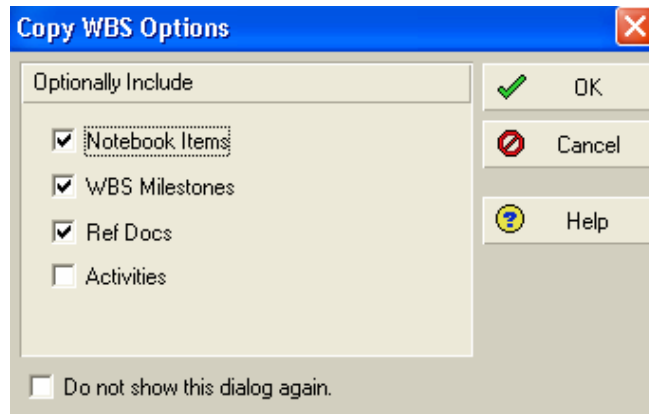
Copy

WBS

Edit

WBS

Paste



WBS

WBS



الأنشطة

---

## Activities

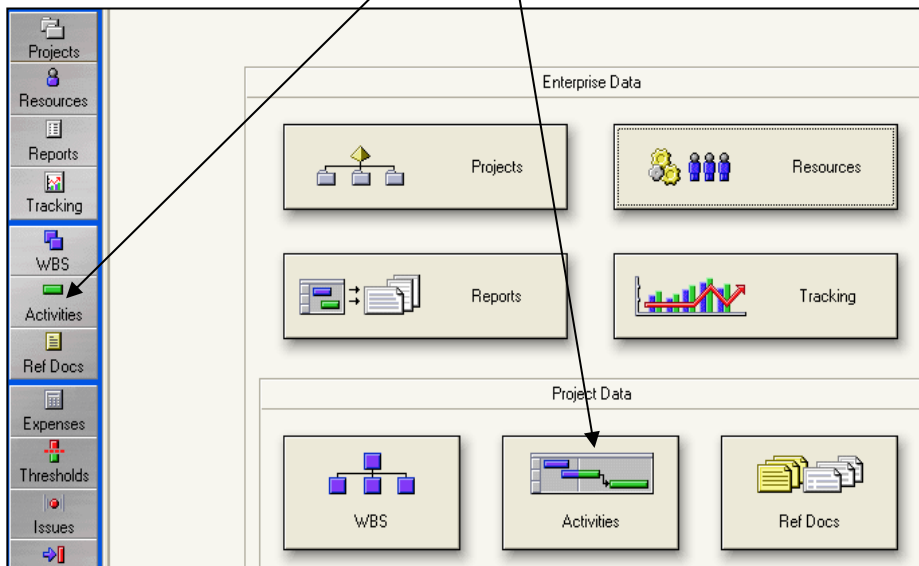
WBS

:

:

Activities

-1



Edit

WBS

-2

Add

Activity ID	Activity Name	Original Duration	Remaining Duration	Schedule Complete
Hotel	فندق	0.00h	0.00h	0
Hotel.C	أعمال مبنية	0.00h	0.00h	0
Hotel.C.S	إنشاءات	0.00h	0.00h	0
Hotel.C.S.F	أساسات	0.00h	0.00h	0
Hotel.C.S.S	هيكل	0.00h	0.00h	0
Hotel.C.F	تأسيسات	0.00h	0.00h	0
Hotel.S	أعمال تخصصية	0.00h	0.00h	0
Hotel.S.M	صيانة	0.00h	0.00h	0
Hotel.S.E	كهرباء	0.00h	0.00h	0

Wizard

-3

**New Activity**

**Activity Name**  
Enter an Activity ID and Activity Name. The Activity ID uniquely identifies the activity.

Activity ID: A1000

Activity Name: New activity

Do not show this wizard again.

Cancel Prev Next Finish

ID

-4

ID

Activity Name

20 ID

: \_\_\_\_\_

Admin

Admin

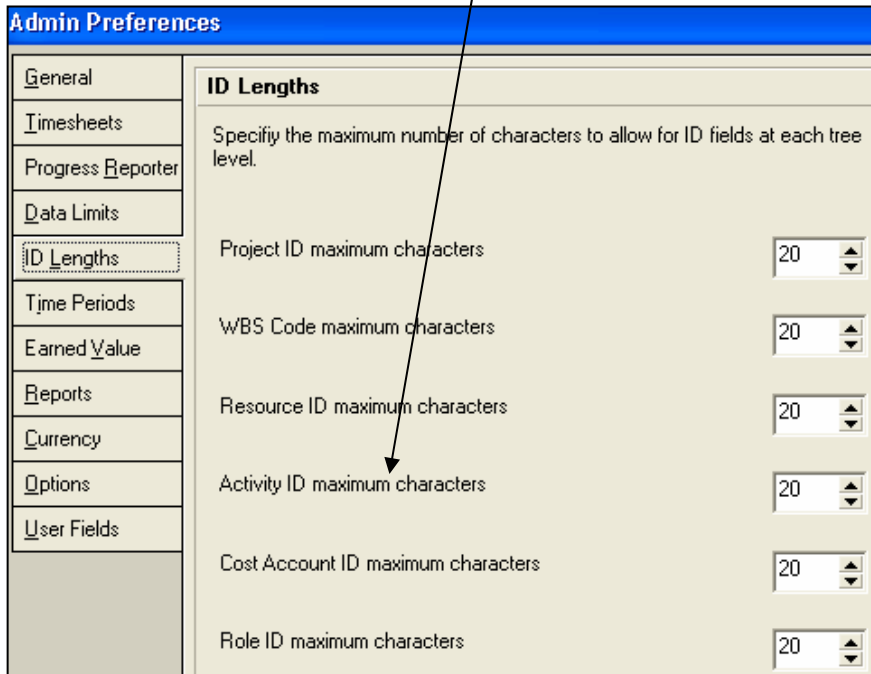
ID

ID Length

Preferences

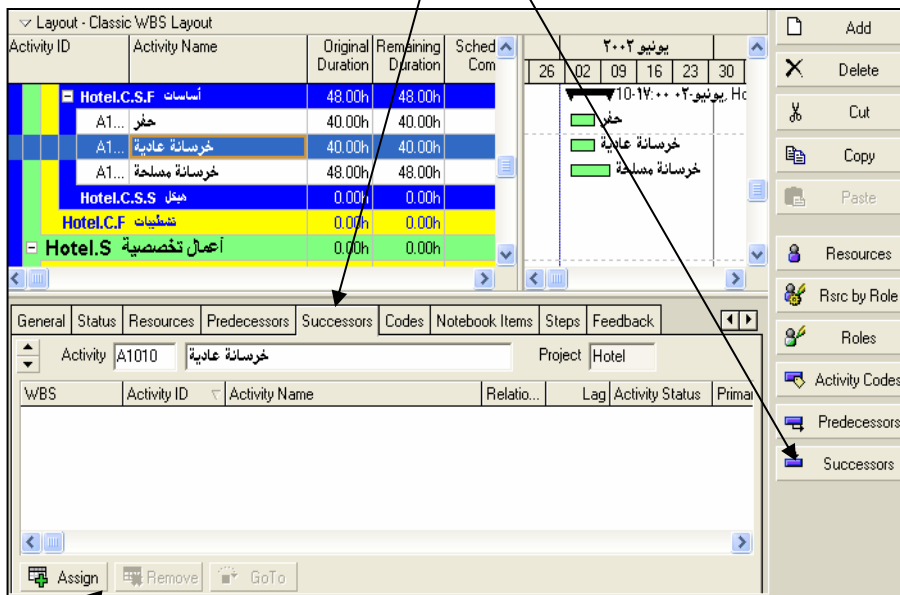
Activity ID Maximum Characters

ID



-1

Successors ( )



:

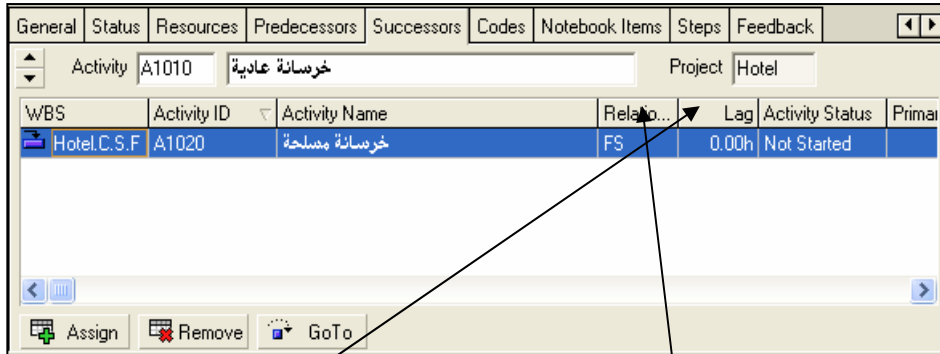
Assign -2



Assign

-3

:



Lag

Relation

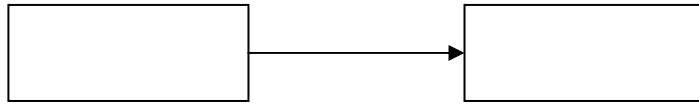
-4

Go To

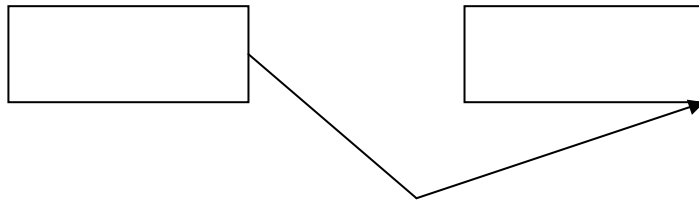
-5

: \_\_\_\_\_

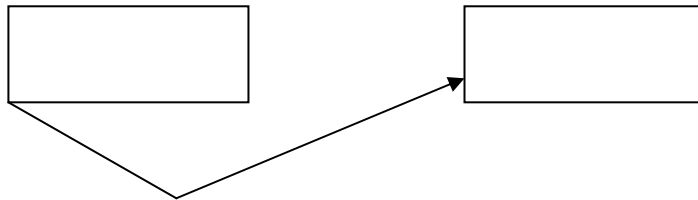
Finish to Start (FS) -1



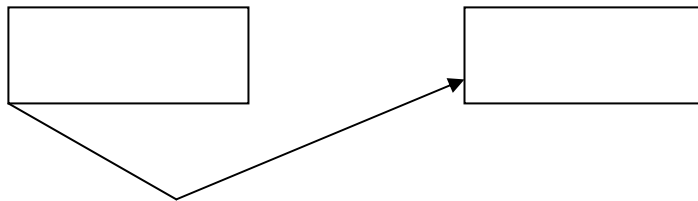
Finish to Finish (FF) -2



Start to Start (SS) -3

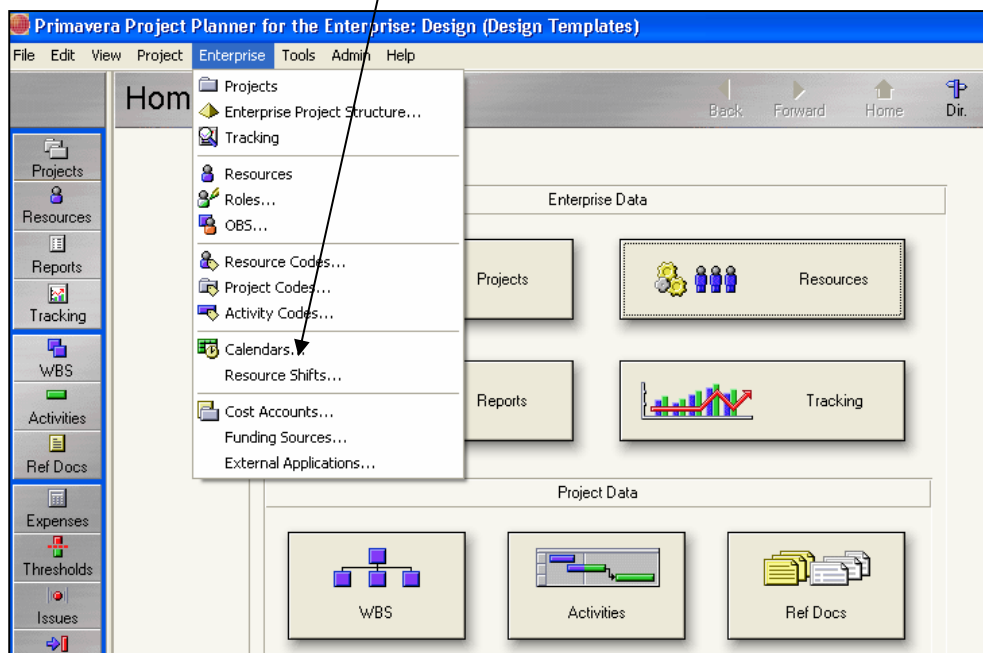


Start to Finish (SF) -4

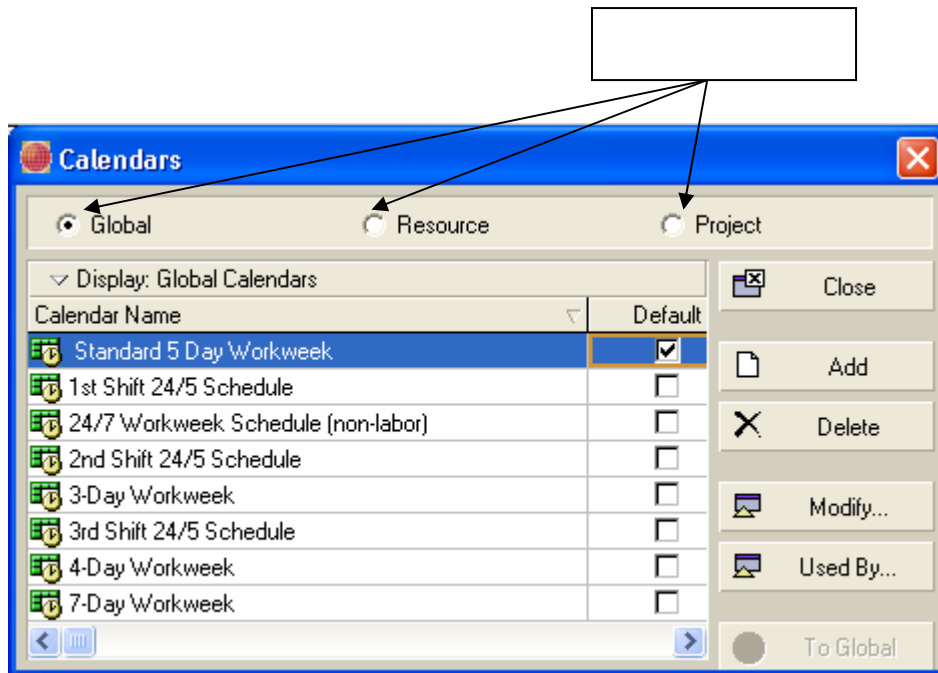


## Calendars

Calendars Enterprise



:



:

Global

**Global -1**

Resource

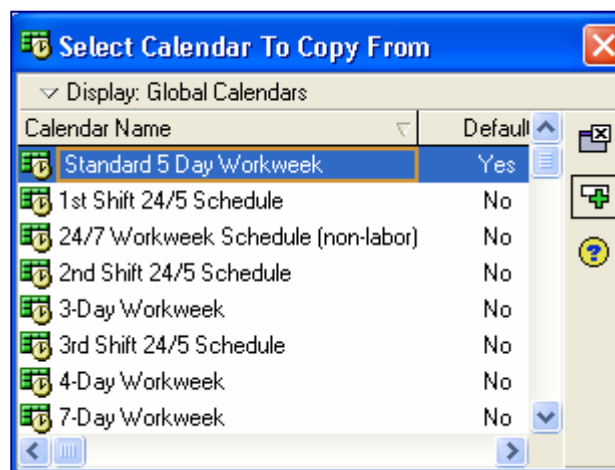
**Resource -2**

**Global:**

Add

Global

-1



-2

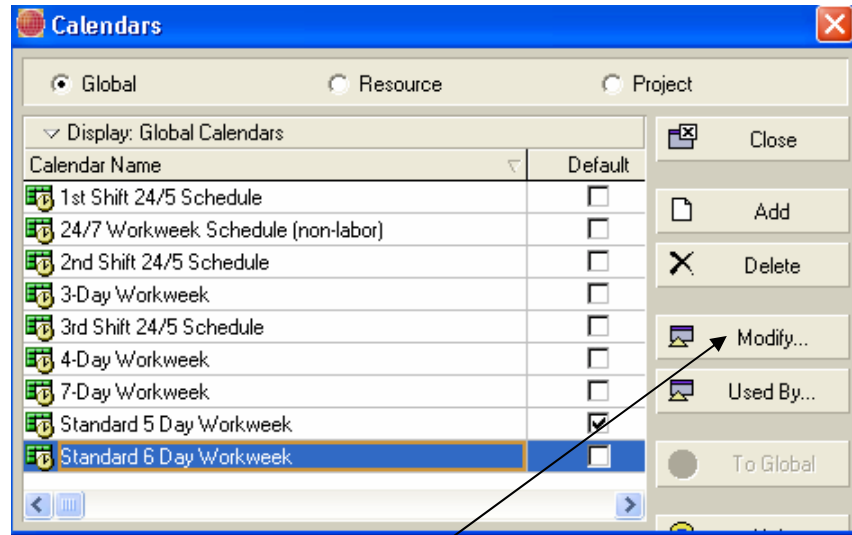
Standard 5 Days Workweek



-3

Standard 6 Days Work week

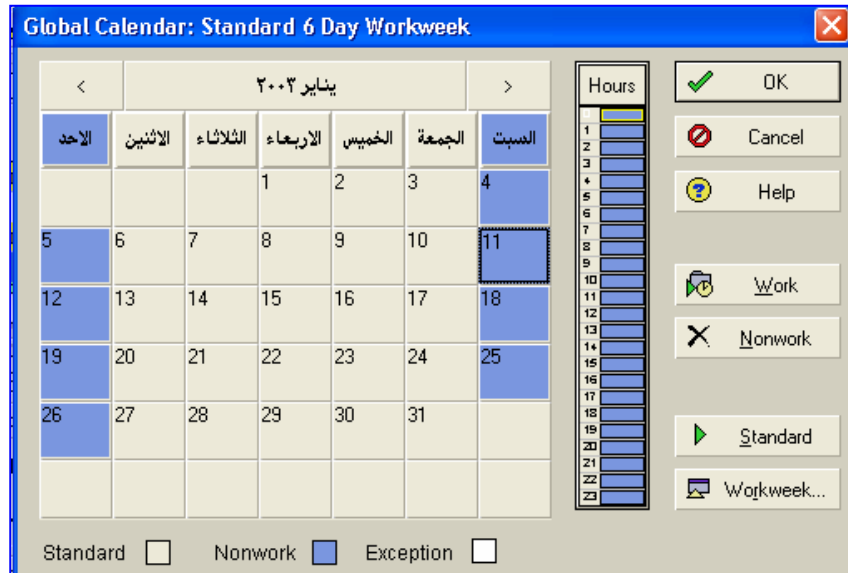
:



:

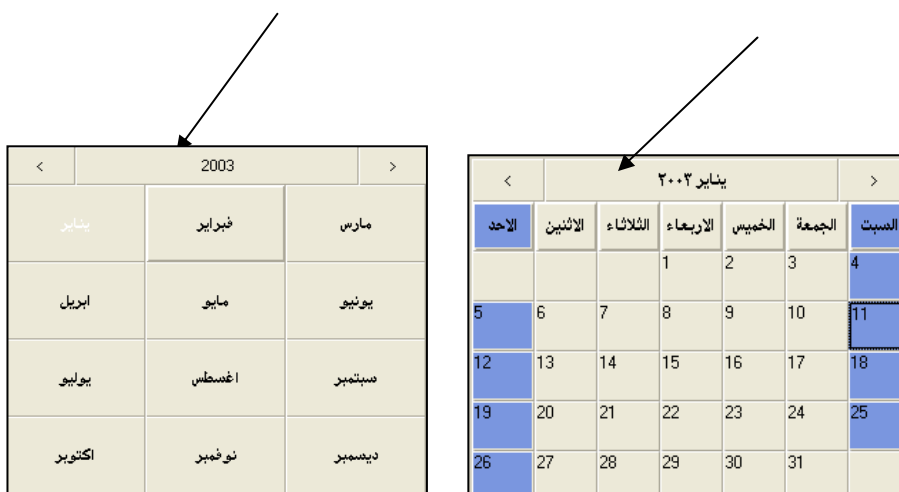
Modify..

-4



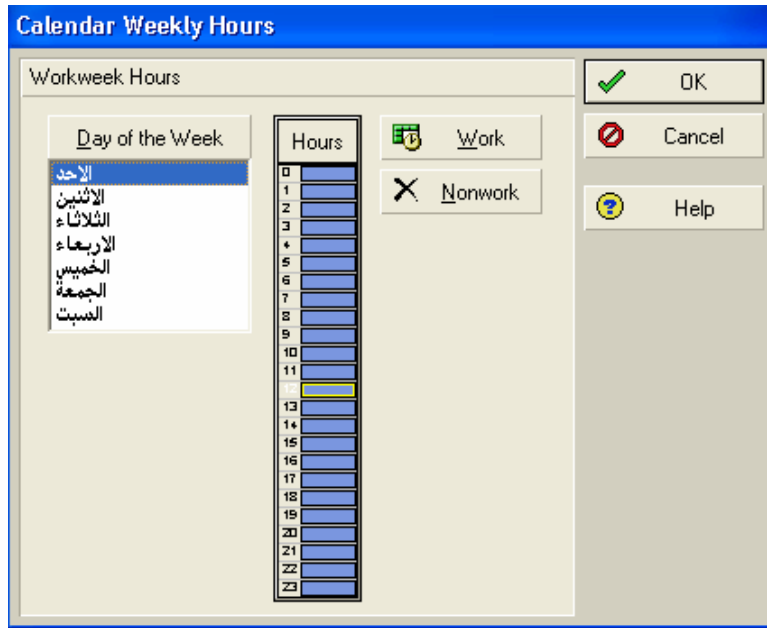
Ctrl

Shift



:

Workweek



24

Hours

Hours

16

Hours

Work

16

Shift

.Nonwork

.OK

### Default Calendar

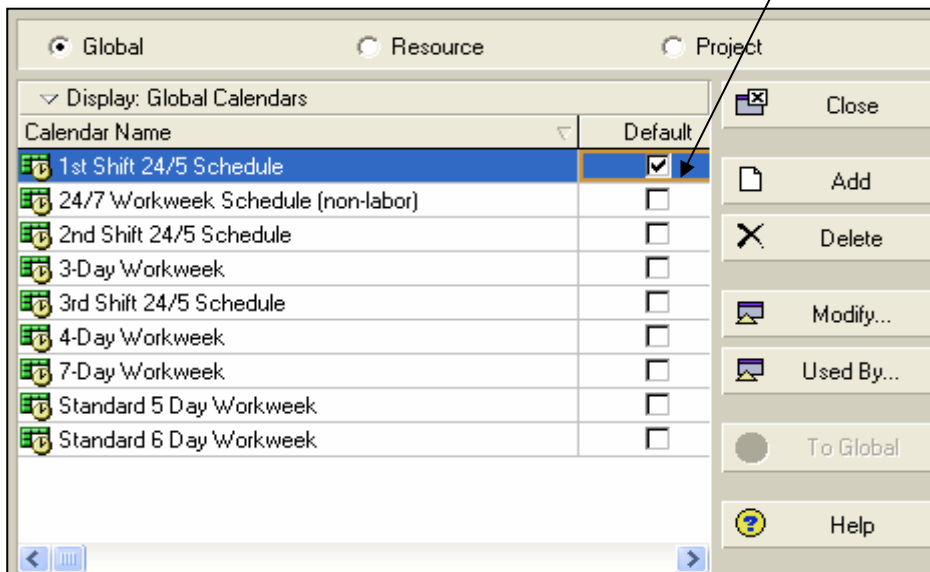
Calendar

Enterprise

Default

Default

Default

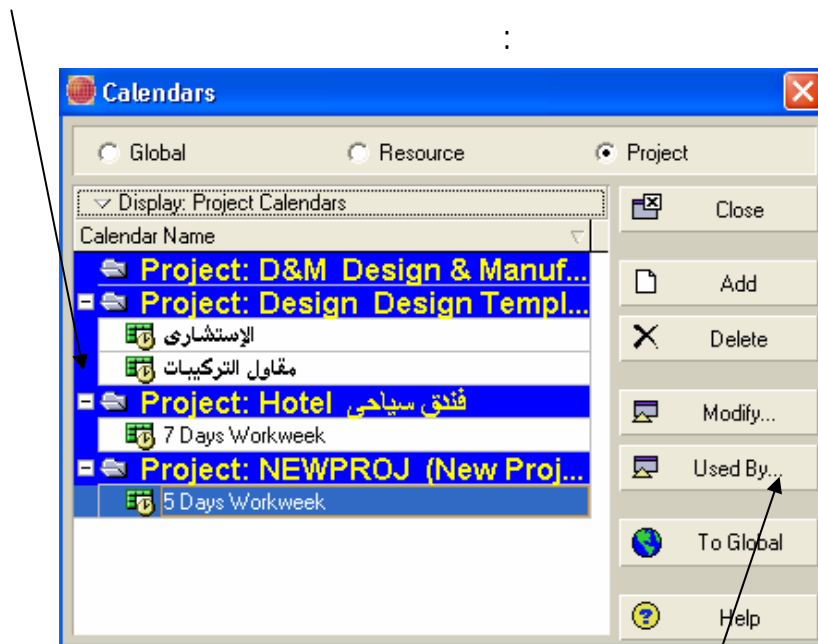


**Project:**

---

:

Add Project  
.Global



WBS

Used By

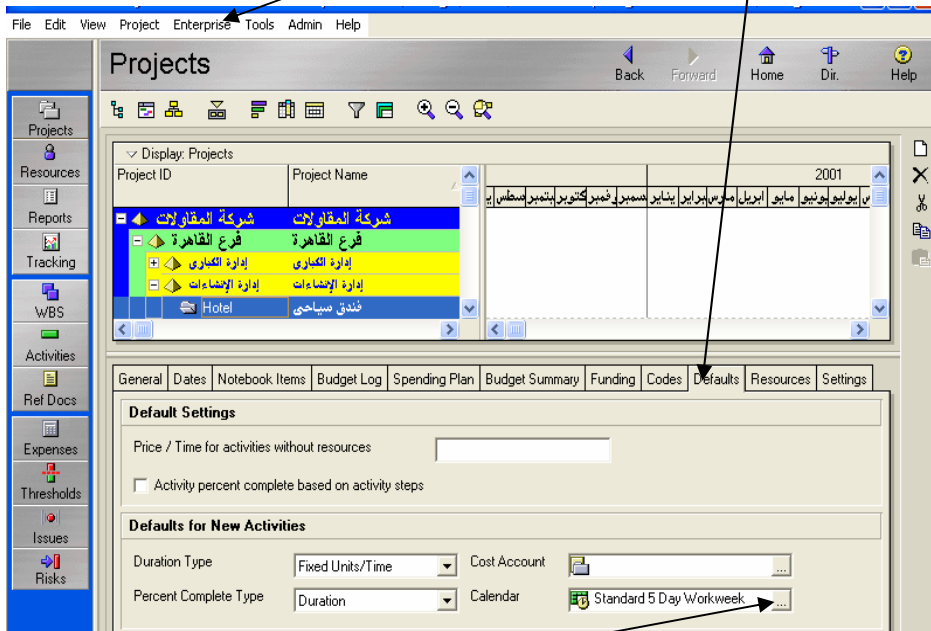


:

:

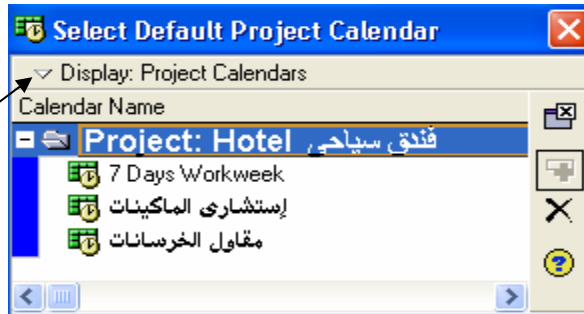
Project Enterprise -1

Default -2



: Calendar -3

Project Global





:

:

.Activities

-1

File Edit View Project Enterprise Tools Admin Help

### Activities

Layout - Classic WBS Layout

Activity ID	Calendar	Activity Name	0	Du	26	02	09	16	23	30	07	14
Hotel		فندق سباحة										
Hotel.C		اعمال مخفية										
Hotel.C.S		انشاءات										
Hotel.C.S.F		اساسات										
A1...	Standard 5 Day Work...	حفرة										
A1...	Standard 5 Day Work...	خرسانة عادية										
A1	Standard 5 Day Work	خرسانة مسلحة										

General Status Resources Predecessors Successors Codes Notebook Items Steps Feedback Ref Docs Expenses

Activity: A1000 حفرة Project: Hotel

Activity Type: Task Dependent Duration Type: Fixed Units/Time % Complete Type: Duration Activity Calendar: Standard 5 Day Workweek

WBS: Hotel.C.S.F اساسات Responsible Manager: مدير إدارة الإنشاءات Primary Resource:

.General

-2



Activity Calendar

-3

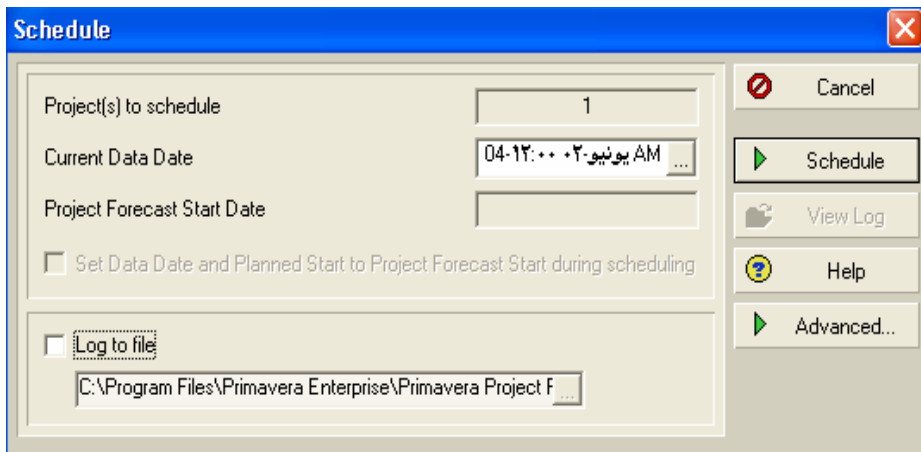


## Schedule

- - - )  
Float (

F9 Schedule Tools

:



## Schedule

:

**Project(s) to schedule**

(Data Date)

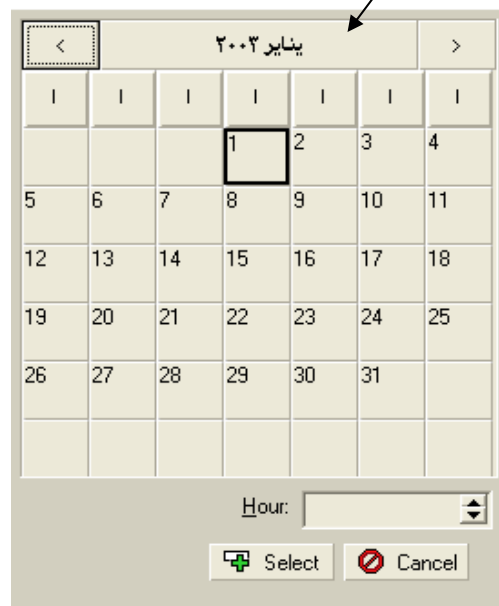
**Current Data Date**

Data Date

1/1/03 ...

Current Data Date

Select



**Project Forecast Start Date**

Tracking Portfolio Analyst

**Log To File**

:

Log.txt

C:\Log

Data Date

**Schedule**

Schedule

Log.txt

**View Log**

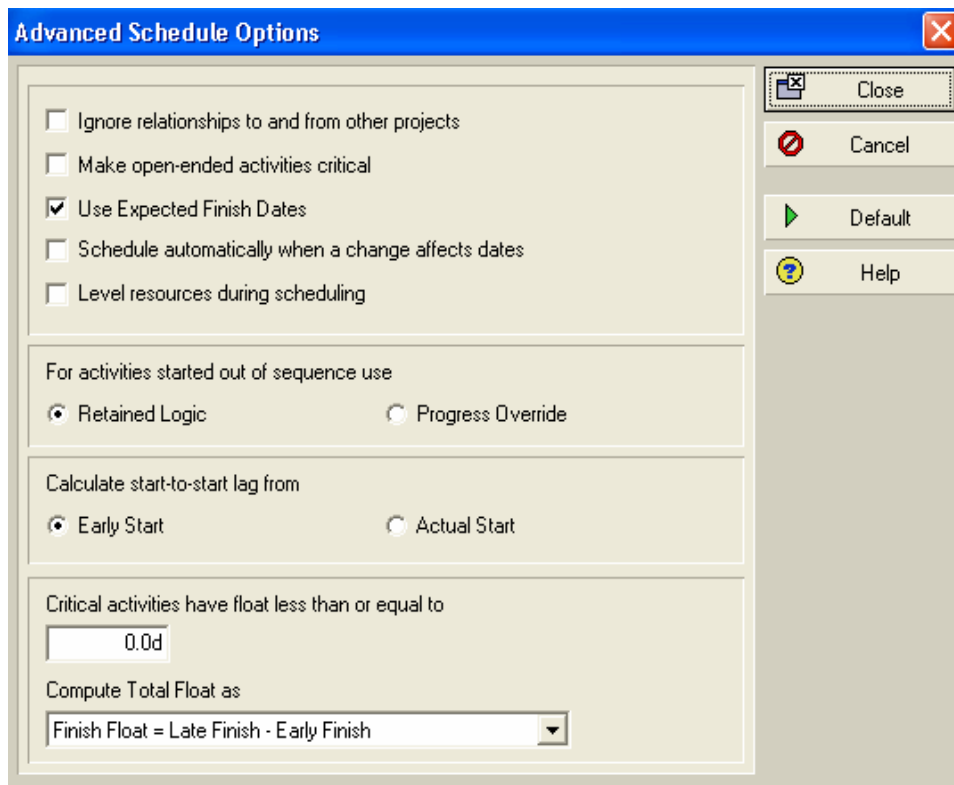
Log to file

Schedule

**Advanced**

:

.Advanced



**Ignore Relationships To and From Other Projects**

**Make Open-Ended Activities Critical**

. Successor

Predecessor

**Use Expected Finish Dates**

**Schedule Automatically When a Change Affects Dates**

**Level Resources During Scheduling**

**For activities started out of sequence use**

Lag = 0 FS

Updating

.Out of Sequence

Out of Sequence

:

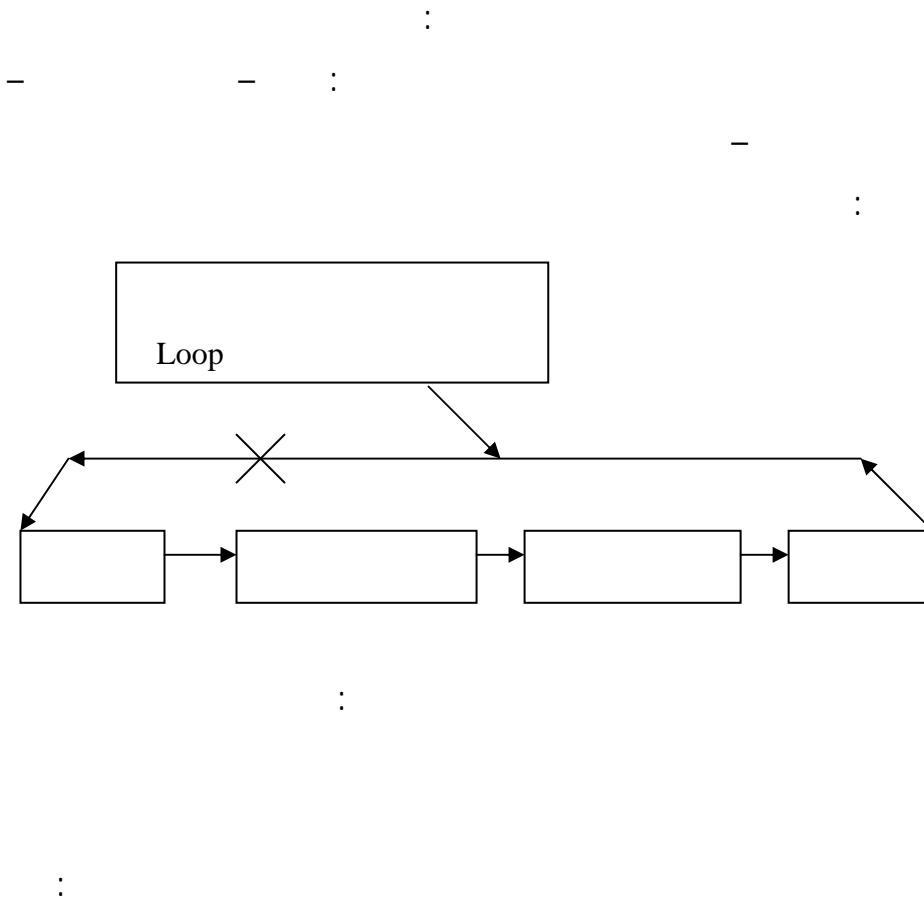


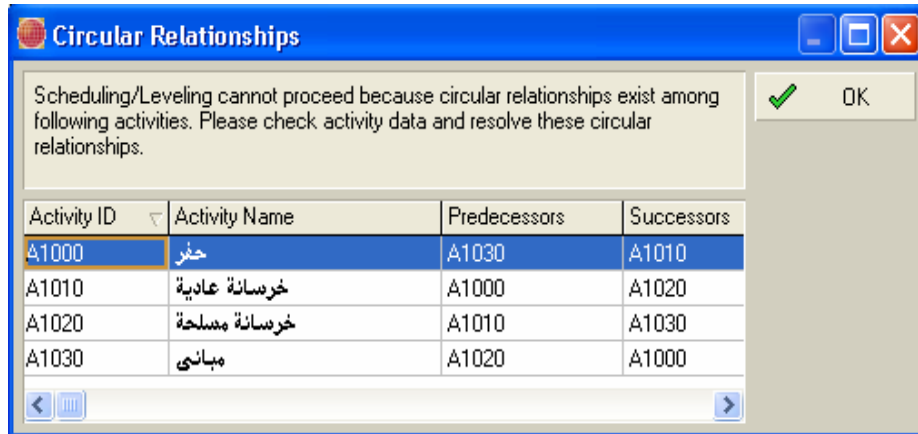
Finish Float

$$\text{Finish Float} = \text{Late Finish} - \text{Early Finish}$$

Finish Float      Start Float

Loop





Primavera

---

\_\_\_\_\_

.

\_\_\_\_\_

:

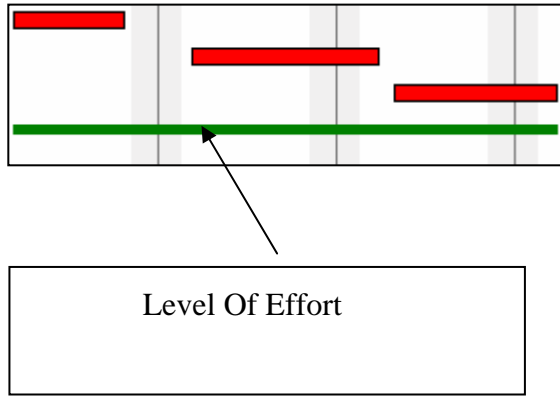
4

**Task Dependent**

**Resource Dependent**

**Level Of Effort**

---



**Milestone**

---

Milestone  
Stone

Milestone

%100 Milestone

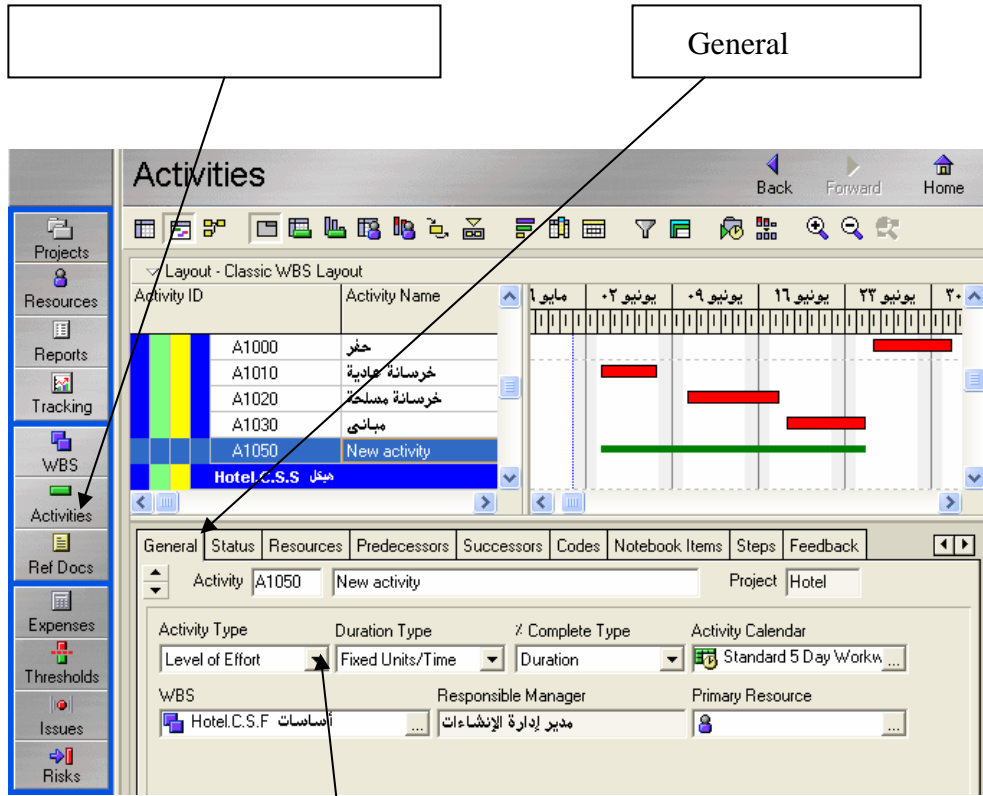
Finish Milestone Start Milestone Milestone

---

General

: Activity Type

---



**Duration Type**

4

**Fixed Unit/Time**

**Fixed Duration and unit / time**

**Fixed Unit**

Lump sum

**Fixed Duration and Units**

---

General

Activities

Layout - Classic WBS Layout

Activity ID	Activity Name	1 مايو	02 يونيو	09 يونيو	16 يونيو	22 يونيو	29 يونيو
Hotel.C	أعمال مخفية						
Hotel.C.S	إنشاءات						
Hotel.C.S.F	أساسات						
A1000	حفر						
A1010	خرسانة عادية						
A1020	خرسانة مسلحة						

General Status Resources Predecessors Successors Codes Notebook Items Steps Feedback

Activity A1000 حفر Project Hotel

Activity Type Task Dependent Duration Type Fixed Units/Time % Complete Type Duration Activity Calendar Standard 5 Day Workw...

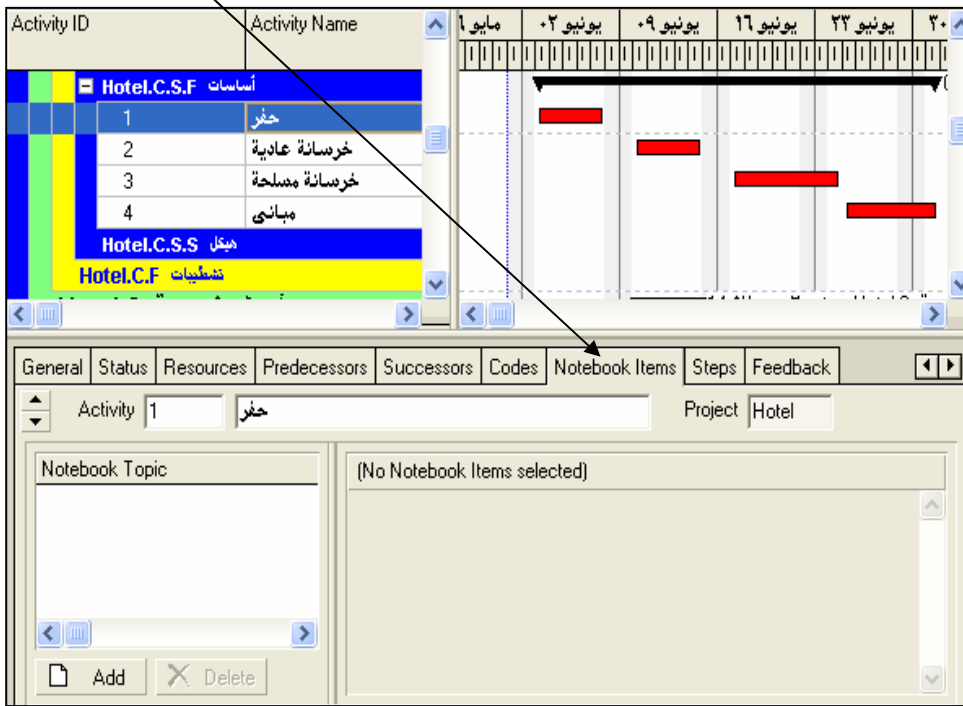
WBS Hotel.C.S.F Responsible Manager مدير إدارة الإنشاءات Primary Resource

Duration Type

## Notebook Items

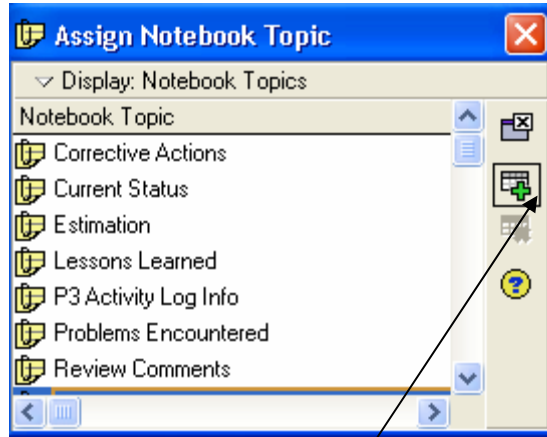
Notebook Items

- 1



Add -2

:



Assign

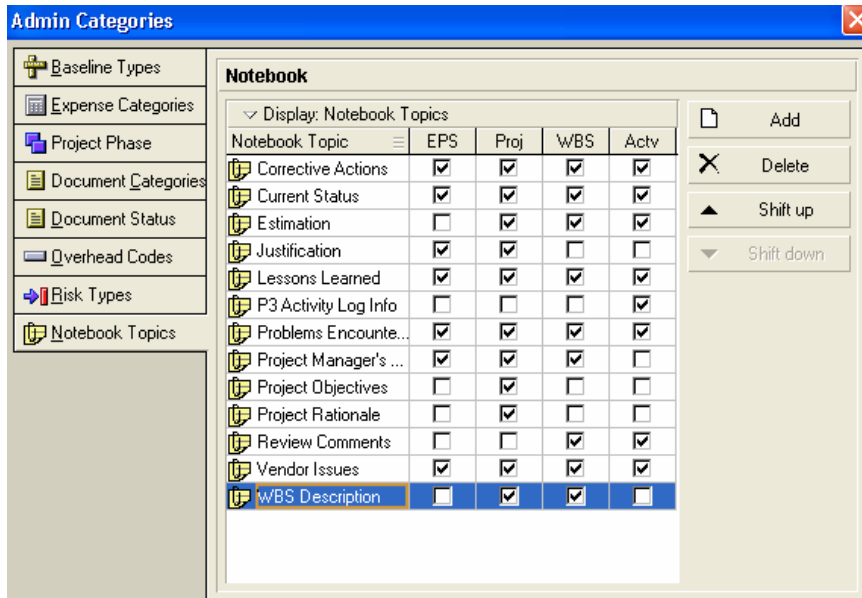
-3

:

Admin Categories

Admin

Notebook Topics




Delete

Add

WBS

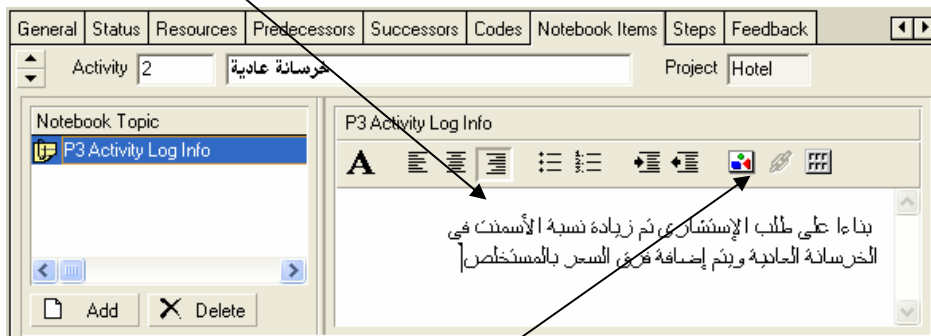
EPS

:



Notebook Topic	EPS	Proj	WBS	Actv
Corrective Actions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

-4



-5

Ok

-6

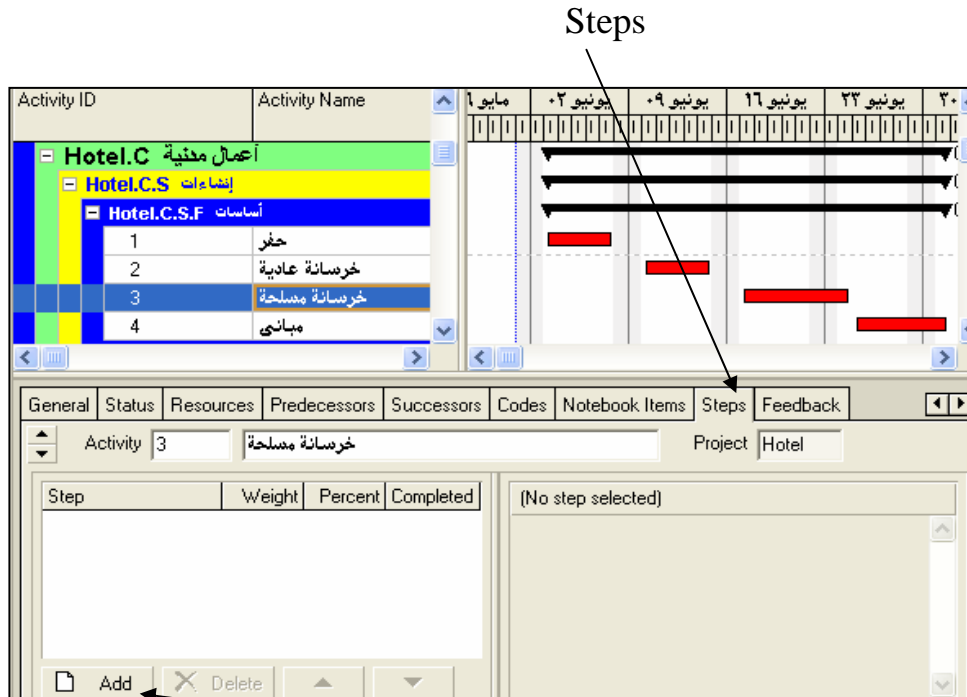
OK

Steps

WBS

:

-1



Steps

Add

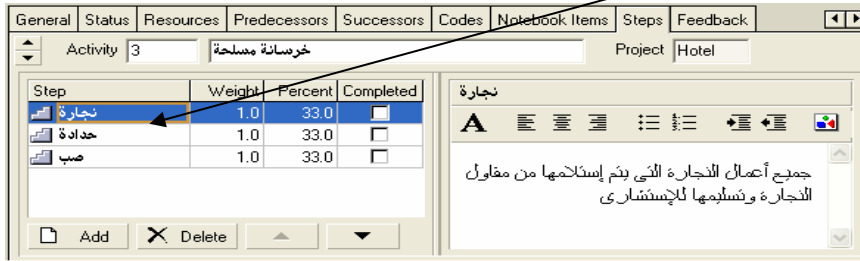
-2

%40

%20

%40

-3



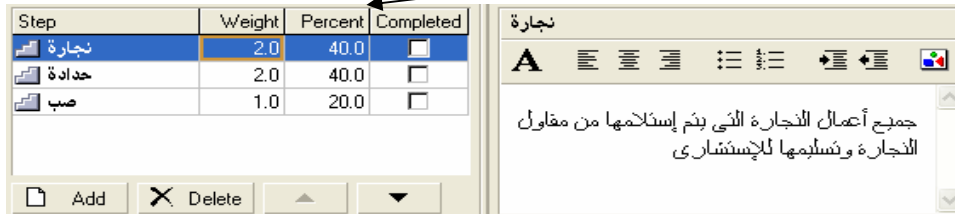
-4

1      2      2

:

/      =

:



Complete

-5

:

Step	Weight	Percent	Completed
نجارة	2.0	40.0	<input checked="" type="checkbox"/>
حدادة	2.0	40.0	<input type="checkbox"/>
صب	1.0	20.0	<input type="checkbox"/>

## Copying Activities

- - - - - )  
( ....  
ID ID

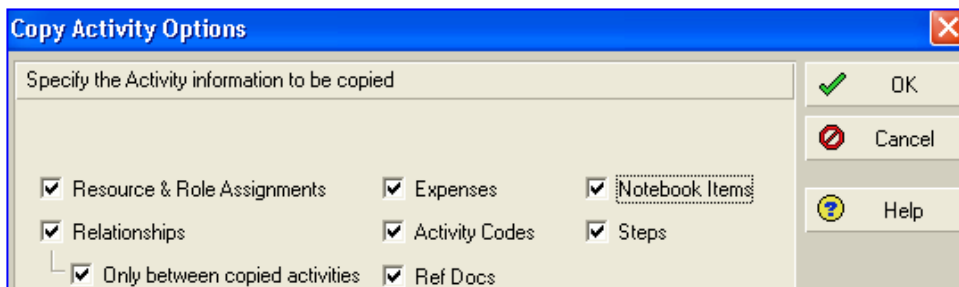
Copy Edit

Shift

:

Ctrl

Paste Edit



:

Relationships  
 Only between copied activities

FS

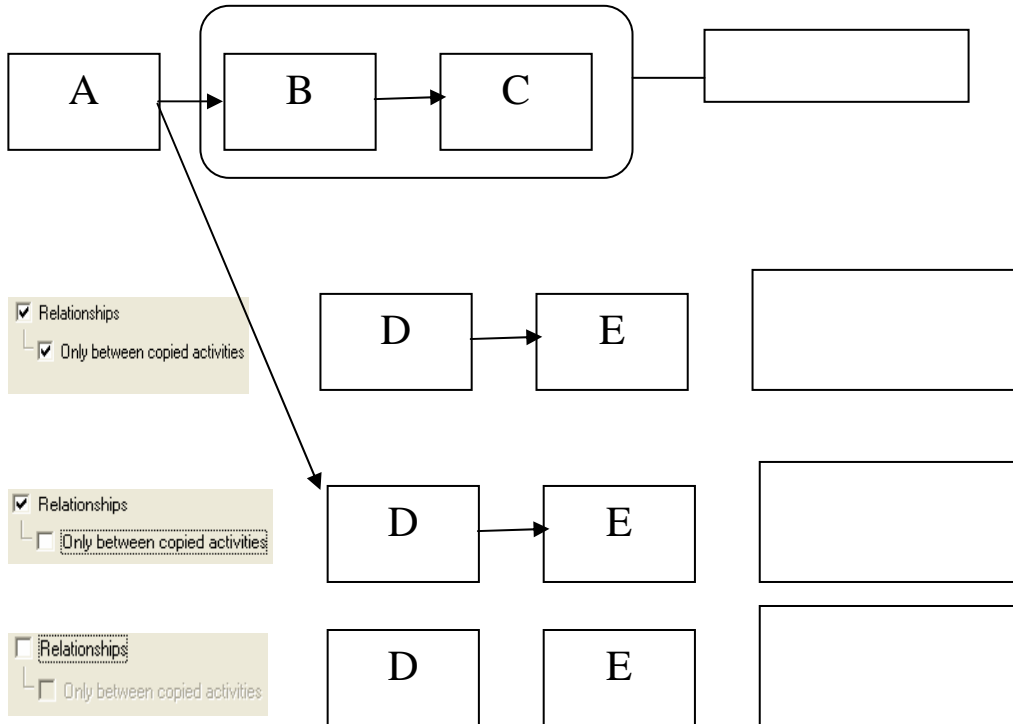
A, B & C

D&E

A & B

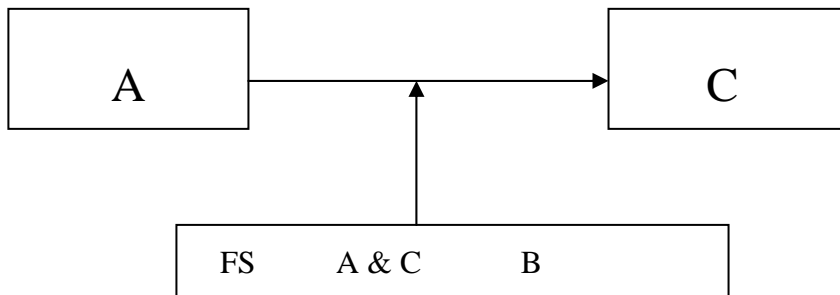
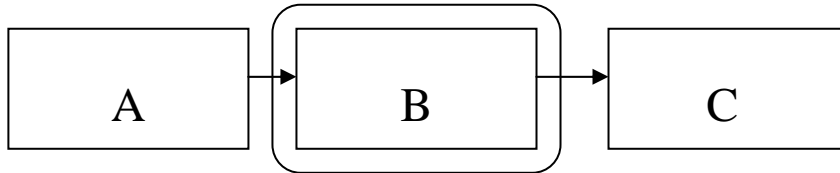
:

D, E & A



Dissolving Activities

.FS  
Dissolve      Edit      Dissolving  
A, B &      Dissolving  
Dissolving      B      C



.      Dissolving      :\_\_\_\_\_

(.....- - )

:

-1

-2

:

Activity ID	Activity Name	المسئولية
Hotel	فندق سياحي	
Hotel.C	أعمال منقبة	
Hotel.C.S	إنشاءات	
Hotel.C.S.F	أساسات	
1	حفر	أحمد
2	خرسانة عمادية	
3	خرسانة مسلحة	
4	مباني	

-3

Fill Down

Edit

-4

**Constraints**

.  
: **Start on or after -1**

.  
: **Start on or before -2**

. (Late Start)

**Start On -3**

**Finish on or after -4**

**Finish on or before -5**

(Late Finish)

**Finish on -6**

**Mandatory start -7**

**Mandatory finish -8**

Free Float

Status

Constraint

Constraint Date

The screenshot displays the Primavera software interface. At the top, a Gantt chart shows a task named 'خرسانة عادية' (Ordinary Concrete) with a red bar representing its duration. Below the Gantt chart, the 'Task Details' window is open, showing various fields for the task. The 'Free Float' field is set to 0.00h, and the 'Constraint' field is set to 'As late as possible'. The 'Constraint Date' field is also visible. The 'Status' field is set to 'Not Started'. The 'Duration' field shows an original duration of 40.00h and an actual duration of 0.00h. The 'Project' field is set to 'Hotel'.

Activity ID	Activity Name	المسؤولية	09 يونيو	16 يونيو	23 يونيو	30 يونيو	07 يوليو
1	حفر	أحمد					
2	خرسانة عادية						
3	خرسانة مسلحة						
4	مباني						

Field	Value
Original Duration	40.00h
Actual Duration	0.00h
Remaining Duration	40.00h
At Complete Duration	40.00h
Status	Not Started
Free Float	0.00h
Total Float	0.00h
Constraint	As late as possible
Constraint Date	

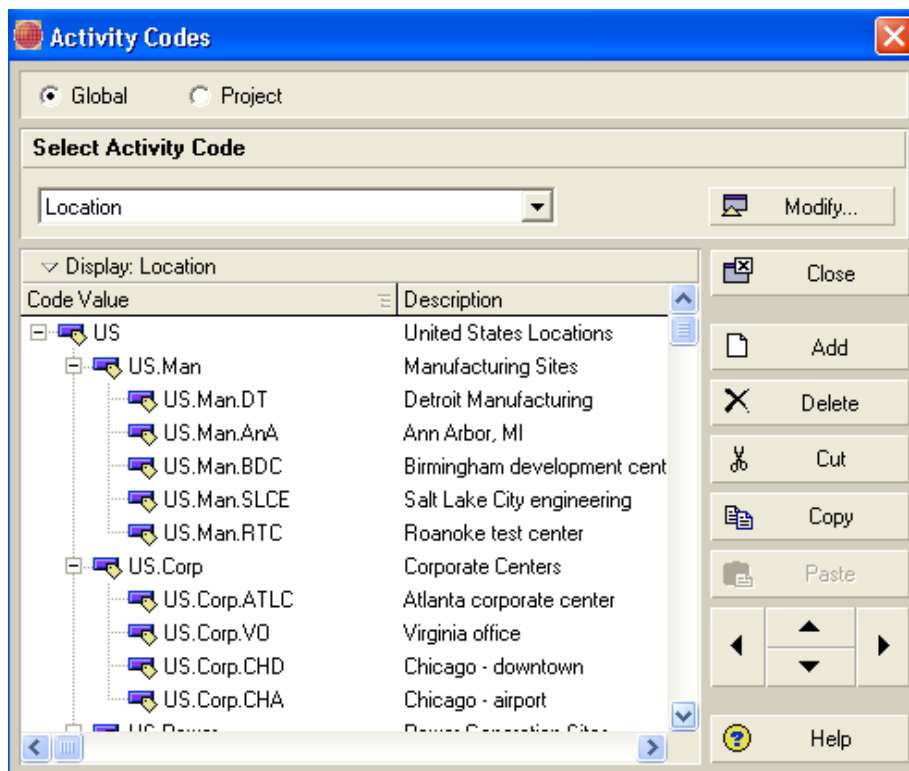


القواميس

---

## Activity Codes

Activity Codes      Enterprise



:  
Global

Project

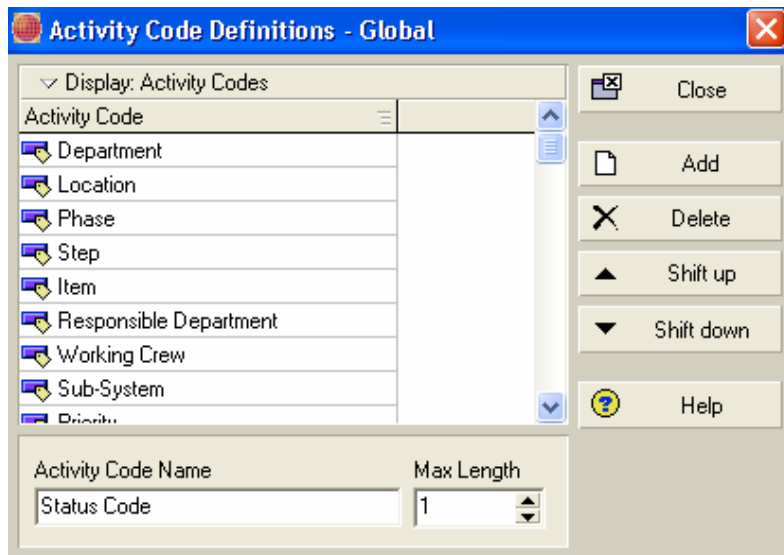
Global

Global

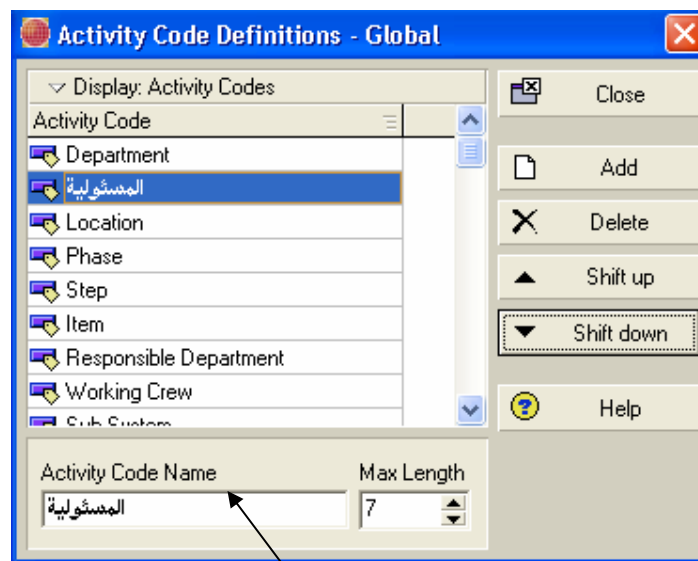
---

:  
Global -1

:  
Modify -2



Add -3



Activity Code Name -4

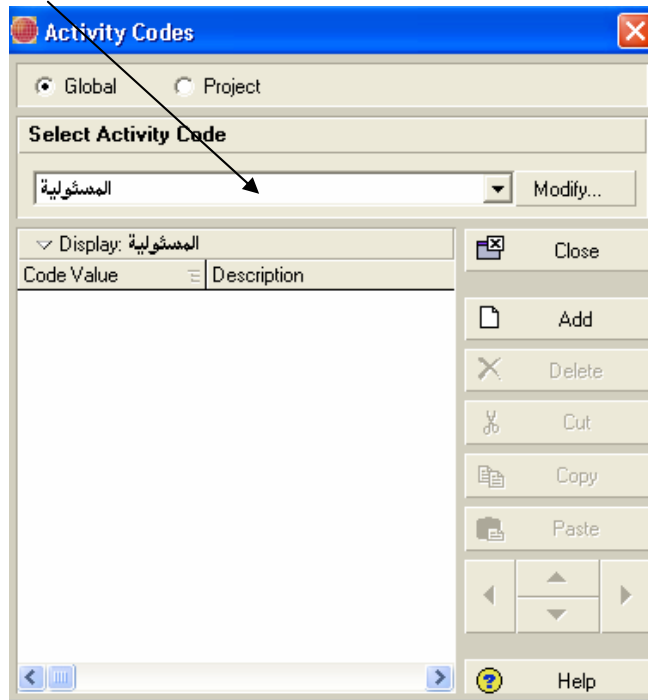
" "

Max Length -5

.7

(Shift Up – Shift Down) -6

Close



-7

" "

Code Value

Add

-8

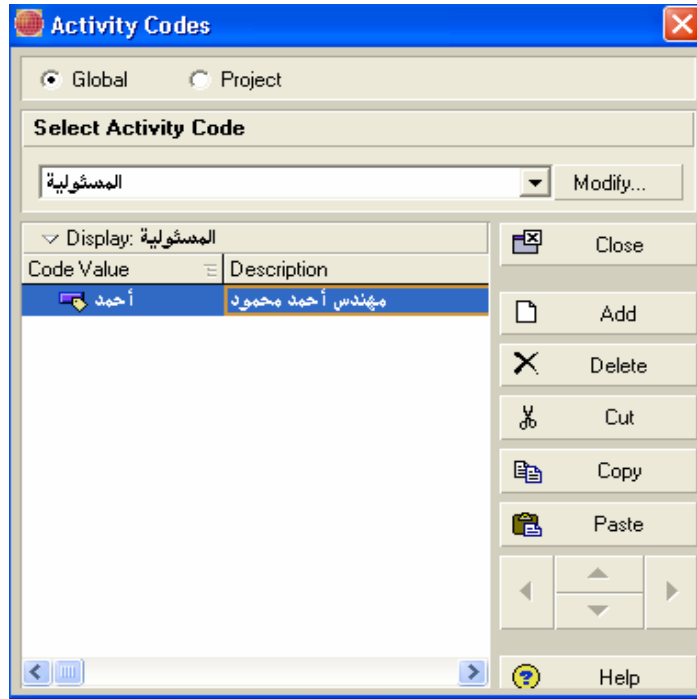
" "

7

Description

Max Length

:



-9



Add

:

-10



Select Activity Code



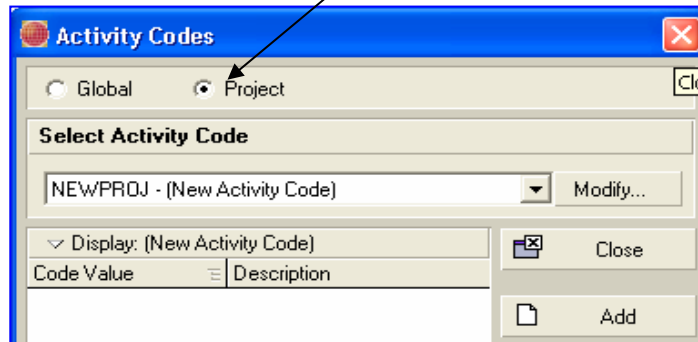
Project

Project

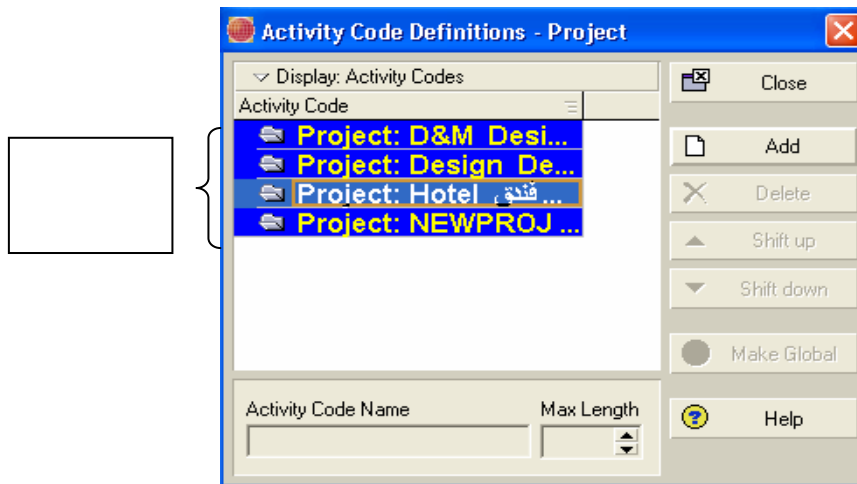
---

Modify

Project



Modify

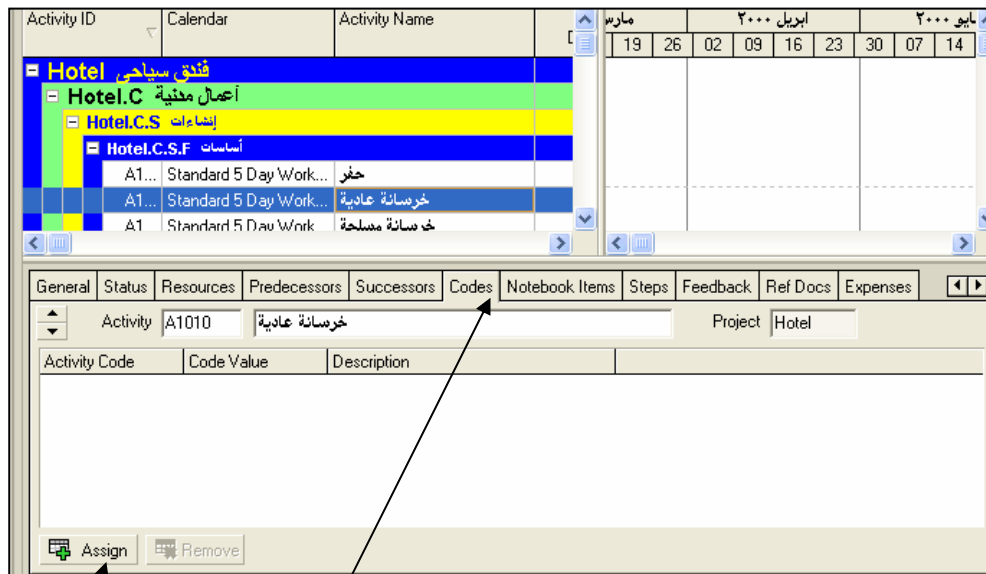


Add

.Global

: \_\_\_\_\_

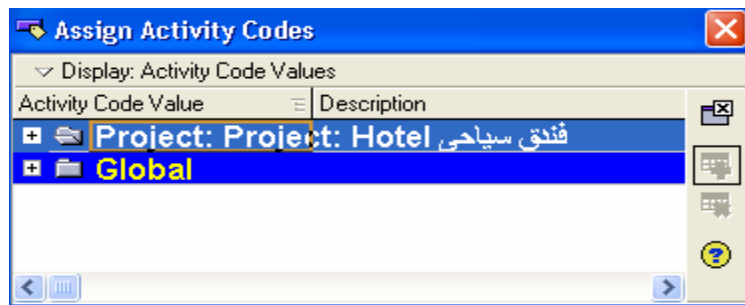
: Activities



Assign

Codes

:



### Global Project

.Global

: Global (+)



Assign

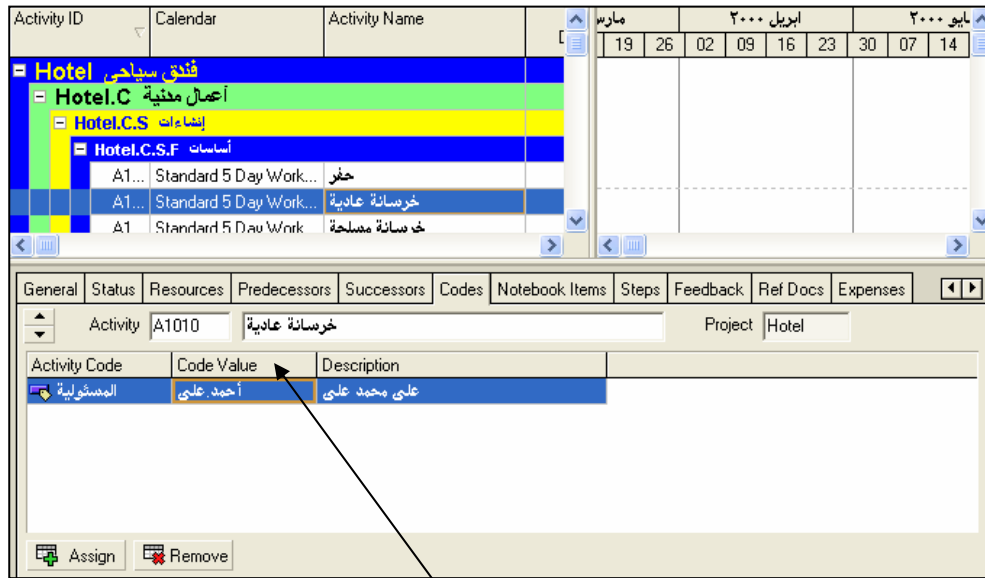
Ctrl

" "

.Assign

:

# Primavera



Code Value

Assign



## Project Codes

100

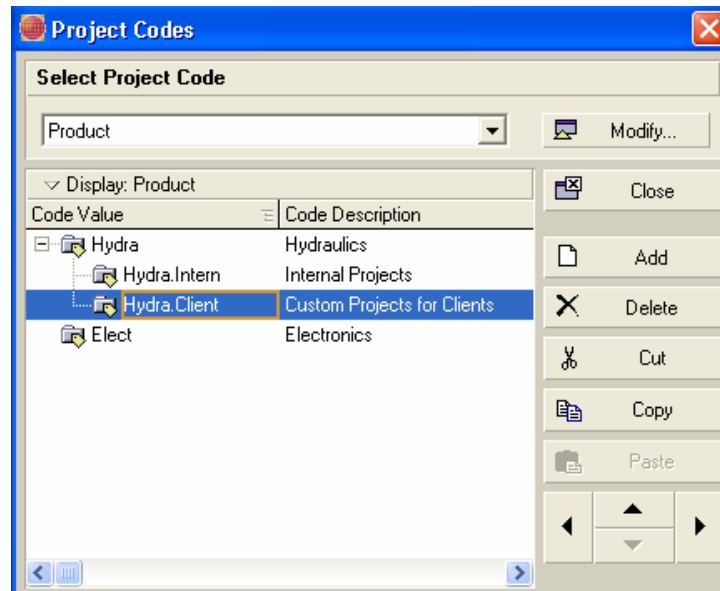
100-20

20

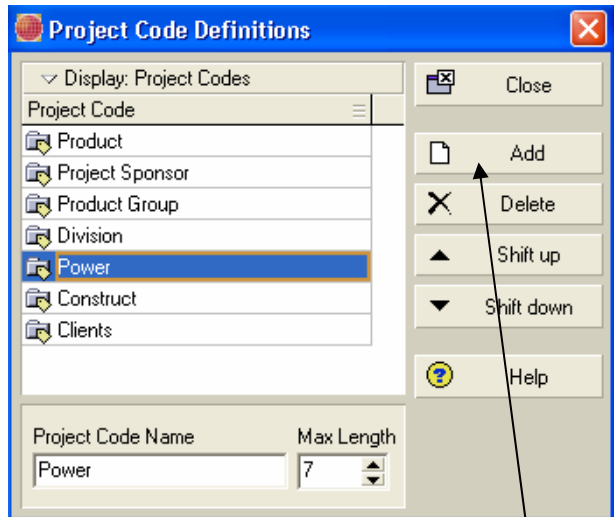
Project Codes

Enterprise

-1



: Modify -2

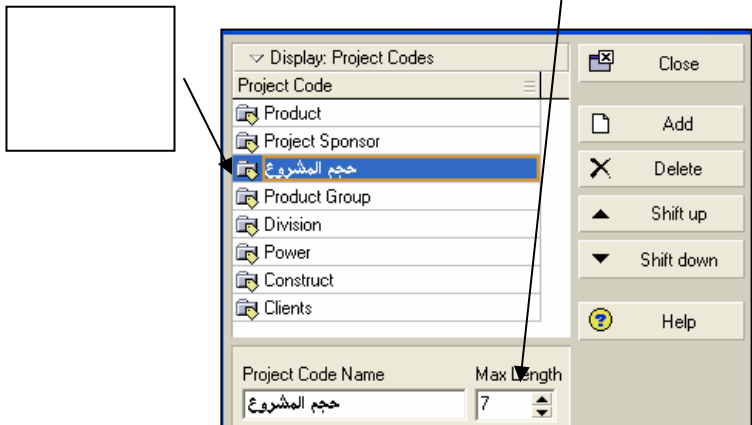


Add -3

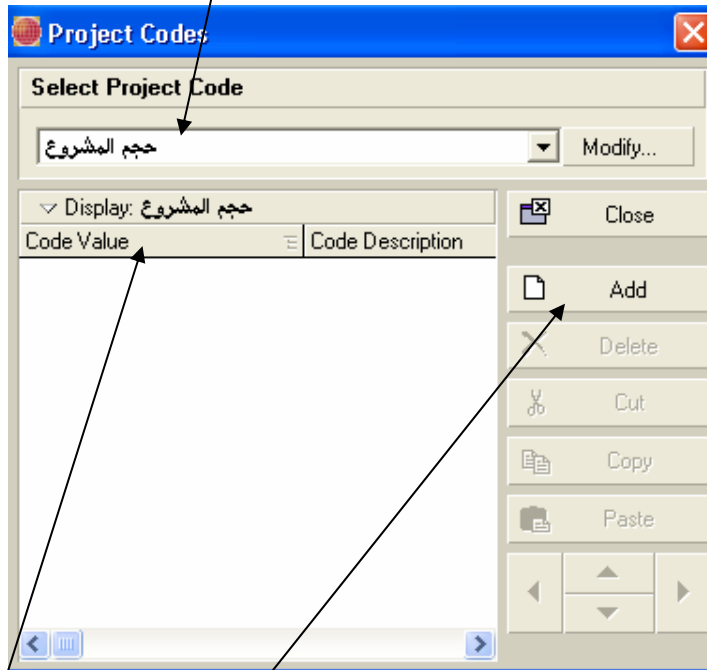
" " Project Code Name -4

Max Length -5

7



(Shift Up – Shift Down ) -6  
Close



Code Value Add -7

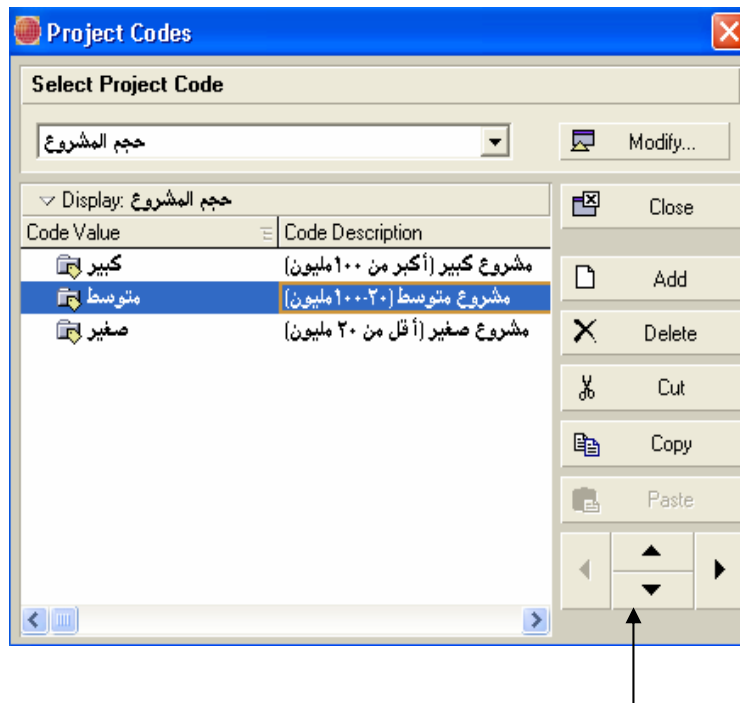
" "

.( Max Length ) 5

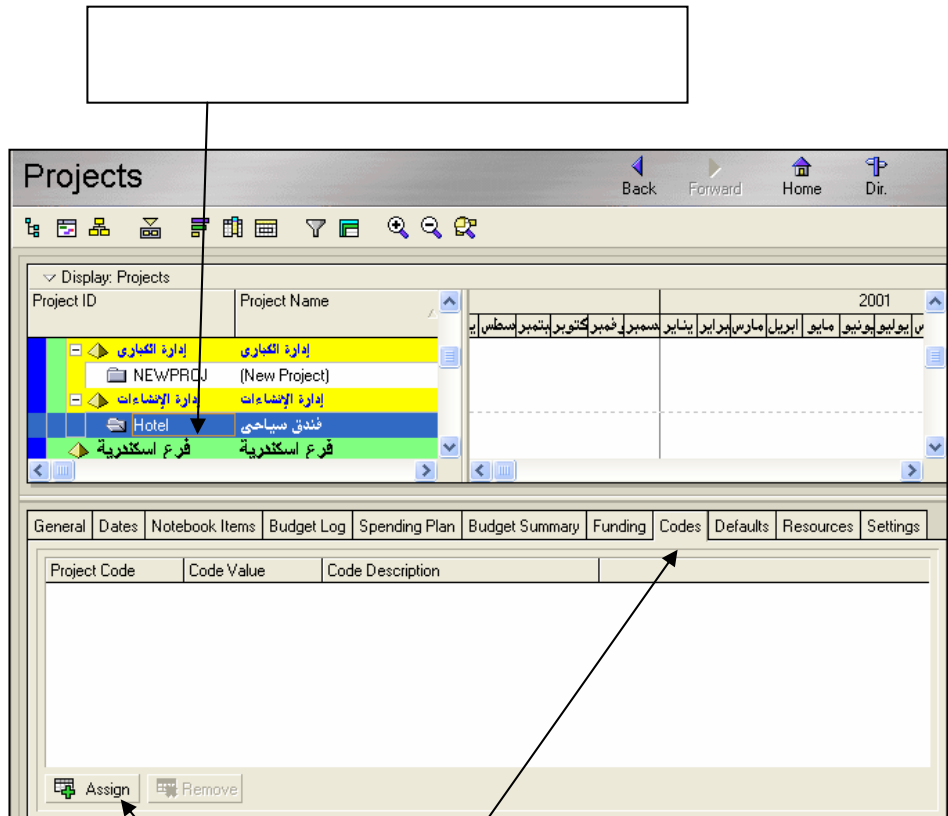
Code description -8

" "

8 7 -9  
( - - )  
:



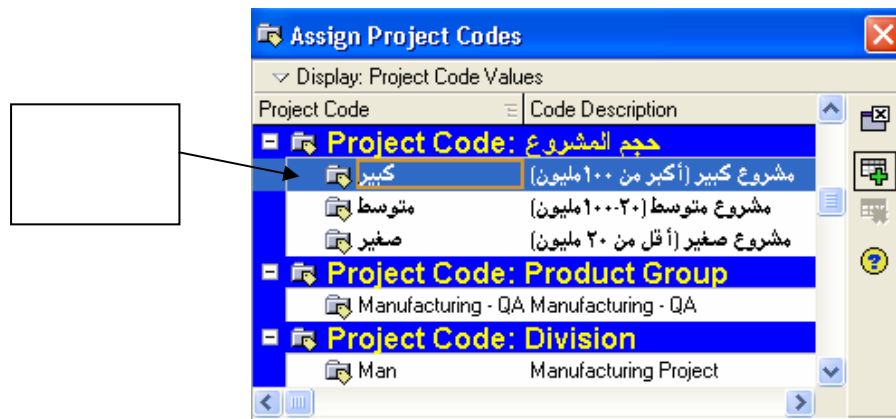




Assign

Codes

-3





-4

4

-5

:

▼ Display: Projects

Project ID	Project Name	2001
إدارة الكماري	إدارة الكماري	يناير   فبراير   مارس   أبريل   مايو   يونيو   يوليو   أغسطس   سبتمبر   أكتوبر   نوفمبر   ديسمبر
NEWPROJ	(New Project)	
إدارة الإنشاءات	إدارة الإنشاءات	
Hotel	فندق سياحي	
فرع اسكندرية	فرع اسكندرية	

---

General | Dates | Notebook Items | Budget Log | Spending Plan | Budget Summary | Funding | Codes | Defaults | Resources | Settings

Project Code	Code Value	Code Description
حجم المشروع	كبير	مشروع كبير (أكبر من 100 مليون)

Assign Remove

Code Value

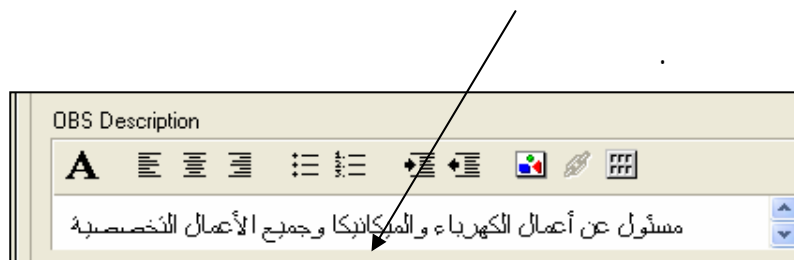
-6



OBS Name -3

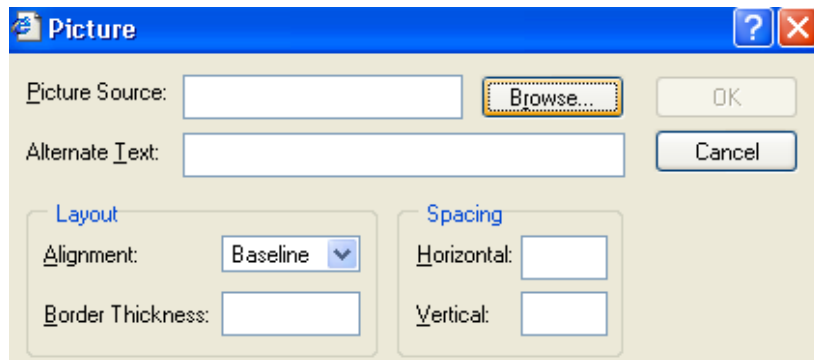
General -4

OBS Description



:

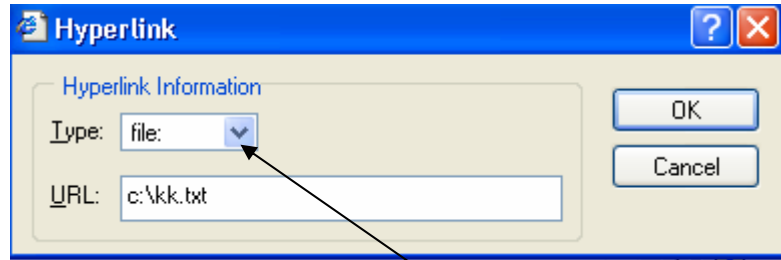
: 



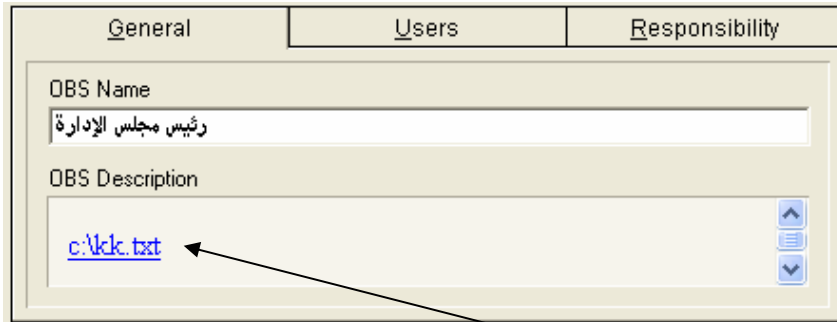
OK

Browse

: 



Type  
OK URL File  
F2 File



WBS  
WBS -5  
Users WBS  
:



WBS

-6

:

Responsibility

General		Users	Responsibility
Project ID / WBS Code	Project Name / WBS Name		
Hotel.S	أعمال تخصصية		
Hotel.S.M	ميكانيكا		
Hotel.S.E	كهرباء		

WBS

WBS

**:OBS**

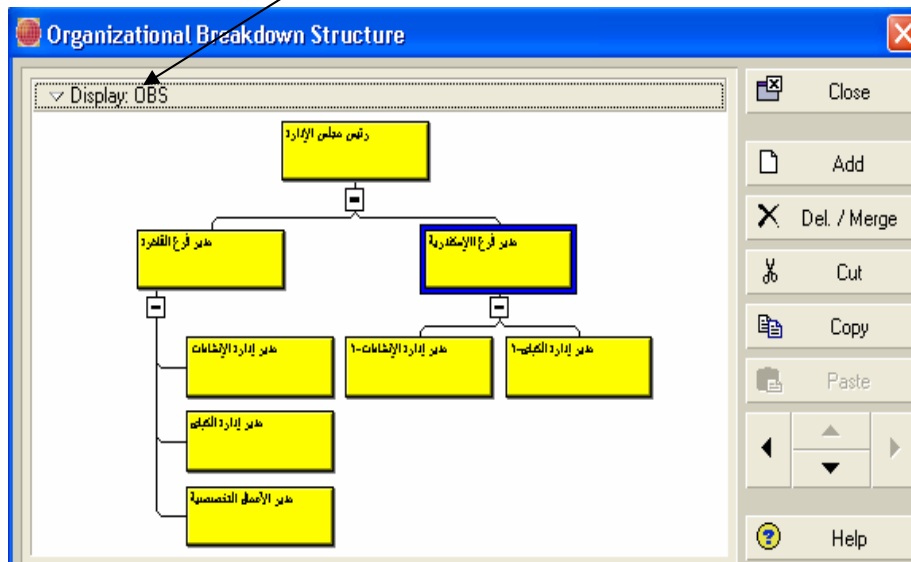
OBS

Chart

Chart View

Display

OBS



Display

Arrange Children

Display

Customize Chart Box Template

(EPS )

### EPS Node

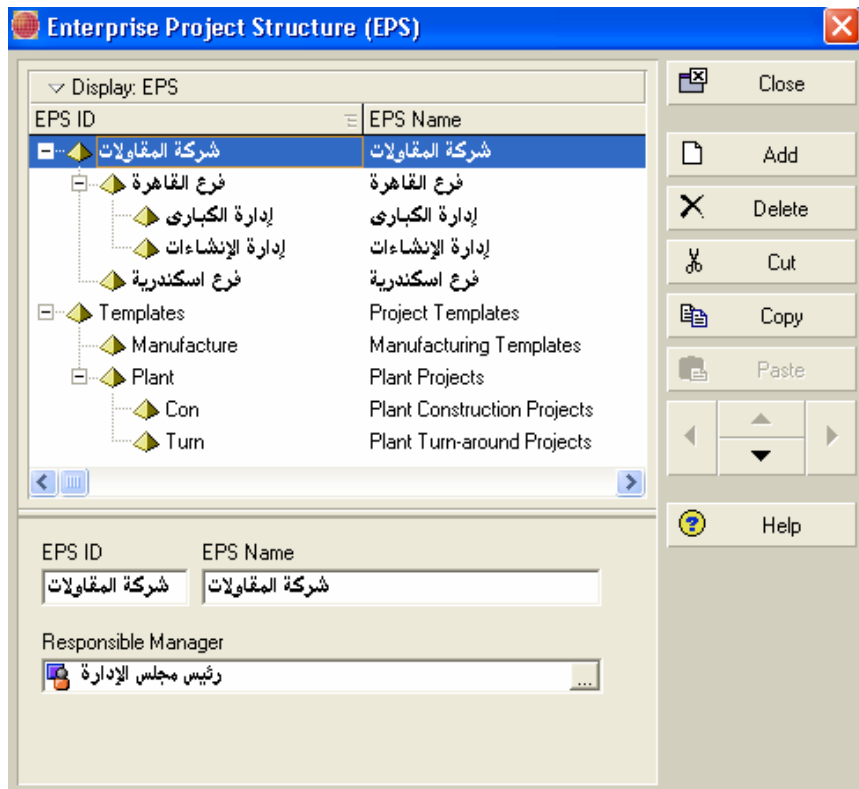
---

Node

. EPS

Enterprise Project Structure

Enterprise



Responsible Manger

EPS

:

OBS

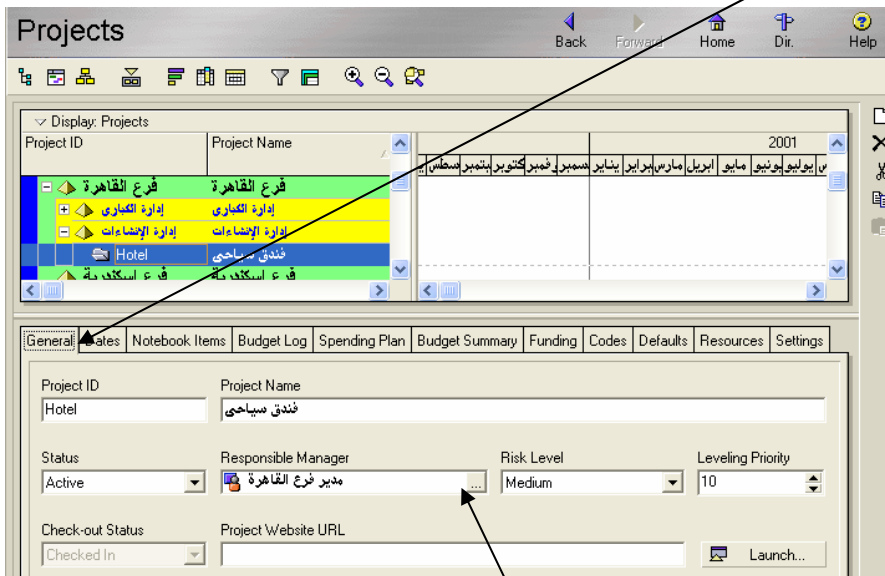


Assign

Project

Enterprise

General



Responsible Manager

## WBS

Project

WBS

General

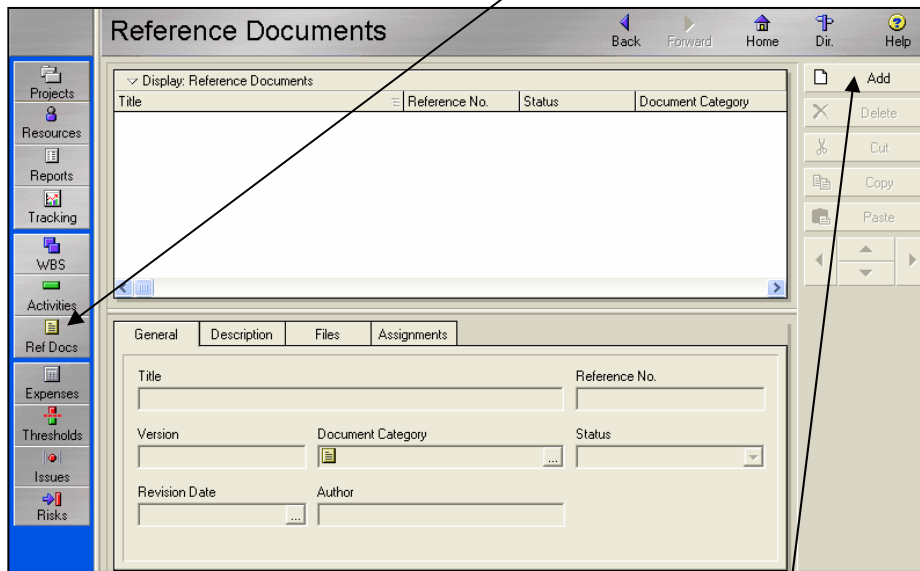
WBS

The screenshot displays the Primavera Work Breakdown Structure (WBS) interface. At the top, there are navigation buttons: Back, Forward, Home, and Dir. Below this is a toolbar with various icons. The main area is divided into two panes. The left pane shows a tree view of the WBS structure under the heading 'Display: WBS'. The tree includes nodes for 'Hotel', 'Hotel.C', 'Hotel.C.S', 'Hotel.C.S.F', 'Hotel.C.S...', 'Hotel.C.F', and 'Hotel.S'. The 'Hotel.C.S' node is selected and highlighted. The right pane shows a detailed view for the selected 'Hotel.C.S' node. It includes a table with columns for months from December to November 2002, and rows for different WBS codes and their corresponding dates. Below the table, there are tabs for 'General', 'Notebook Items', 'Budget Log', 'Spending Plan', 'Budget Summary', 'WBS Milestones', 'Ref Docs', and 'Earned Value'. The 'General' tab is active, showing fields for 'WBS Code' (Hotel.C.S), 'WBS Name' (إنشآت), 'Status' (Active), and 'Responsible Manager' (مدير إدارة الإنشاءات). To the right of these fields is a section for 'Anticipated Dates' with fields for 'Anticipated Start' and 'Anticipated Finish'.

Responsible Manager

## Work Products and Documents

Work Products and Project Documents - 1



Add -2

:

Title	Reference No.	Status	Document Category
عقد المشروع	1245	Approved	Contracts

-3

Add

:

Title	Reference No.	Status	Document Category
عقد المشروع	1245	Approved	Contracts

قائمة الكيانات

الشروط الخاصة

الشروط العامة

عقد المشروع

General Description Files Assignments

Title: قائمة الكيانات Reference No.: Status: Version: Document Category: Status: Revision Date: 25-01-2002 Author:

Add Delete Cut Copy Paste

-4

4

:

**General 1-4**

The screenshot shows a 'General' tab with the following fields: Title (قائمة الكميات), Reference No., Version, Document Category (with a '...' button), Status (dropdown), Revision Date (25-00:00 04-04-00), and Author.

**Document Category**

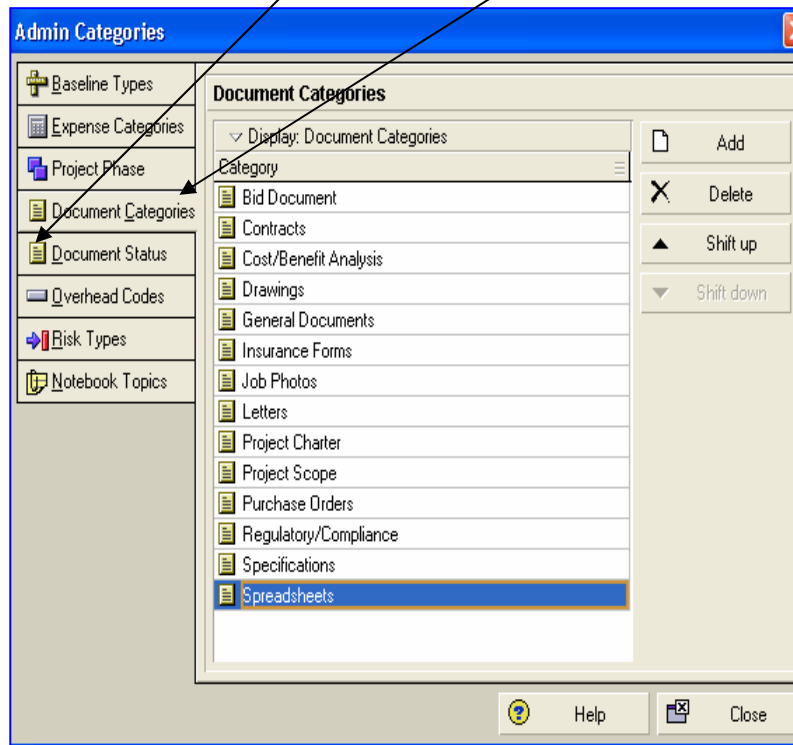


**Contracts**

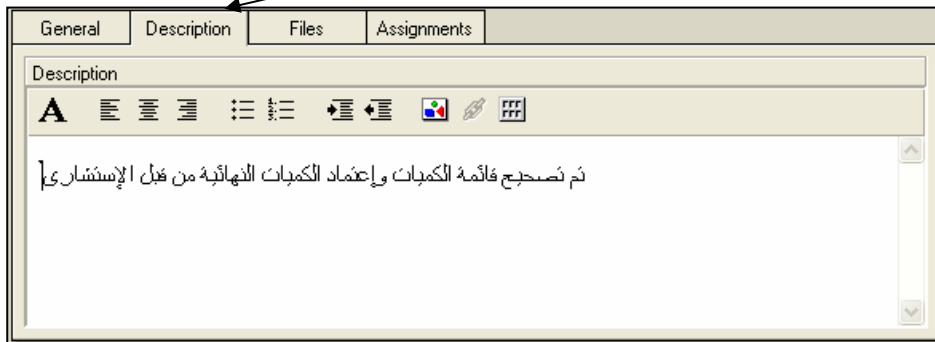
The dialog box lists the following categories: Bid Document, Contracts, Cost/Benefit Analysis, Drawings, General Documents, Insurance Forms, and Job Photos. The 'Contracts' option is highlighted.

**Status**

Admin Categories                      Admin  
Document Status                      Document Categories



**Description** 2-4

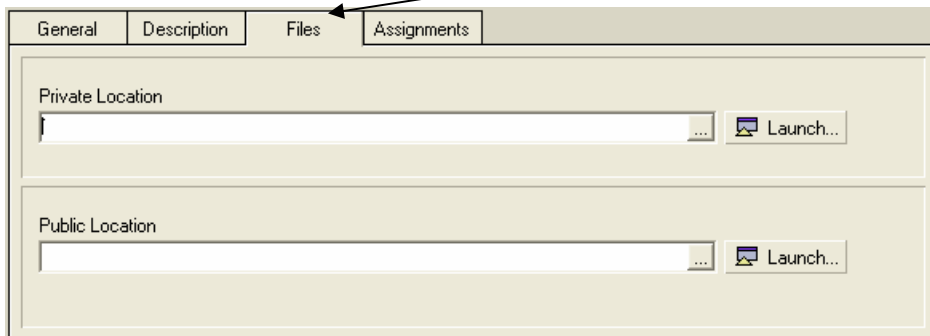


.OK



.OK

**File** 3-4



P3e

Private Location

Progress

P3e

Public Location

Reporter

Launch

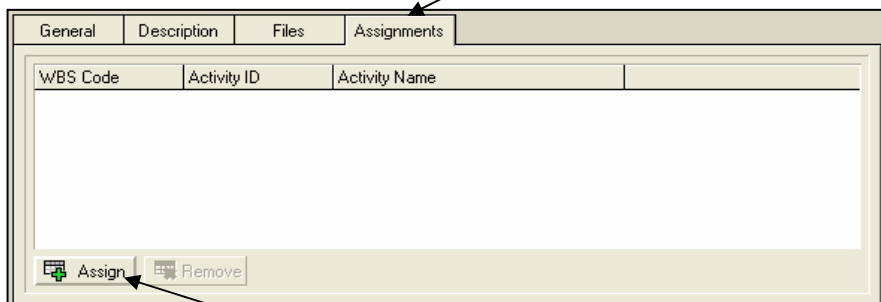


BOQ.xls

Excel

Assignment

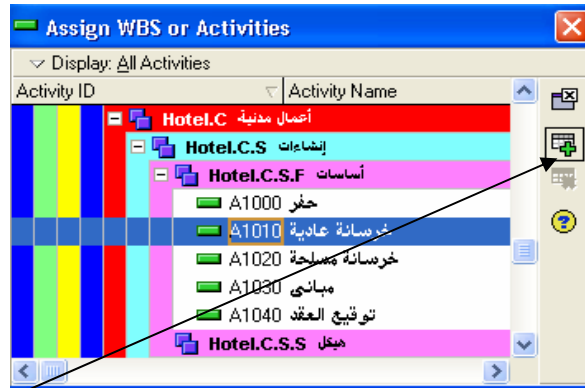
4-4



:

Assign`

WBS



.Assign

WBS

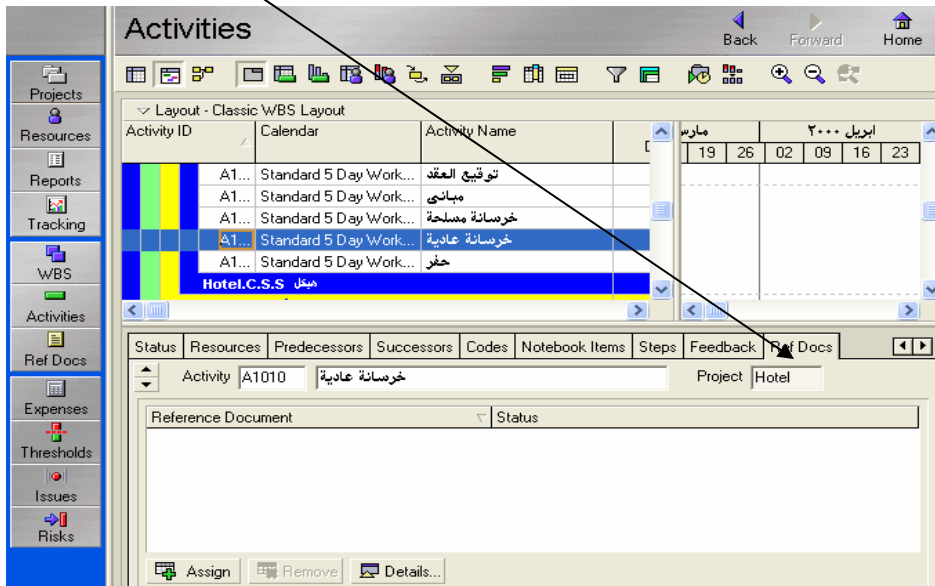
WBS

.Assign

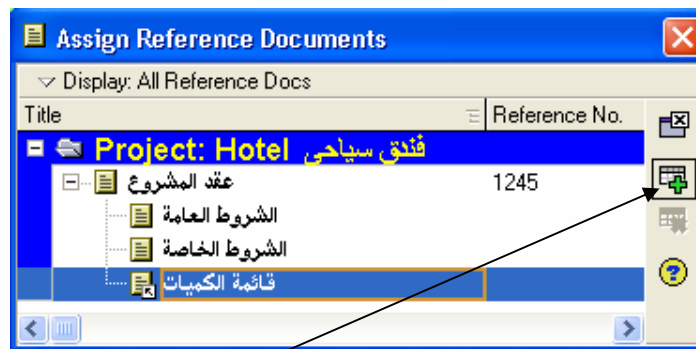
Ctrl

### Activities

WPS & Docs

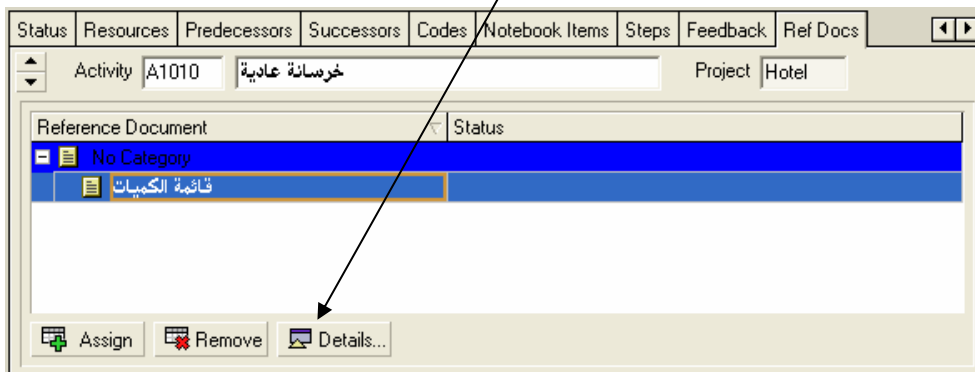


## Assign



Assign

Details



.Launch

**WBS**

WPs & Docs

WBS

The screenshot displays the Primavera Work Breakdown Structure (WBS) interface. On the left is a navigation pane with options like Projects, Resources, Reports, Tracking, WBS, Activities, Ref Docs, Expenses, Thresholds, Issues, and Risks. The main area shows a hierarchical tree of WBS elements for a project named 'Hotel'. The selected element is 'Hotel.C.S.F' with a start date of 01-01-2002. To the right, a Gantt chart shows the timeline for the year 2002, with bars representing the duration of various WBS tasks. Below the main area, there are tabs for 'General', 'Notebook Items', 'Budget Log', 'Spending Plan', 'Budget Summary', 'WBS Milestones', and 'Ref Docs'. The 'Ref Docs' tab is active, showing a 'Reference Document' section with a document titled 'قائمة الكميات' (Quantity List). At the bottom of the 'Ref Docs' section are buttons for 'Assign', 'Remove', and 'Details...'.

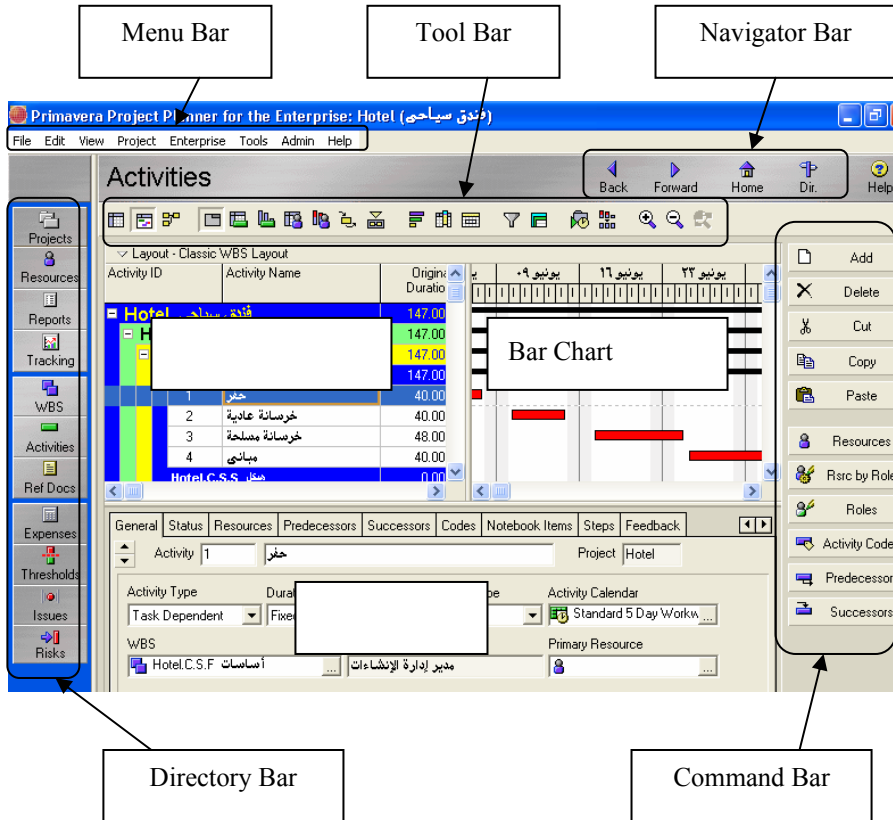
**WBS**



# الشاشة

---

:



P3e

WBS

Navigator Bar



Navigator Bar

**Back**

**Forward**

**Home**

**Dir**

Directory Bar

Tool Bar

View

Navigator Bar

:

Navigator

Navigator Bar

Navigator Bar

.Bar

Navigator Bar

Navigator Bar Button Text

Tool Bar

View

.Navigator Bar

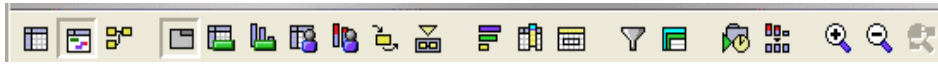
:

Navigator Bar Text



**Tool Bar**

Tool Bar



Tool Bar



Tool Bar

View

Tool Bar

:

Navigator Bar

Activity Tool Bar

Activity Tool Bar

**Command Bar**

Command Bar

. . . . .

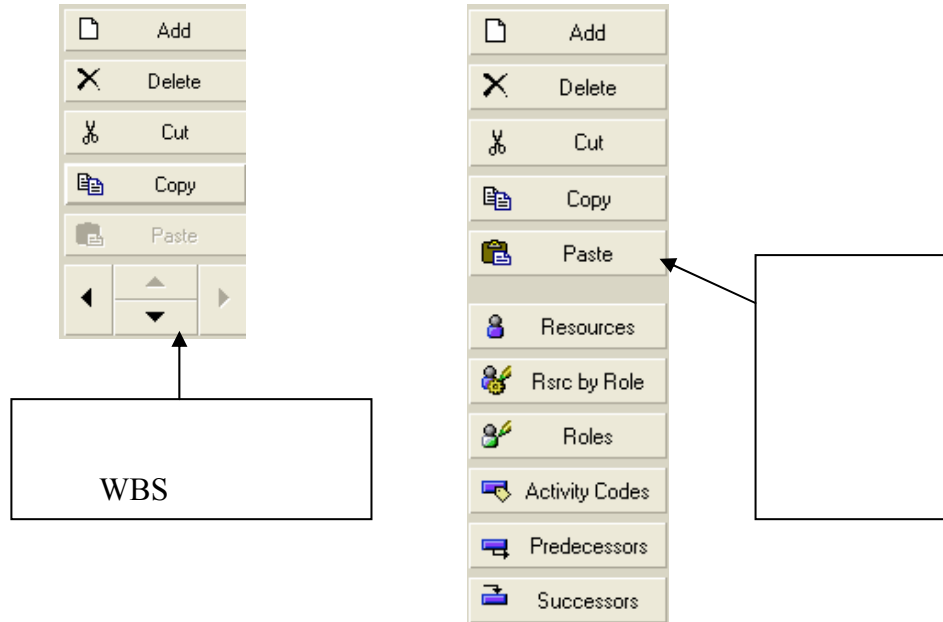
Command Bar

:

WBS

Primavera

---



Command Bar

:

Command Bar Button Text

Tool Bar

View

Command Bar

:

Command Bar Button Text



**Directory Bar**

Directory Bar

..

View

Directory Bar

:

Directory Bar

Tool Bar

Directory Bar

Directory Bar

Directory Bar

Tool Bar

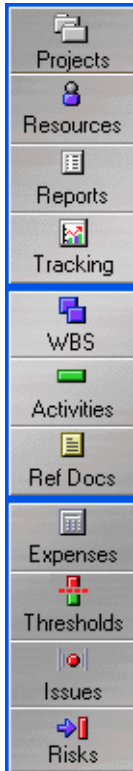
View

Directory Bar Button Text

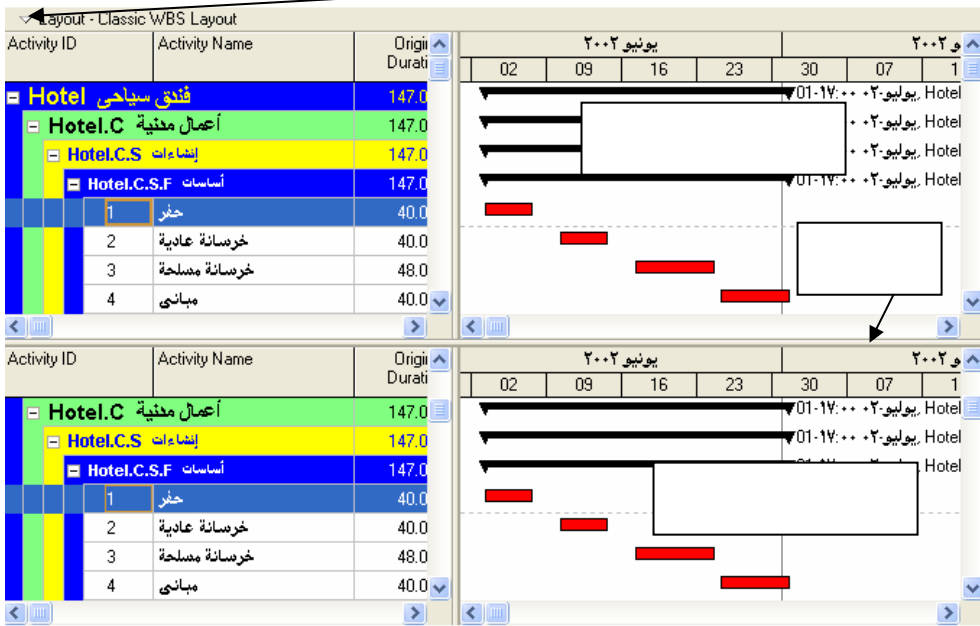
Directory Bar

:

Directory Bar Text



Gantt Chart Show in Bottom Layout



:  
Show in top Layout

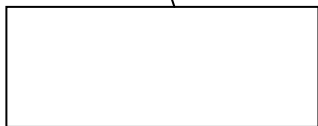
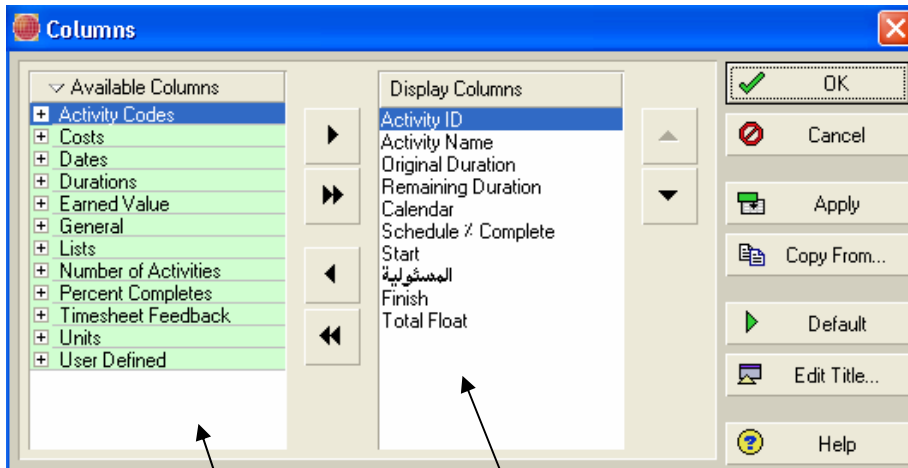
Layout

Show in Bottom



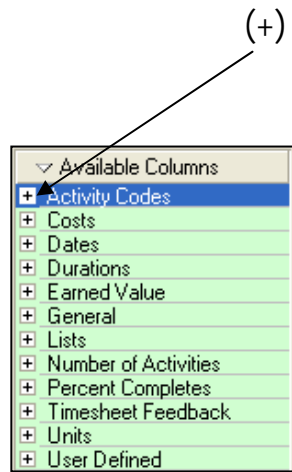
Columns View  
Columns Layout

Tool Bar



Display Columns



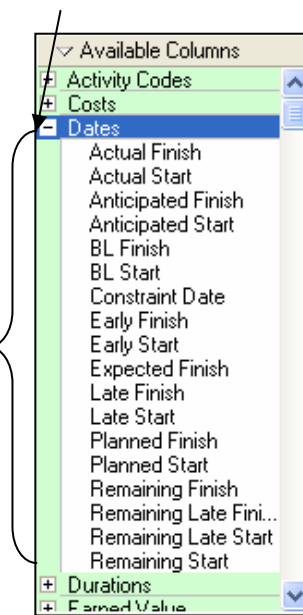


Dates

(+)

:

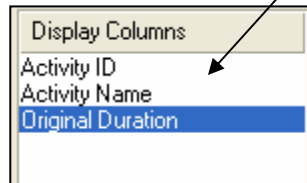
Dates





(Activity ID-Activity Name-Original Duration)

:



:

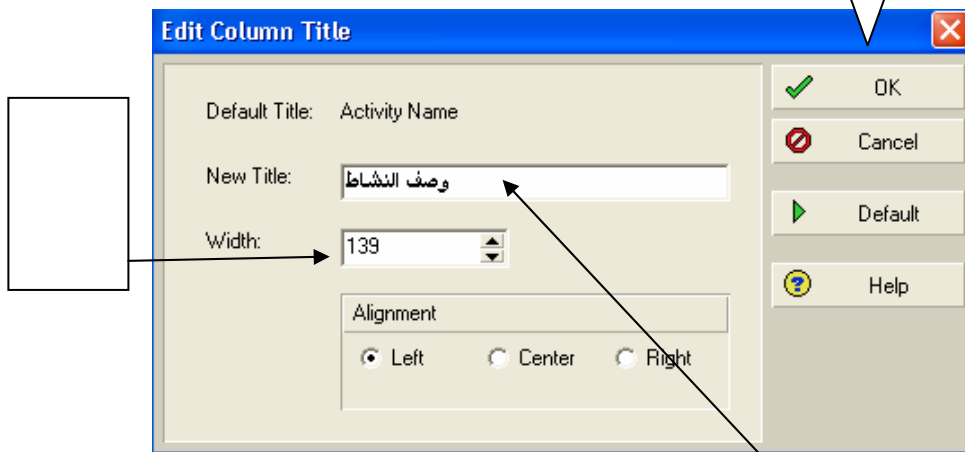
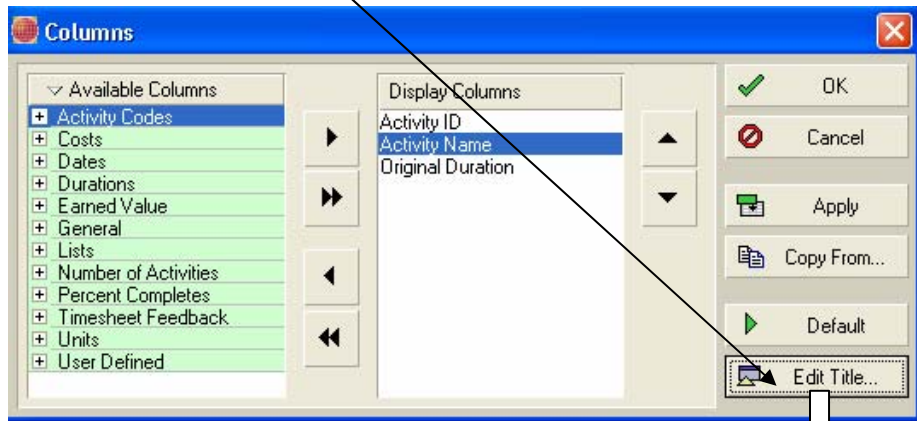
OK

Activity ID	Activity Name	Original Duration
Hotel	فندق سيلاحي	147.00h
Hotel.C	أعمال مخرية	147.00h
Hotel.C.S	إنشاءات	147.00h
Hotel.C.S.F	أساسات	147.00h
1	حفر	40.00h
2	خرسانة عمادية	40.00h
3	خرسانة مسلحة	48.00h

:

Activity Name

: Edit title Activity Name



New Title

:

Activity ID	وصف النشاط	Original Duration
Hotel	فندق سياحي	147.00h
Hotel.C	أعمال مبنية	147.00h
Hotel.C.S	إنشاءات	147.00h
Hotel.C.S.F	أساسات	147.00h
1	حفرة	40.00h
2	خرسانة عادية	40.00h
3	خرسانة مسلحة	48.00h

**:Original Duration**

Edit

Time Units
User Preferences

The screenshot shows the 'User Preferences' dialog box with the 'Time Units' tab selected. The 'Time Unit Formats' section has 'Durations' selected, with an example of '80.50h'. The 'Format Durations' section shows 'Units' set to 'Hour', 'Sub-units' with 'Minutes' unchecked, and 'Decimals' set to '2'. The 'Units/Time Format' section has 'Show as units/duration (4h/d)' selected.

Format Duration

Units

Day

5d 4h

Sub-units

( 4 5 )

Day

:

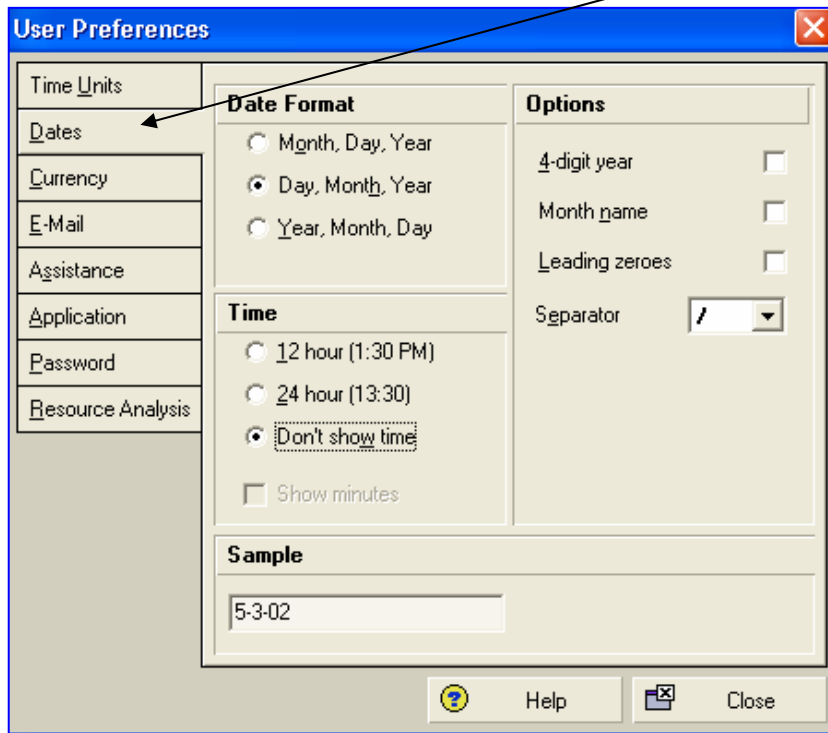
Layout - Classic WBS Layout		
Activity ID	وصف النشاط	Original Duration
Hotel.C	أعمال مبنية	18d 6h
Hotel.C.S	إنشاءات	18d 6h
Hotel.C.S.F	أساسات	18d 6h
1	حفر	5d
2	خرسانة عادية	5d
3	خرسانة مسلحة	6d

User Preferences

Edit

: \_\_\_\_\_


Dates



.Close

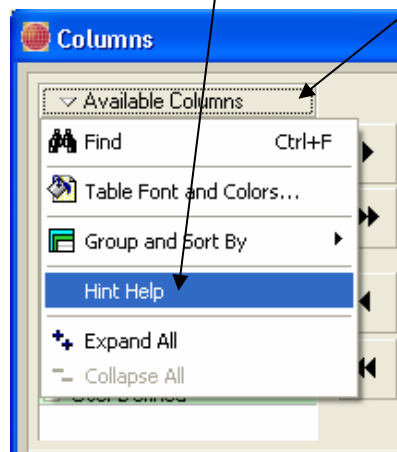
**:Hint Help**

---

Hint help  
Tool                      Columns                      View                      Columns  
                                 Columns                      Layout                                            Bar

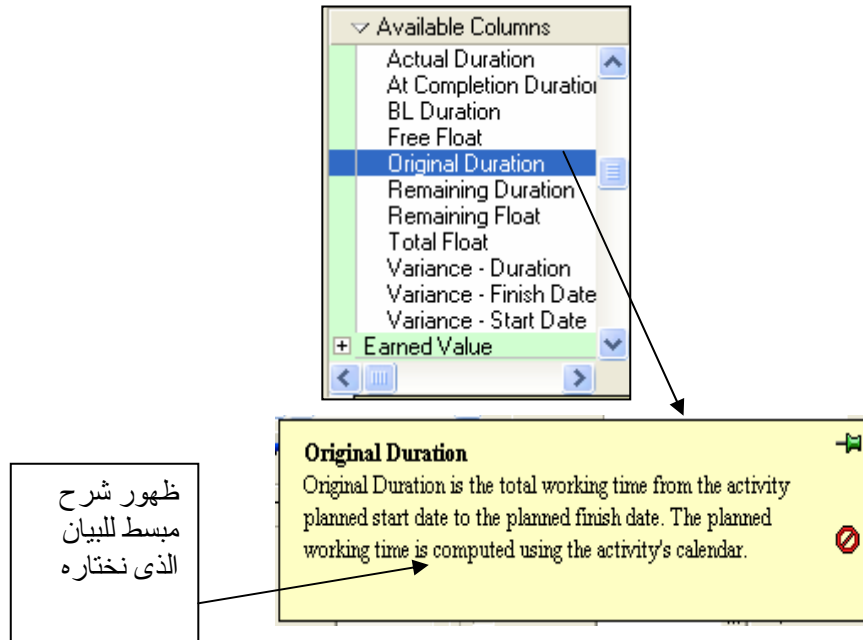
Hint Help

Available Columns



Start

:                      Hint Help



Hint Help

---

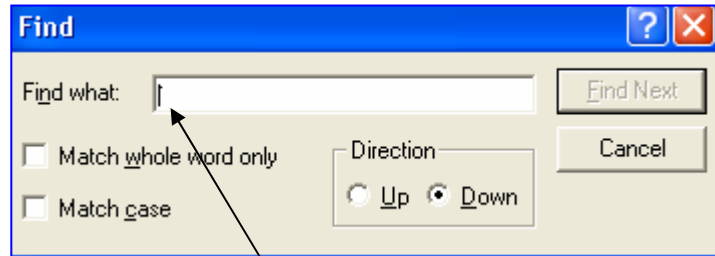
Available Columns

Available Columns

:

Ctrl + F

Find



Find What

.Find Next

---

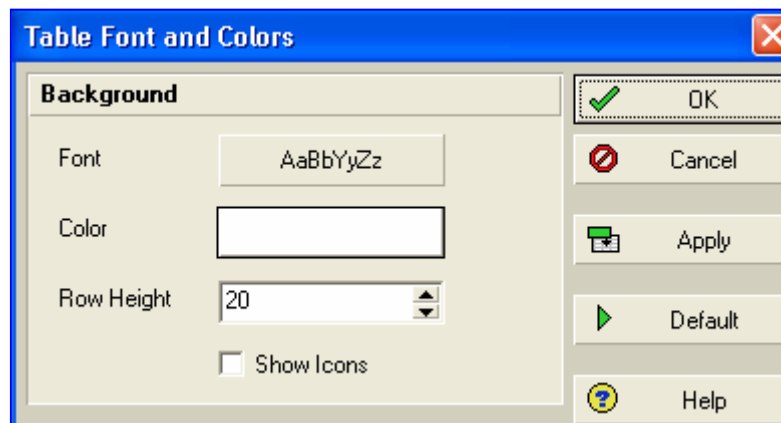
Table Font and Colors      View

Font and Colors

:

Font and Colors

Layout



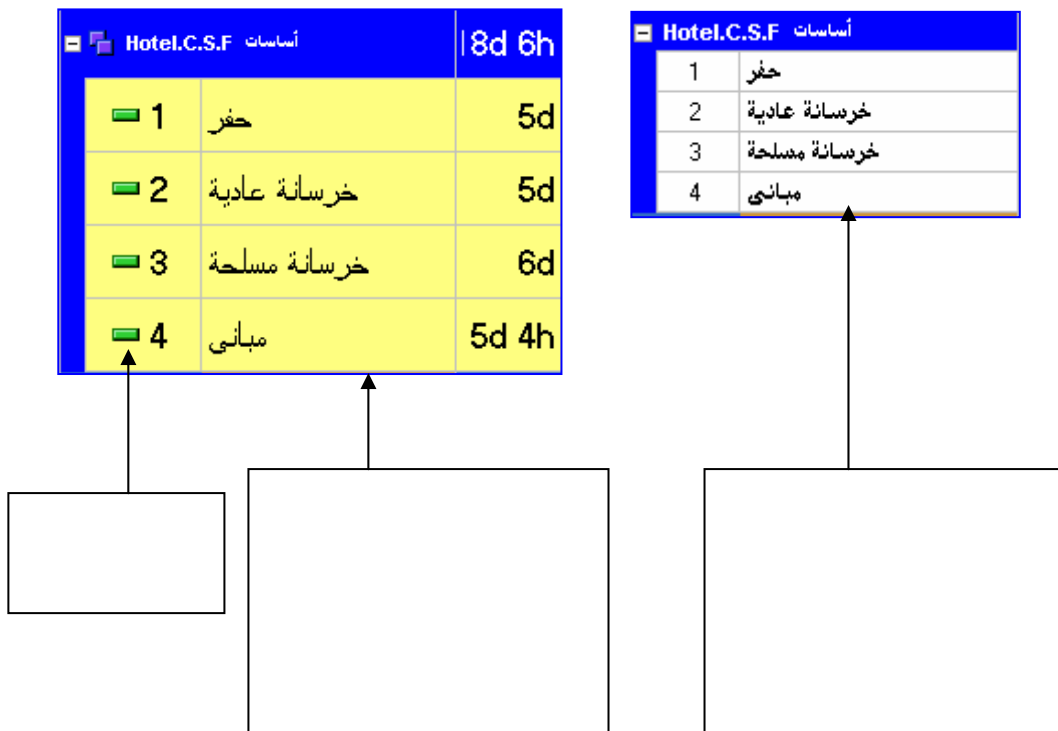
.Font

Color

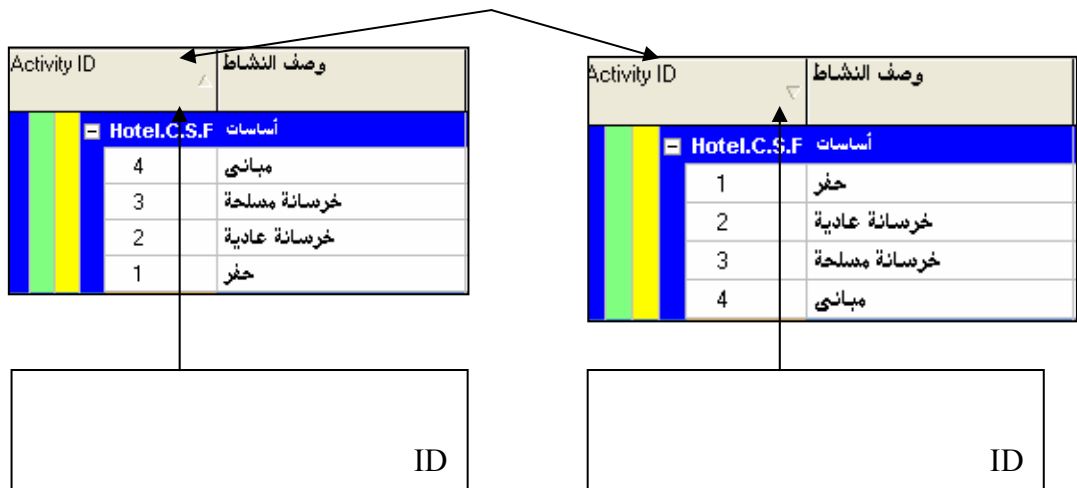
Row Height

( - WBS - )

Show Icon



Activity ID	وصف النشاط	Original Duration
Hotel.C.S.F أساسات		18d 6h
1	حفير	5d
2	خرسانة عادية	5d
4	مبانى	5d 4h
3	خرسانة مسلحة	6d

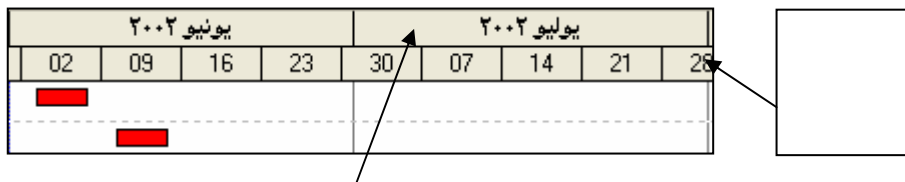


### Bar Chart

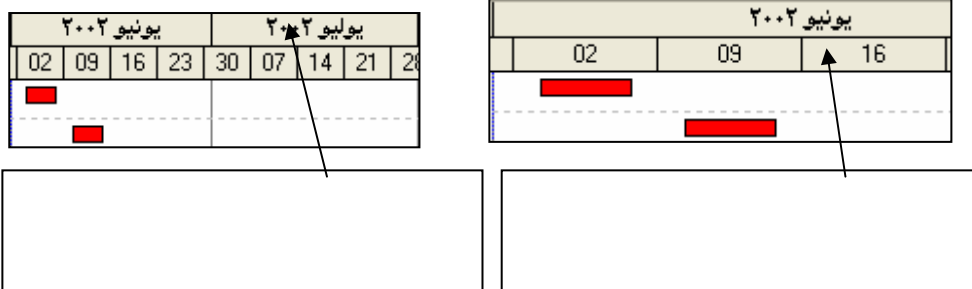
Bar Chart

### Timescale

: Bar Chart



:



Timescale

View

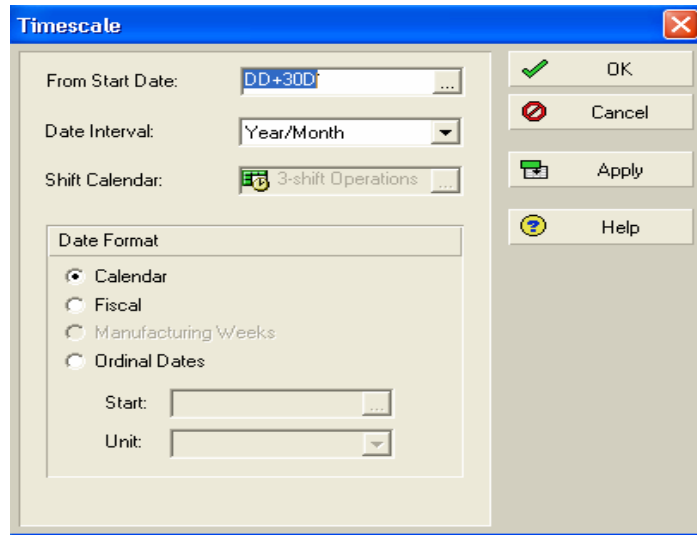
Timescale

Bar Chart

:

Tool Bar





:

### Format Start Date

:



Bar Chart

- PS - Earliest Project Start
- PF - Latest Project Finish
- ✓ DD - Earliest Data Date
- CD - Current Date
- CW - Current Week
- CM - Current Month
- Custom Date...

Custom Date

.Data Date

### Earliest Data Date

From Start Date:  ...

- Week W (-2W) DD  
Data Date  
. Data Date  
(-) (+)  
( D W M Y )  
D W M Y

### Date Interval

: Month/week

يونيو ٢٠٢٢				يوليو ٢٠٢٢				
02	09	16	23	30	07	14	21	28

### Shift Calendar

Day/Shift

Date Format

:

Date Format

Calendar  
 Fiscal  
 Manufacturing Weeks  
 Ordinal Dates

Start:

Unit:

**Fiscal**

:

FY2003														
FM1	FM2	FM3	FM4	FM5	FM6	FM7	FM8	FM9	FM10	FM11	FM12	FM1	FM2	FM3

FY

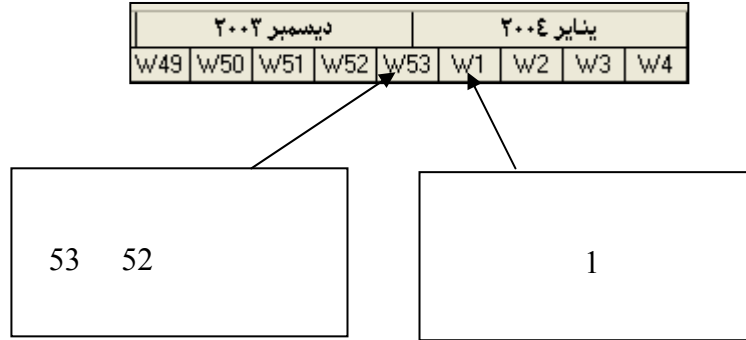
**Manufacturing Weeks**

53 52

53 52

1

:



**Ordinal Dates**

Start Date

Unit

2002/3/1

1

2

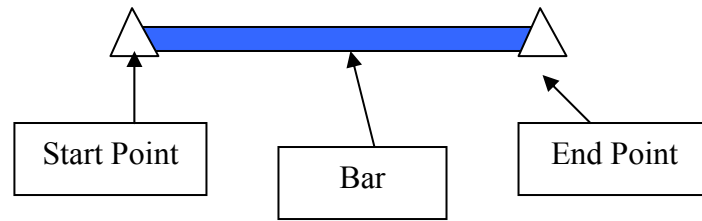
**Bars**

Bar

Bar

Bars

Bar



Layout

Bars

View

Bar

Bar Chart

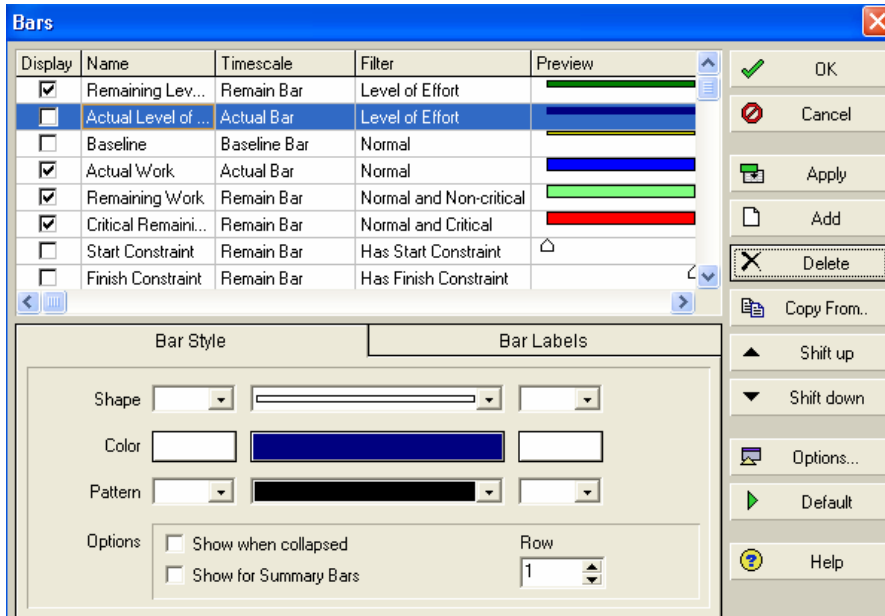
Bars

.Tool Bar



Bars

: Bars



### Bars

Bar

Bar

Display

Bar

Bar

(Late Start)

(Late Finish)

:

Bar

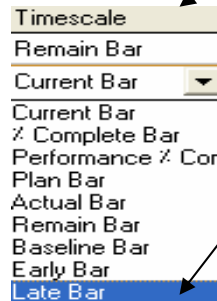
-1

.Add

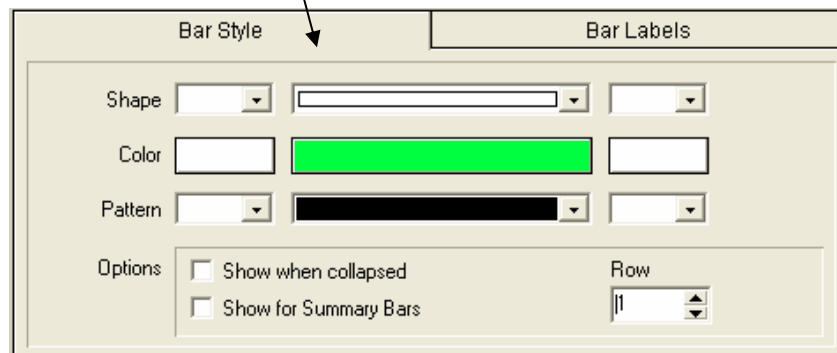
Primavera

Display	Name	Timescale	Filter	Preview
<input checked="" type="checkbox"/>	Remaining Lev...	Remain Bar	Level of Effort	
<input checked="" type="checkbox"/>	( New Bar )	Current Bar	All Activities	

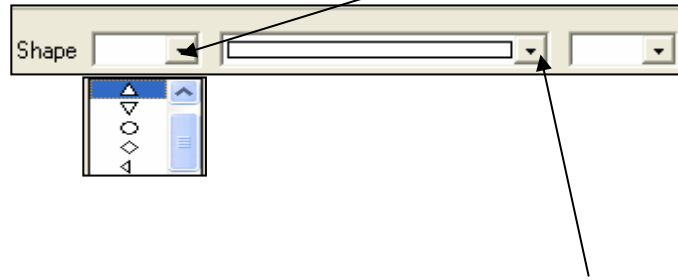
Late Bar Name -2  
 Bar Bar -3  
 Timescale  
 Late Bar



Filter Filter -4  
 Bar Style -5



Shape -6



Bar

Bar Color -7

Option -8



**Show when collapsed**

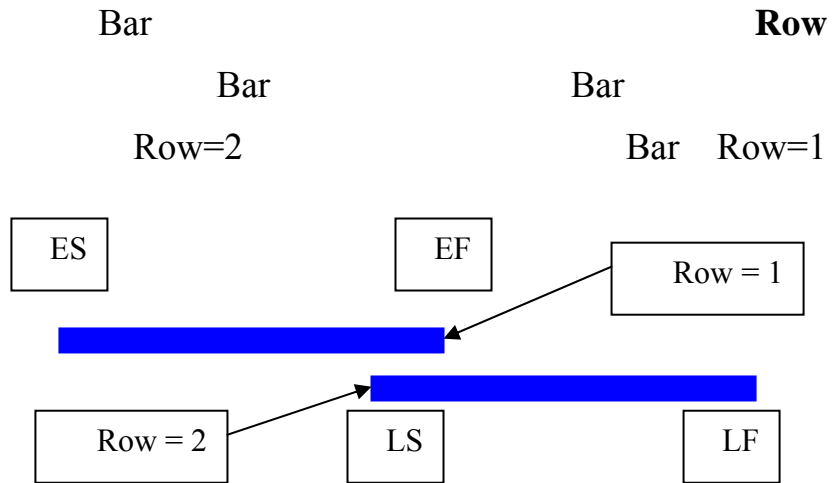
Bar





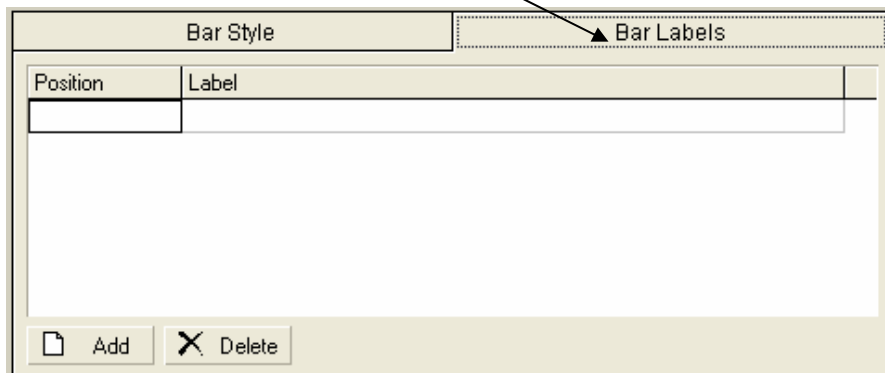
**Show for summary bars**

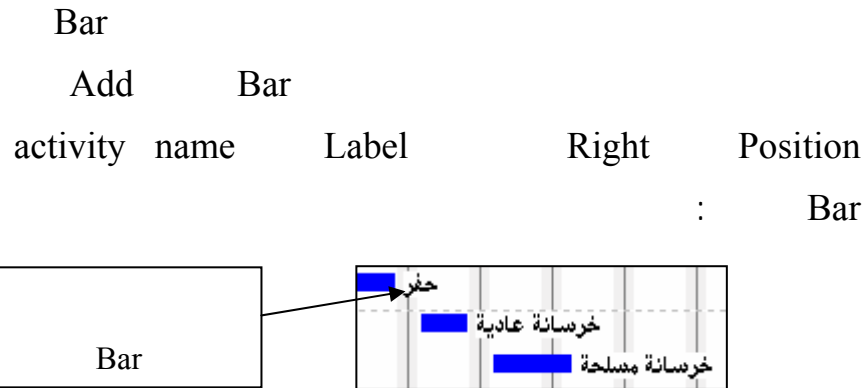
Summarize



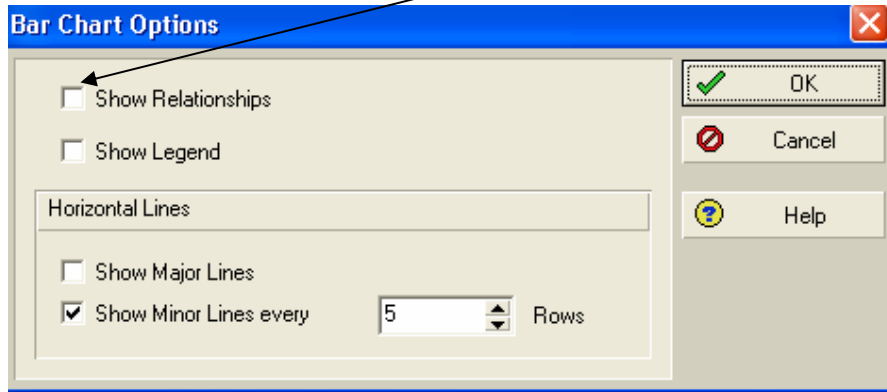
Bar Labels

-9





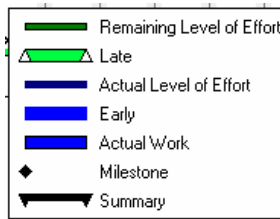
### Bar Chart



**Bar Chart**                      **Legend**

Bar                      Bar Chart                      Legend

Show Legend



**Bar Chart**

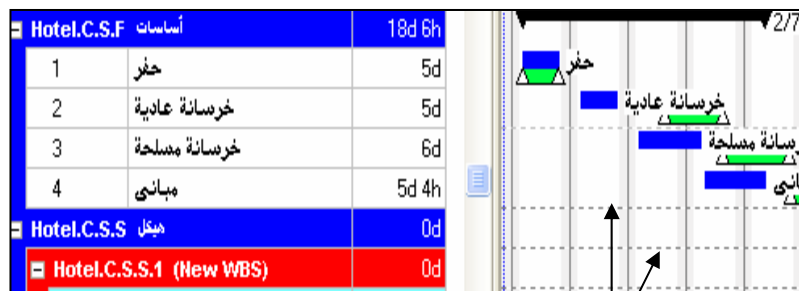
Major                      Bar Chart                      Major                      Minor

Show major lines

Minor

Show Minor Lines every.....

3



ظهور Major Lines لكل بند أو مجموعة أنشطة

## PERT View

Bar Chart

PERT



Show in top

PERT

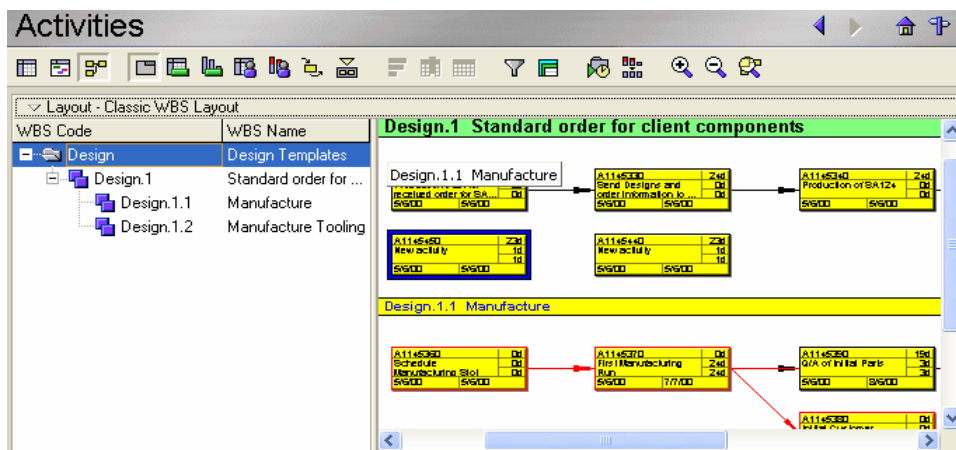
View

Show in top

PERT

Layout

:



PERT

:

(Best fit)



Primavera

---

PERT

Alt

.

**PERT**

Select All

Edit

---

---

Shift

---

Ctrl

.

**PERT**

Add

Edit

Add

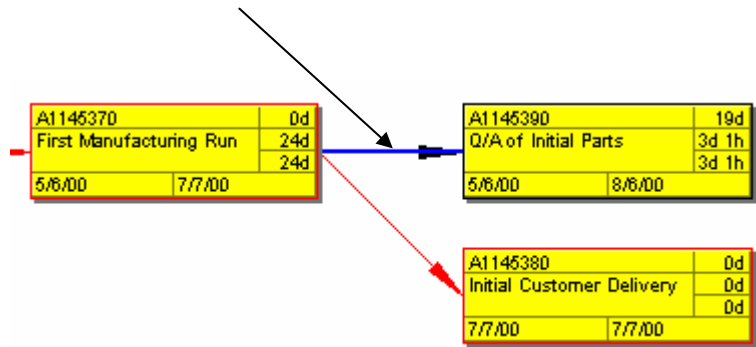
.



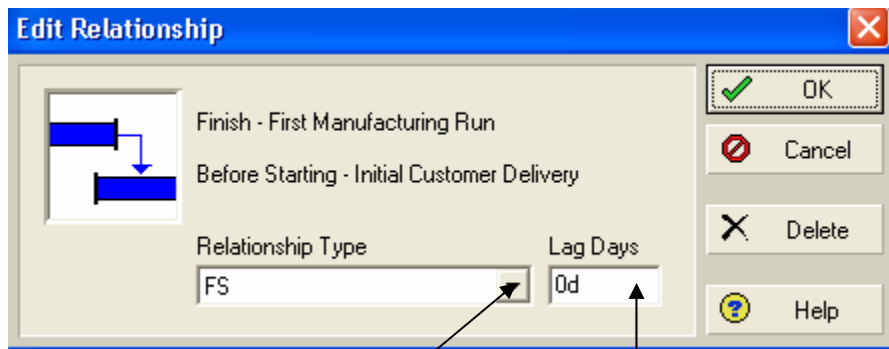
FS

PERT

:



:



[Empty box]

Lag

Lag

.

## Tracing Logic

Show in Bottom

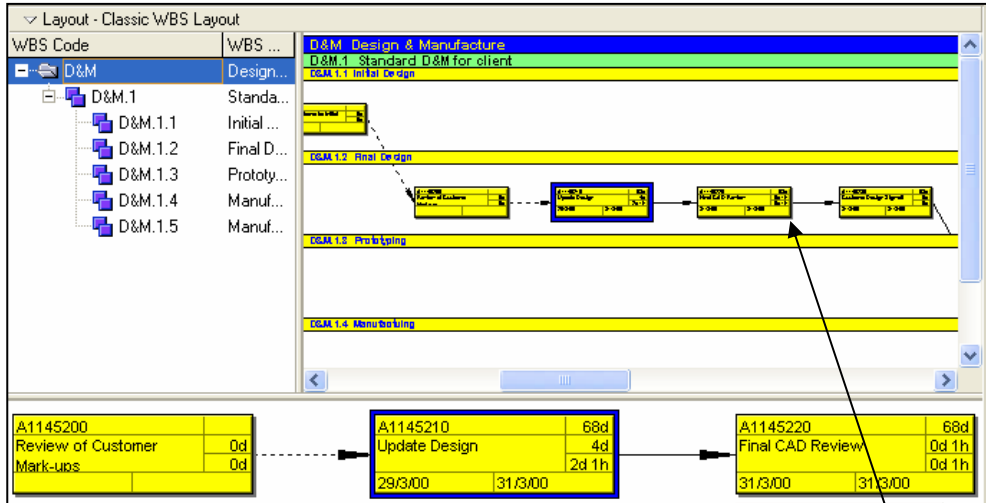


Layout

View

Trace Logic

Trace Logic



Trace Logic

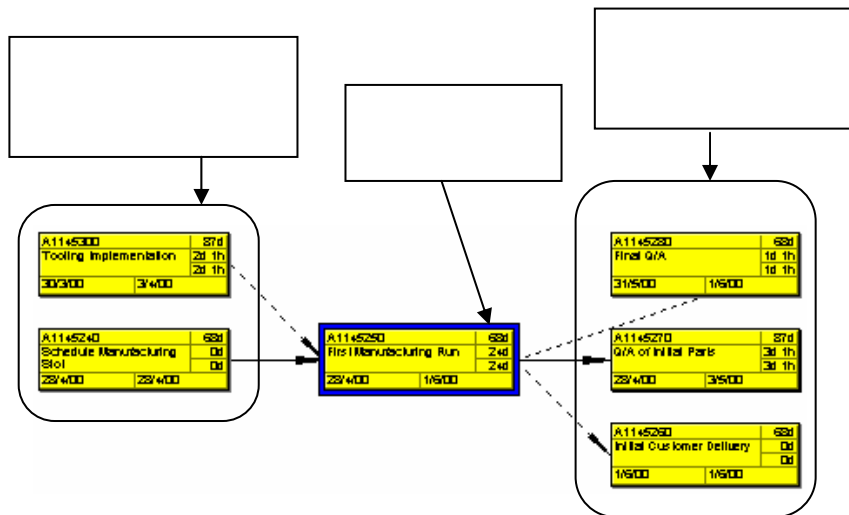
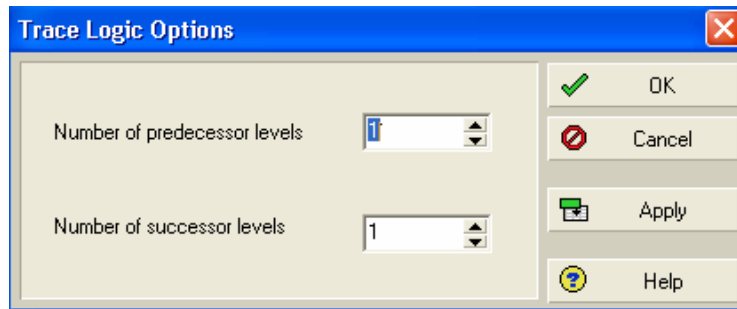
## Trace Logic

Trace Logic

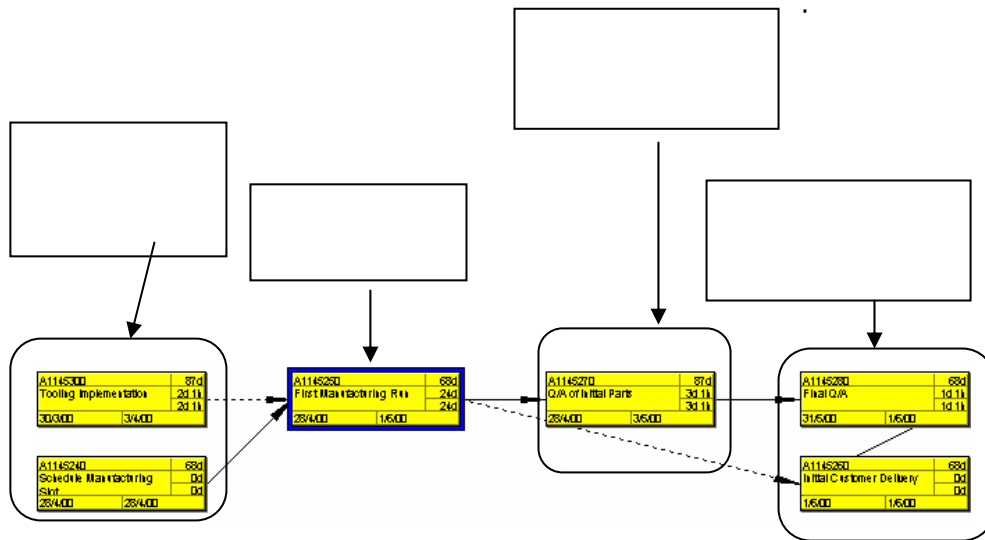
Trace Logic

:

Trace Logic Option



2



PERT View

PERT Options View

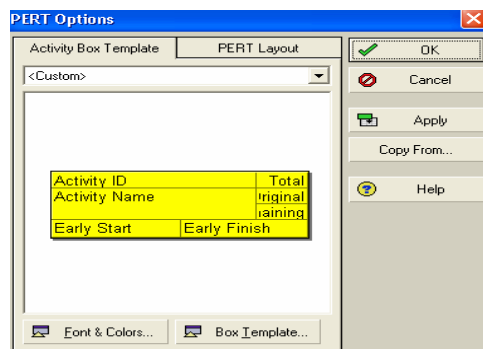
Layout

PERT Options

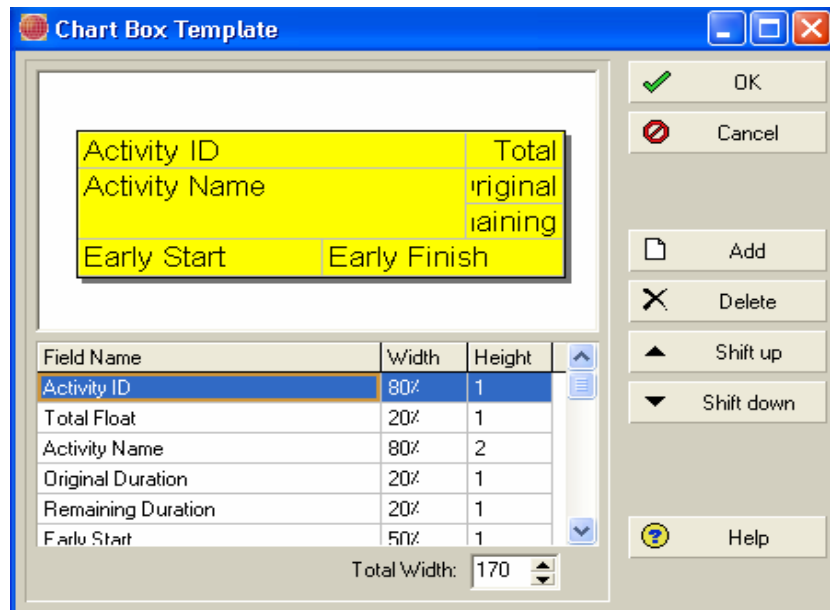
PERT

:

PERT Options



: Box Template



Field Name

Height

Width

Shift up/Down

Apply

OK



تنظيم الأنشطة

---

## Filter



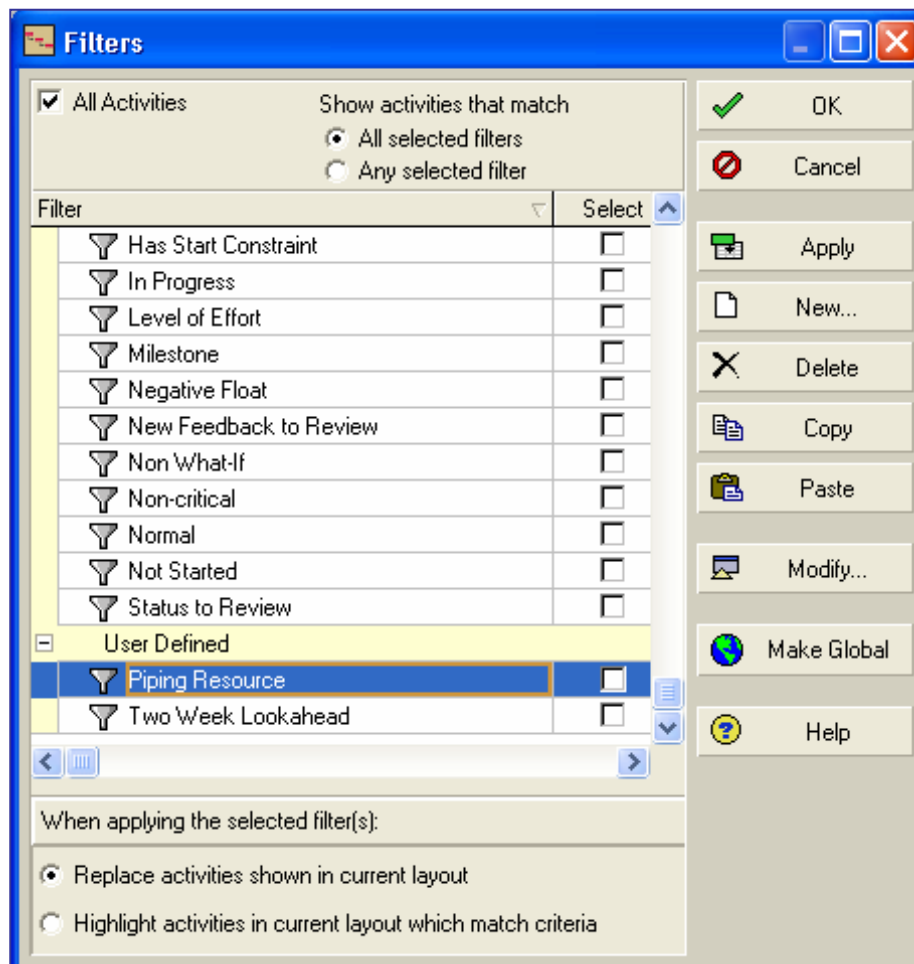
Filter

View

Filter

:

Tool Bar



## All Activities

### Filter

Filters

Default

.User Defined

Apply

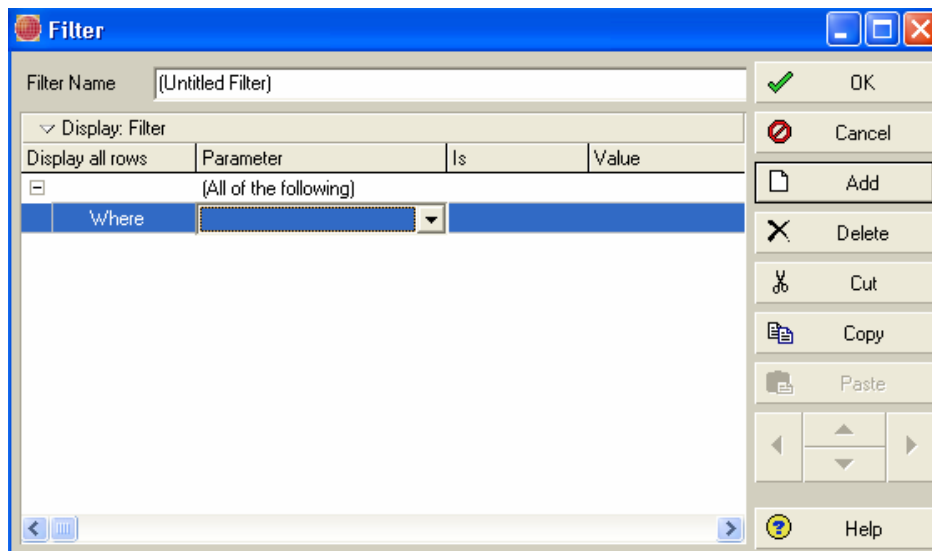
Filter

### Filter

:

New

Filter



Filter  
 2003/1/1  
 Filter Name  
 Parameter  
 Early Start  
 Filter  
 Is  
 Custom Date  
 Value (>)  
 2003/1/1  
 : Filter

▼ Display: Filter			
Display all rows	Parameter	Is	Value
☐ (All of the following)			
Where	Early Start	>	1/1/03

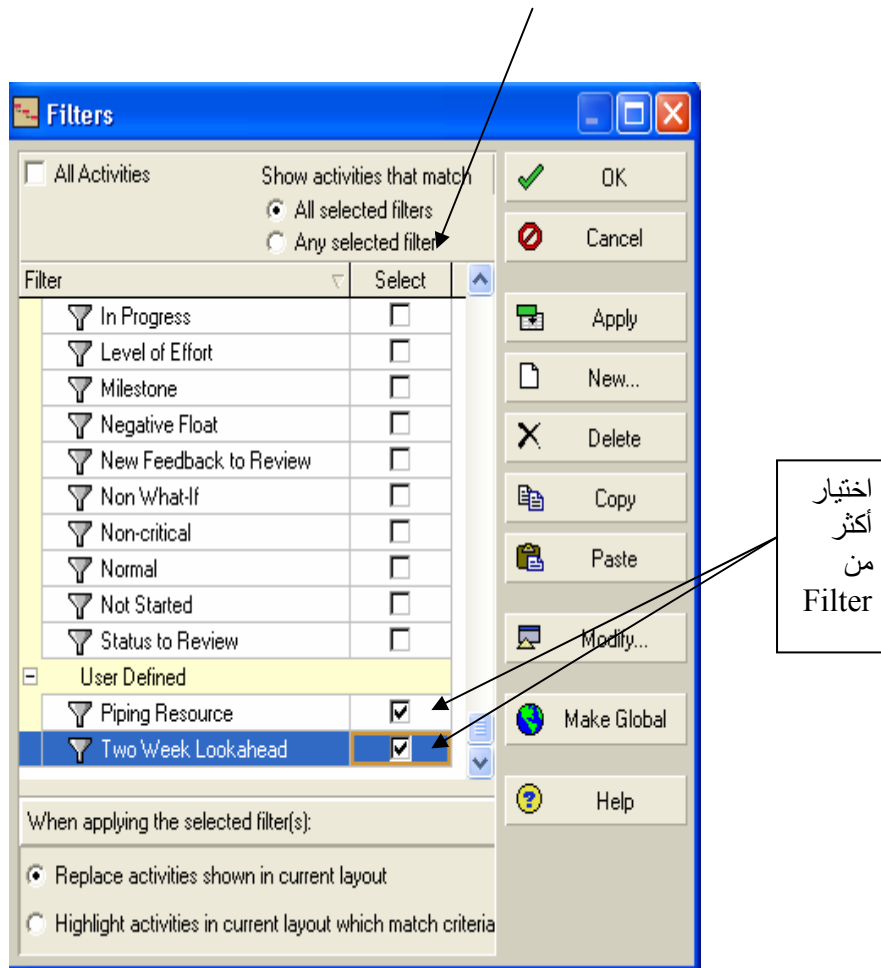
Add  
 Early Start  
 2003/1/1  
 Filter  
 Filter :  
 :  
 Parameter  
 All of the following - 1

Any of the following -2

**Filter**

Filter

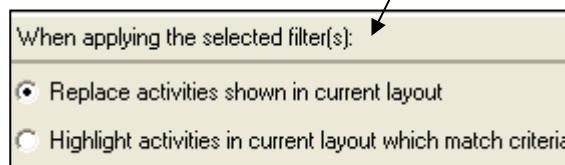
Filter



**Filter**

---

When applying the selected filter(s):



When applying the selected filter(s):

- Replace activities shown in current layout
- Highlight activities in current layout which match criteria

:

**Replace activities shown in current layout**

Filter

Highlight activities in current layout which match criteria

( ) Filter

. ( ..... - )

## Organize Activities

---

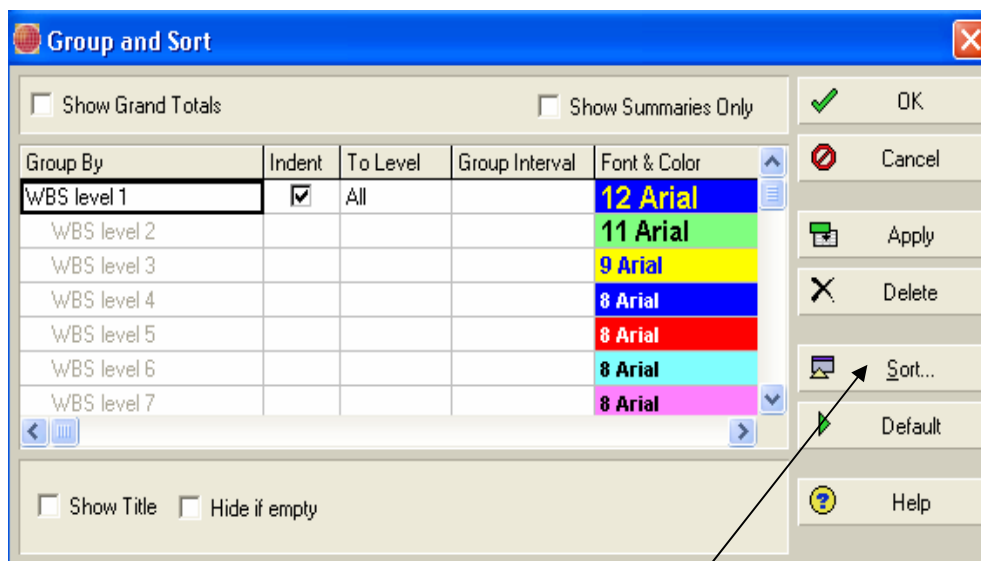
Group and Sort



View

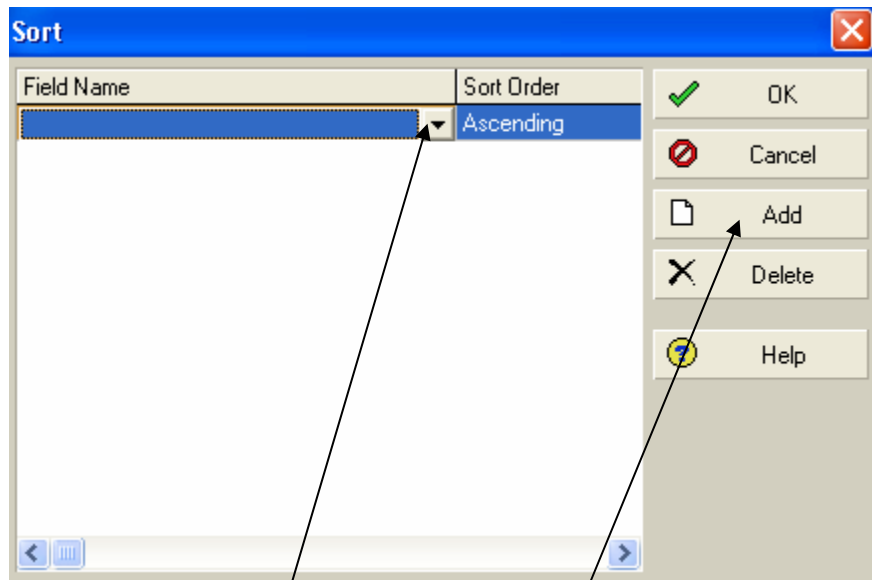
Group and Sort

Layout



:

Sort



Field Name

Add

Sort Order  
Descending

Start Early  
Ascending

Ascending

:

Activity ID	Activity Name	Early Start
BA469	Assemble Technical Data for Heat Pump	1/1/03
BA530	Review and Approve Brick Samples	1/1/03
BA470	Review Technical Data on Heat Pumps	6/1/03
BA560	Review and Approve Flooring	10/1/03
BA421	Prepare and Solicit Bids for Brick Exterior	15/1/03

.ID

Total Float

:

Sort

Sort	
Field Name	Sort Order
Start	Ascending
Total Float	Ascending

:

Activity ID	Activity Name	Early Start	Total Float
BA530	Review and Approve Brick Samples	1/1/03	44d
BA469	Assemble Technical Data for Heat Pump	1/1/03	60d
BA470	Review Technical Data on Heat Pumps	6/1/03	60d
BA560	Review and Approve Flooring	10/1/03	122d
BA421	Prepare and Solicit Bids for Brick Exterior	15/1/03	44d
BA422	Review Bids for Brick	20/1/03	44d

Total Float

(.....- - )

Layout

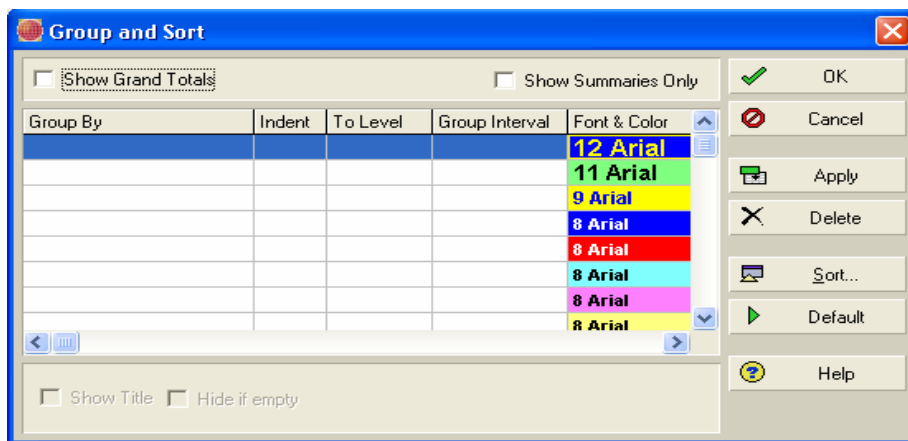
Group and Sort

View

Tool Bar



Group and Sort



Group BY

Early Start

Group Interval

Font and

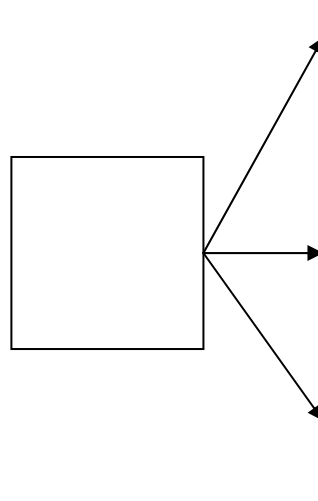
Month

Color

:

Primavera

Group By	Indent	To Level	Group Interval	Font & Color
Early Start			Month	12 Arial
				11 Arial



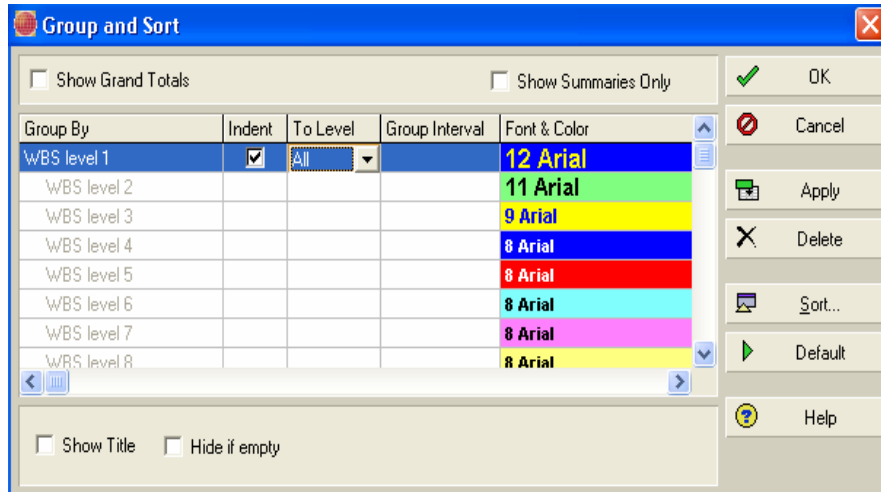
= Early Start: ۲۰۰۳ فبرایر		59d
BA409	Award Contract for Flooring	1d
BA620	Fabricate and Deliver Flo...	58d
BA660	Install Underground Wate...	5d
BA670	Install Underground Electr...	5d
BA680	Form/Pour Concrete Footi...	10d
= Early Start: ۲۰۰۳ مارس		37d
BA681	Concrete Foundation Walls	10d
BA690	Form and Pour Slab	5d
BA700	Backfill and Compact Walls	2d
BA701	Foundation Phase Compl...	0d
BA710	Erect Structural Frame	20d
= Early Start: ۲۰۰۳ اپریل		14d
BA702	Begin Structural Phase	0d

2003

(Early Start 2003 )

:

WBS



Indent

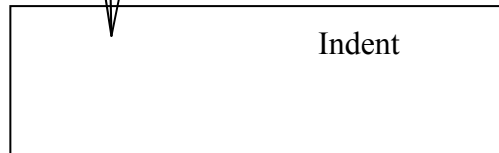
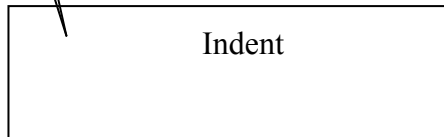
WBS

.To Level

Indent

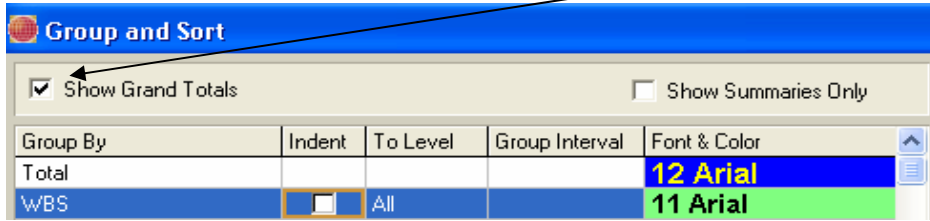
<b>Bldg. Office Building Addit...</b>	0d
<b>Bldg.D&amp;E Design and En...</b>	915d
<b>Bldg.Foundation Foundat...</b>	928d
<b>Bldg.Structure Structure</b>	59d
<b>Bldg.Mechanicals Mechan...</b>	60d
BA809 Rough-In Phase Begins	0d
BA880 Rough In Complete	0d
<b>Bldg.Mechanicals.Lifts El...</b>	59d
BA860 Install Elevator Rails and ...	15d
BA913 Install Elevator Cab and Fi...	2d

<b>Bldg. Office Building Addit...</b>	1122d
<b>Bldg.D&amp;E Design and Eng...</b>	915d
<b>Bldg.Foundation Foundat...</b>	928d
<b>Bldg.Structure Structure</b>	59d
<b>Bldg.Mechanicals Mechan...</b>	205d
BA809 Rough-In Phase Begins	0d
BA880 Rough In Complete	0d
<b>Bldg.Mechanicals.Lifts Elevator</b>	59d
BA860 Install Elevator Rails and ...	15d
BA913 Install Elevator Cab and Fi...	2d



## Group and Sort

Show Grand Totals



Activity ID	Activity Name	Original Duration	Remaining Duration
<b>Total</b>		1122d	220d
<b>Bldg Office Building Addit...</b>		0d	0d
<b>Bldg.D&amp;E Design and Eng...</b>		915d	13d
BA400	Design Building Addition	20d	0d
BA501	Review and Approve Des...	14d	0d
BA469	Assemble Technical Data...	3d	3d

## Group and

Show Title

Sort

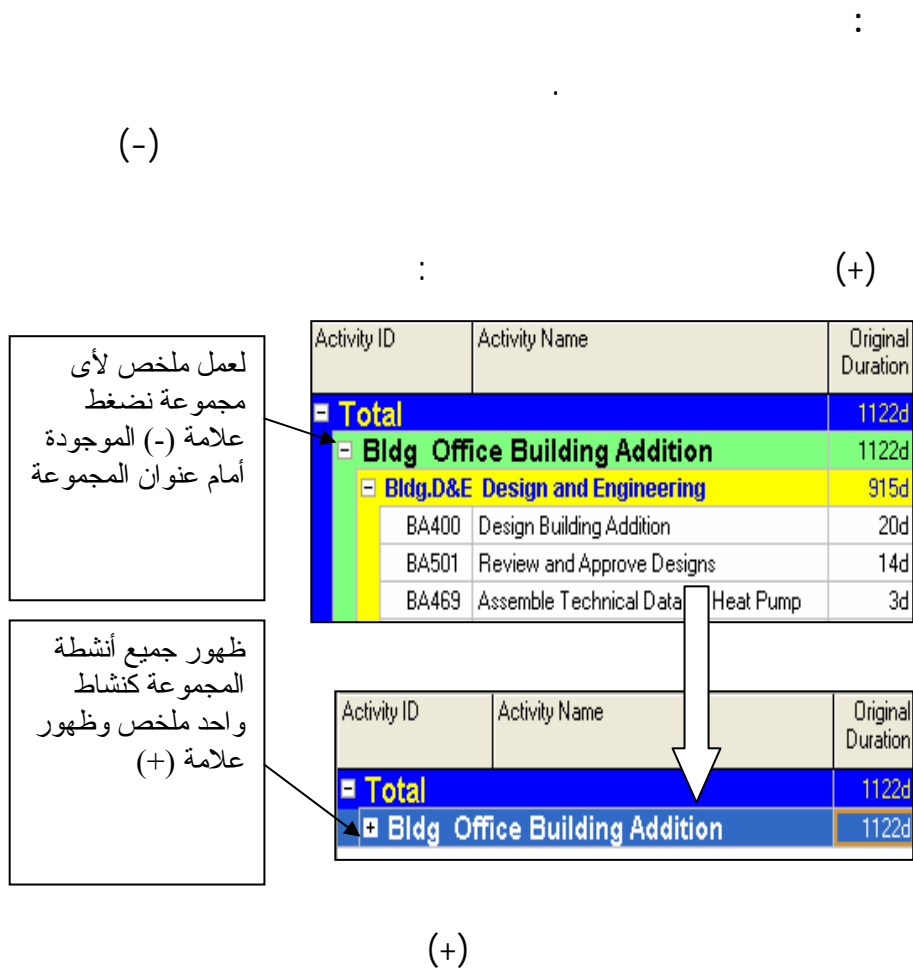
Activity ID	Activity Name
<b>Total</b>	
<b>Bldg Office Building Addition</b>	
<b>Bldg.D&amp;E Design and Engineering</b>	
BA400	Design Building Addition
BA501	Review and Approve Designs

Activity ID	Activity Name
<b>Total</b>	
<b>WBS: Bldg Office Building Addition</b>	
<b>WBS: Bldg.D&amp;E Design and Engineering</b>	
BA400	Design Building Addition
BA501	Review and Approve Designs
BA469	Assemble Technical Data for Heat Pump

Show Title

Show Title

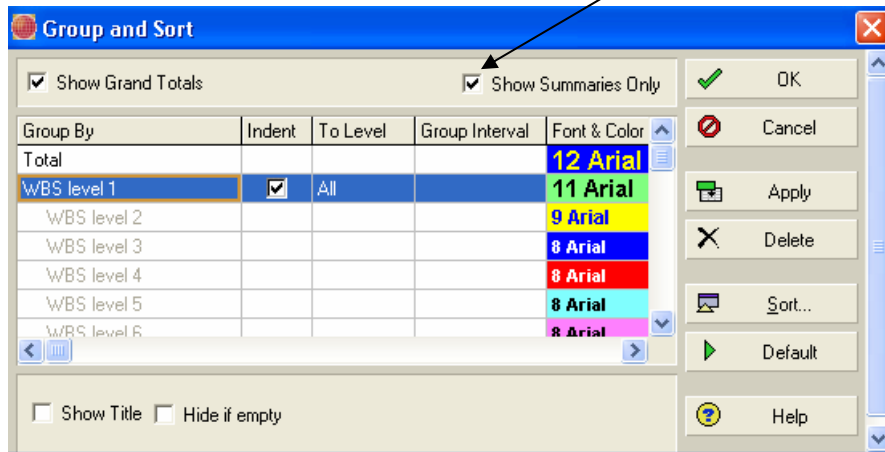
WBS



Group and Sort

View

Show Summaries Only

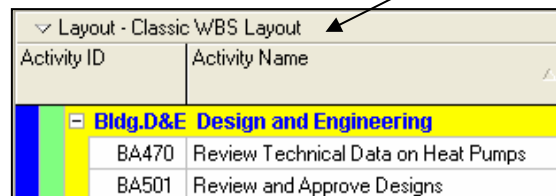


:

Activity ID	Activity Name	Original Duration	Remaining Duration
<b>Total</b>		1122d	22
<b>Bldg Office Building Addition</b>		1122d	22
Bldg.D&E	Design and Engineering	915d	1
Bldg.Foundation	Foundation	928d	6
Bldg.Structure	Structure	59d	5
<b>Bldg.Mechanicals</b>	<b>Mechanical/Electrical Sys...</b>	205d	20
Bldg.Mechanicals.Lifts	Elevator	59d	5
Bldg.Mechanicals.HVAC	HVAC	205d	20

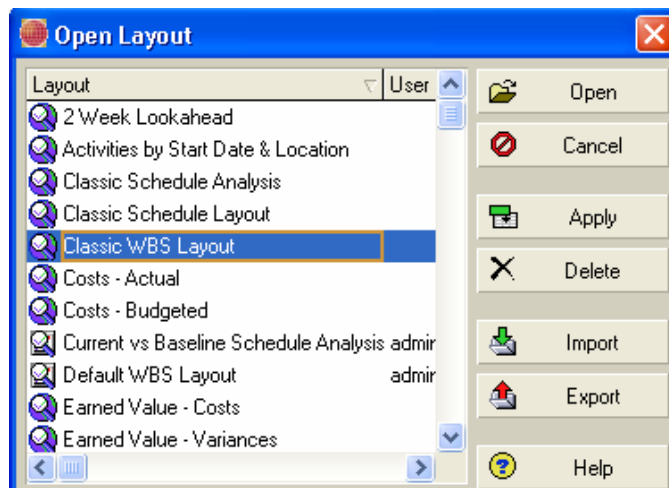
Layouts ..

Layout  
Bar Chart  
PERT  
Layout  
Filters  
Layout  
Open      Layout      View  
Layout      Open      Layout      Layout



Layout - Classic WBS Layout	
Activity ID	Activity Name
Bldg.D&E Design and Engineering	
BA470	Review Technical Data on Heat Pumps
BA501	Review and Approve Designs

:



Open                      Layout

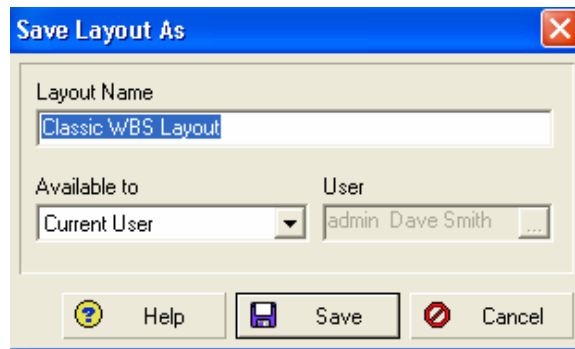
**Layout**

Layout                      Layout

Layout      View              Layout

Save as      Layout              Layout              Save As

:



Layout                      Layout Name

Layout                      Available to

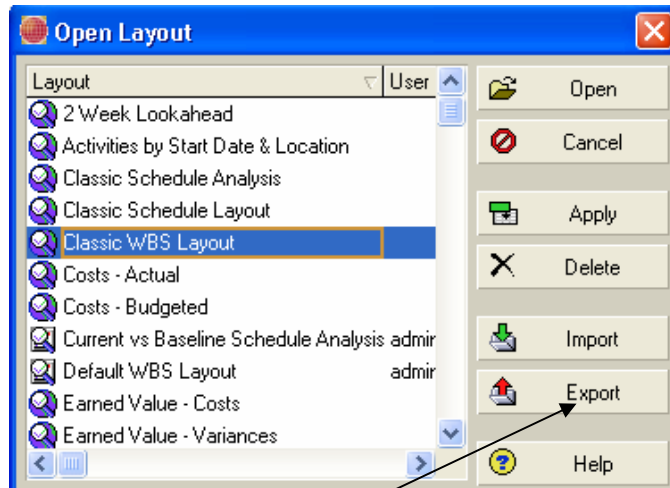
Save

**LAYOUTS**

Layout

Layout

Open      Layout      View      Layout



Export

Layout

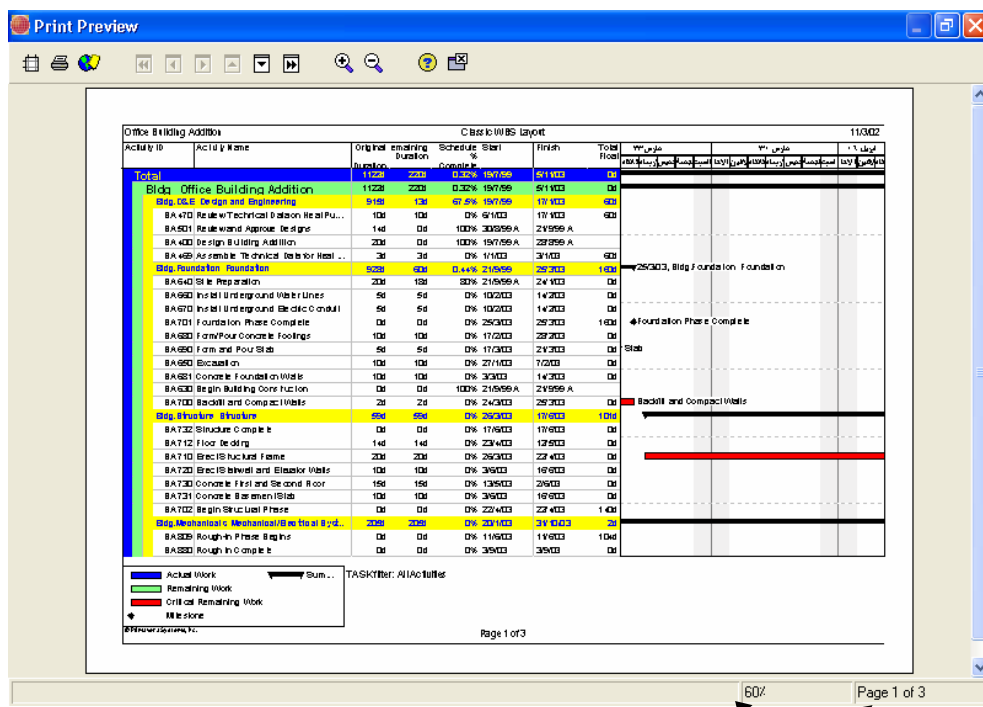
(.Plf)

Layout

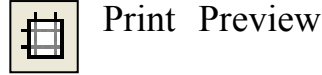
Layout

Import

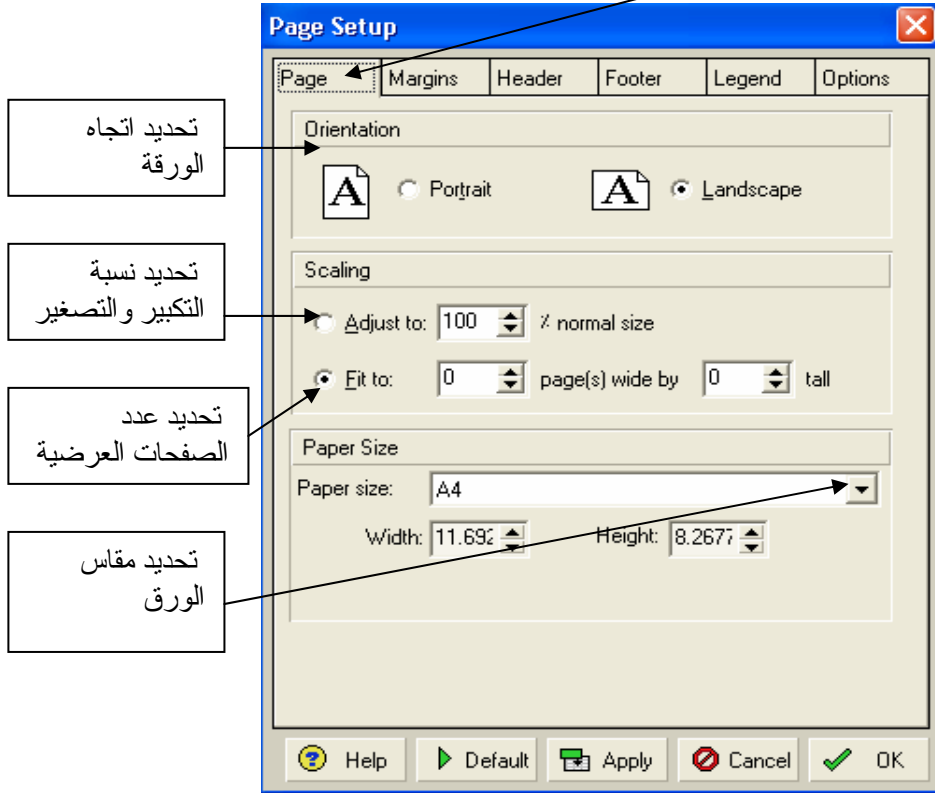
Layout  
Layout  
Layout  
Print Preview  
Layout  
File



Page Setup File

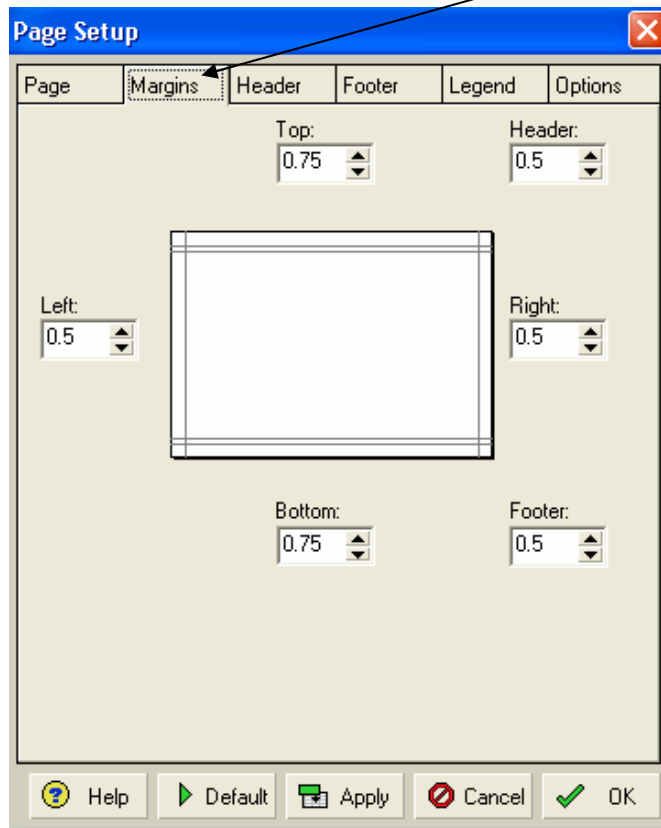


Page



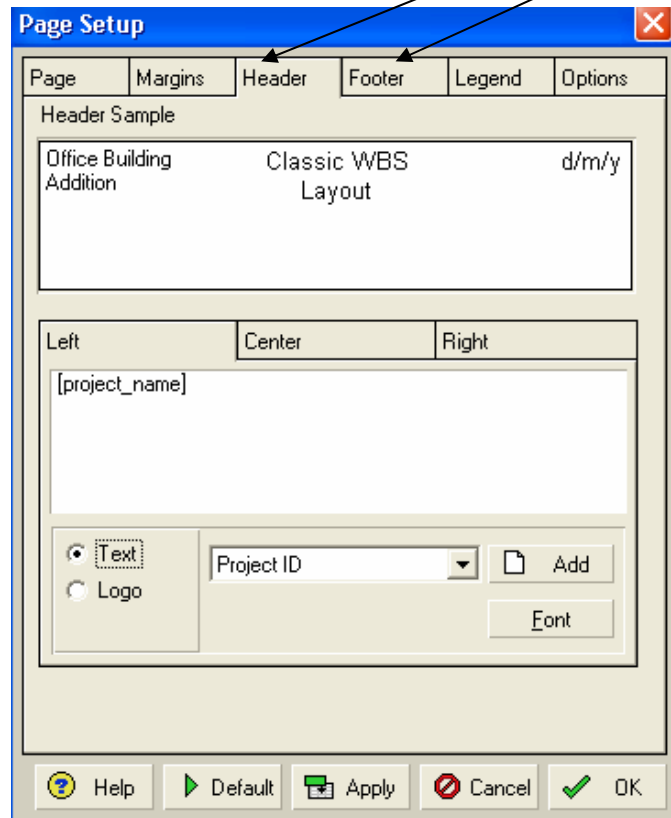
Margins

## Margins



## Header

### Header / Footer



( - - )

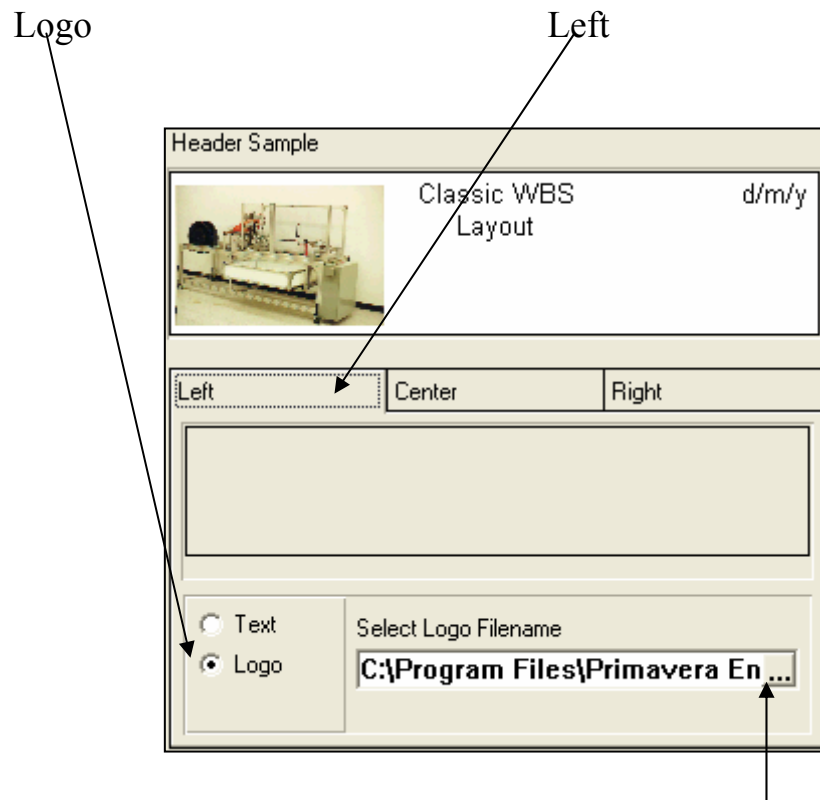
Left

(... - )

Add



## Logo



## Layout

:

Layout

Classic WBS Layout

Activity ID	Activity Name	Original Duration	Remaining Duration	Schedule Complete %	Start	Finish	Total Float	٣١ مارس	٣١ مارس	١٦ يونيو
<b>Total</b>		1128	220	0.32%	19/7/99	5/1/03	0			
Bldg. Office Building Addition		1128	220	0.32%	19/7/99	5/1/03	0			
Blg. PLE Design and Engineering		918	176	67.6%	19/7/99	10/1/03	571			

**Legend**

Page Margins Header Footer Legend Options

Legend Sample

TASK filter: All Activities

Left Center Right

Text  
 Logo

Add Font

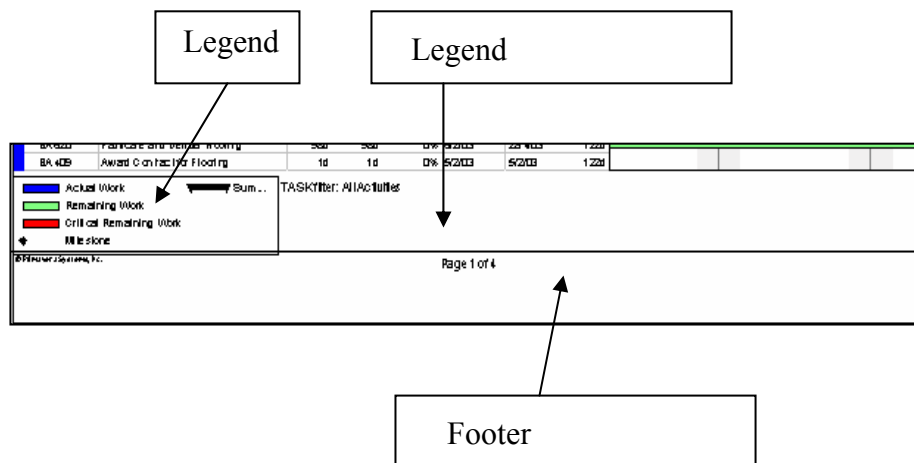
Show Legend:  First Page  Every Page  Never

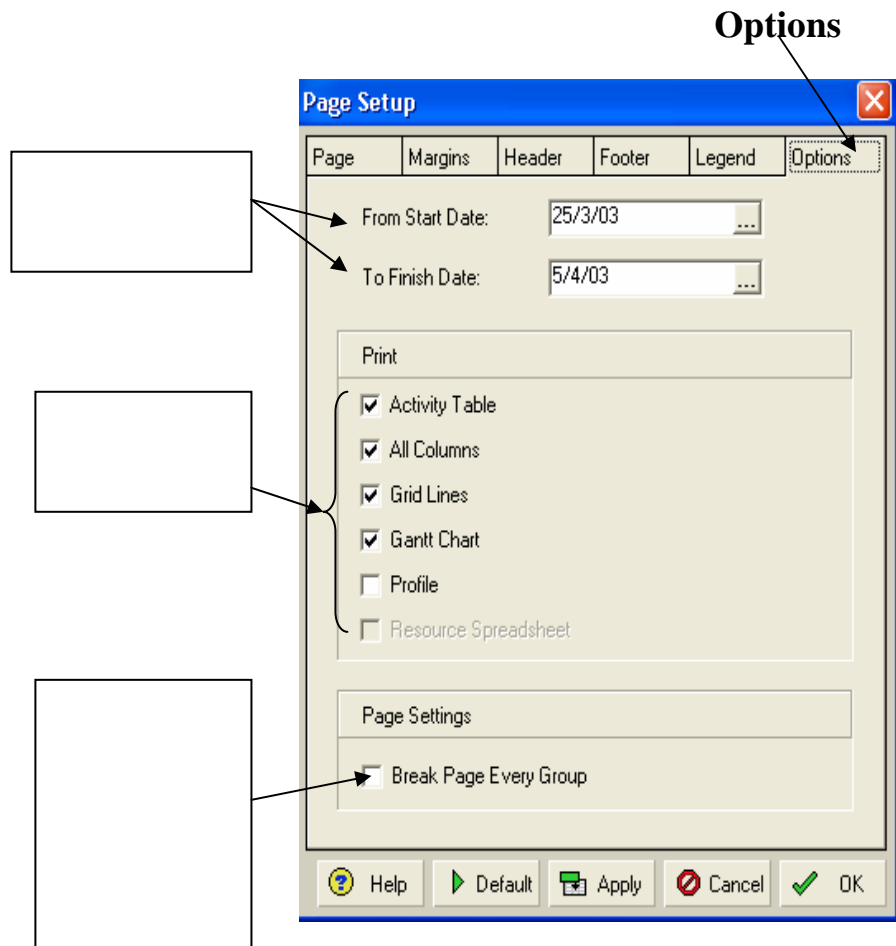
Header

Legend



: Footer Legend





File

Print Preview



.Print



# الموارد و التكلفة

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Resources Enterprise

The screenshot displays the 'Resources' window in Primavera Enterprise. At the top, there are navigation buttons: Back, Forward, Home, Dir, and Help. Below this is a dropdown menu set to 'Display: All Resources'. The main area contains a table with the following columns: Resource ID, Calculate costs from units, Uses Timesheets, Resource Name, and Primary Role. The table lists several resources, with 'MM - Crew' selected and highlighted in blue. Below the table is a tabbed interface with 'General' selected. The 'General' tab shows fields for Resource ID (MM - Crew), Resource Name (Mechanical Maint Global Crew), Employee ID, Title (Mechanical Maint Global Crew), E-Mail Address (tcole@hydracorp.nul), Office Phone (555-555-5678), and an 'Active' checkbox which is checked.

Resource ID	Calculate costs from units	Uses Timesheets	Resource Name	Primary Role
MECH C...	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mechanical Mainte...	
MM - ...	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mechanical Maint ...	Facilities
REF ...	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Refueling Crew	Nuclear Operations
MMBP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MM Bill Petacchi Cr...	
MMF...	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Piping / Fluids Han...	Facilities
MMFL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	MM Faso Lorde Crew	

General | Codes | Details | Units & Prices | Roles | Notes | Progress Reporter

Resource ID: MM - Crew      Resource Name: Mechanical Maint Global Crew

Employee ID:      Title: Mechanical Maint Global Crew

E-Mail Address: tcole@hydracorp.nul      Office Phone: 555-555-5678       Active

Add



Next

**General**

General Codes Details Units & Prices Roles Notes Progress Reporter

Resource ID: DS      Resource Name: Dave Smith

Employee ID: 480965      Title: Vice President of Generation

E-Mail Address: dsmith@hydracorp.nul      Office Phone: 555-555-7876       Active

ID

E-Mail

**Codes**

General Codes Details Units & Prices Roles Notes Progress Reporter

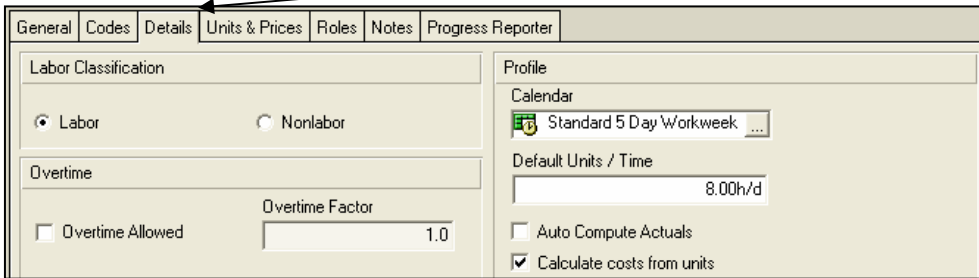
Resource Code	Code Value	Code Description
---------------	------------	------------------

Assign Remove

Assign

Resource Code      Enterprise

**Details**



Labor

Nonlabor

Overtime

Overtime Factor

Overtime Factor x =

Calendar

Default Unit/time

8

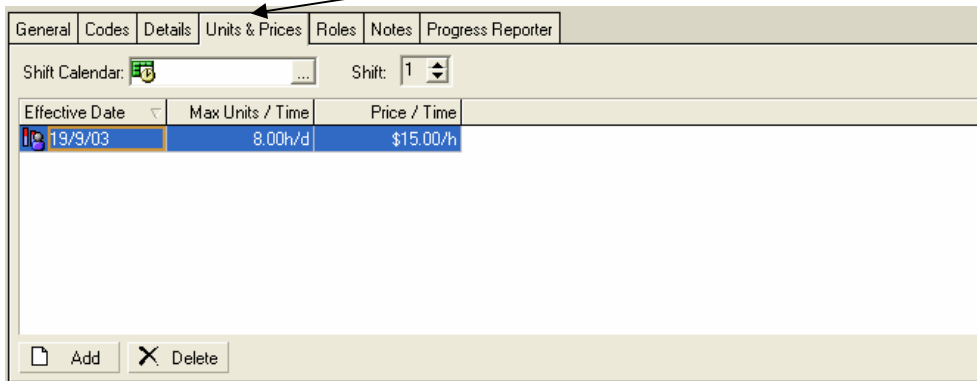
Auto Compute Actuals

Progress reporter

---

Calculate Cost from Units

**Units & Prices**



Add

Primavera

**Role**

Role ID	Role Name	Proficiency	Primary Role
Engineering.AE	Applications Engineering	3 - Skilled	<input checked="" type="checkbox"/>

Assign Remove

assign

Role

Role

Roles

Roles

**Notes**

**Progress Reporter:**

Progress Reporter

Timesheet

Timesheet

## Roles

Roles

Role

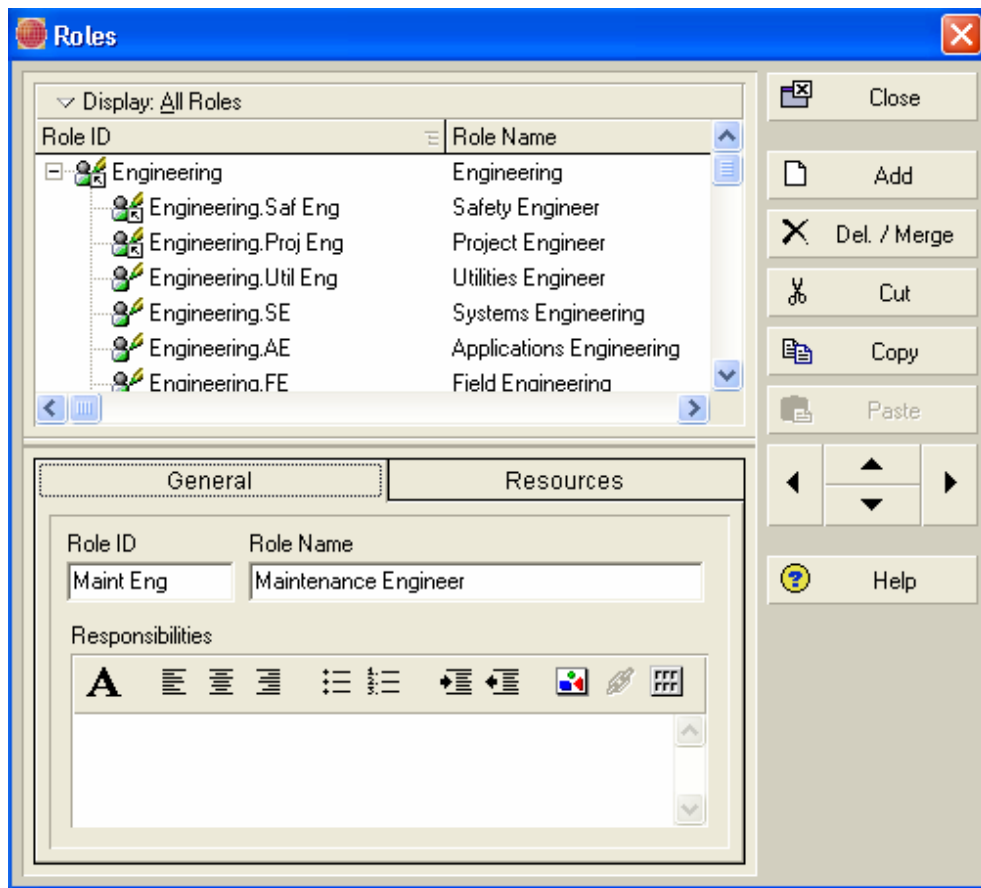
Roles

Roles

Roles

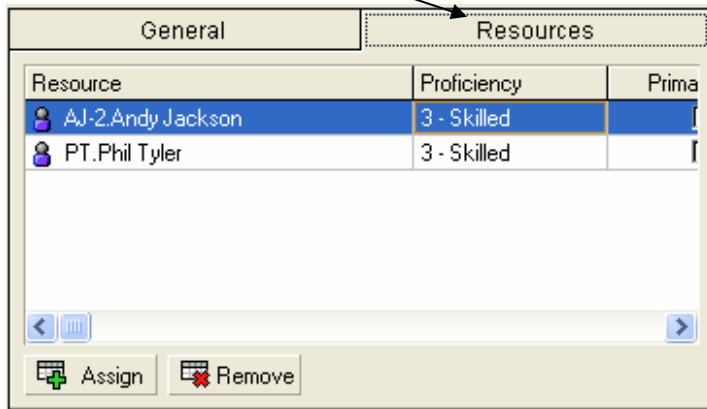
Enterprise

Roles



Role                      ID                      Add                      Role  
Role    Responsibilities

Resources                      Roles

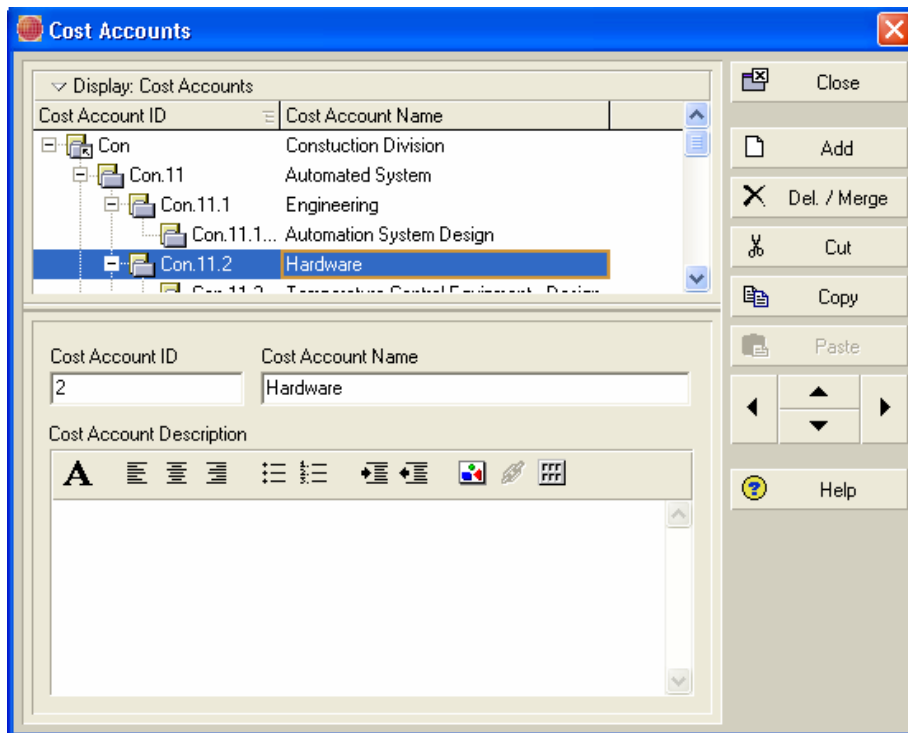


Proficiency                      Role    Assign

## Cost Account

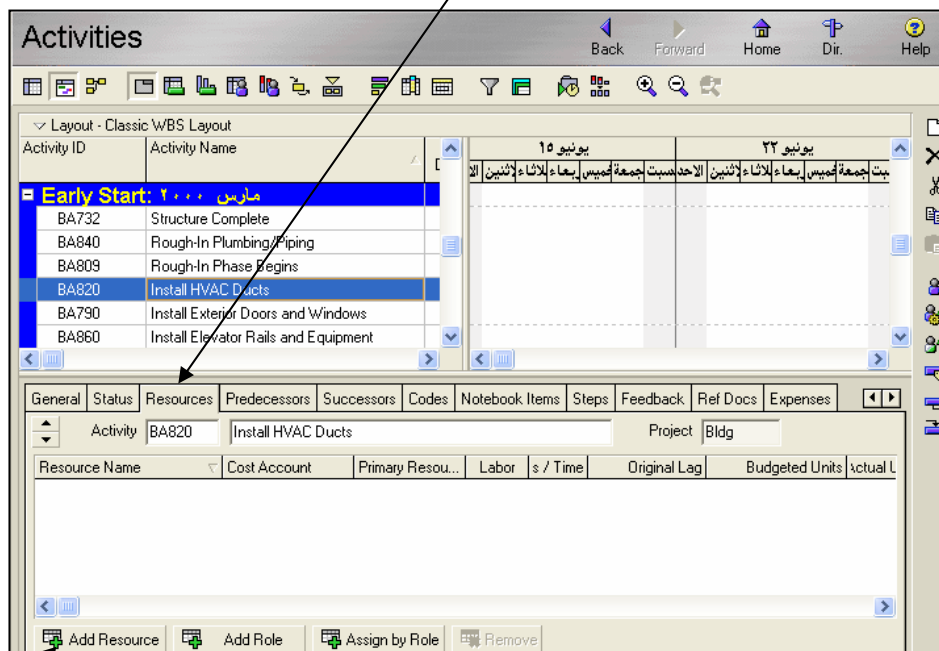
### Cost Breakdown Structure

Cost Account      Enterprise



## Resource allocation

Resources



Add Resource

Cost Account

Primary resource

Primary Resource

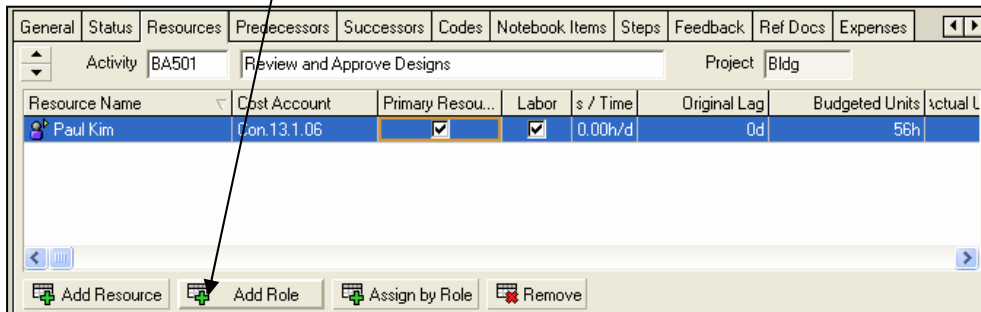
**Primary Resources**

Progress Reporter

**Roles**

Roles

Add Role



Roles

Roles

Roles

Roles

Assign by Role

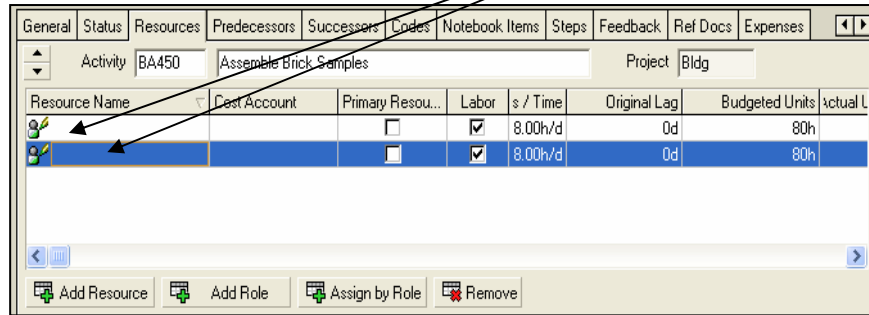
Roles

Role

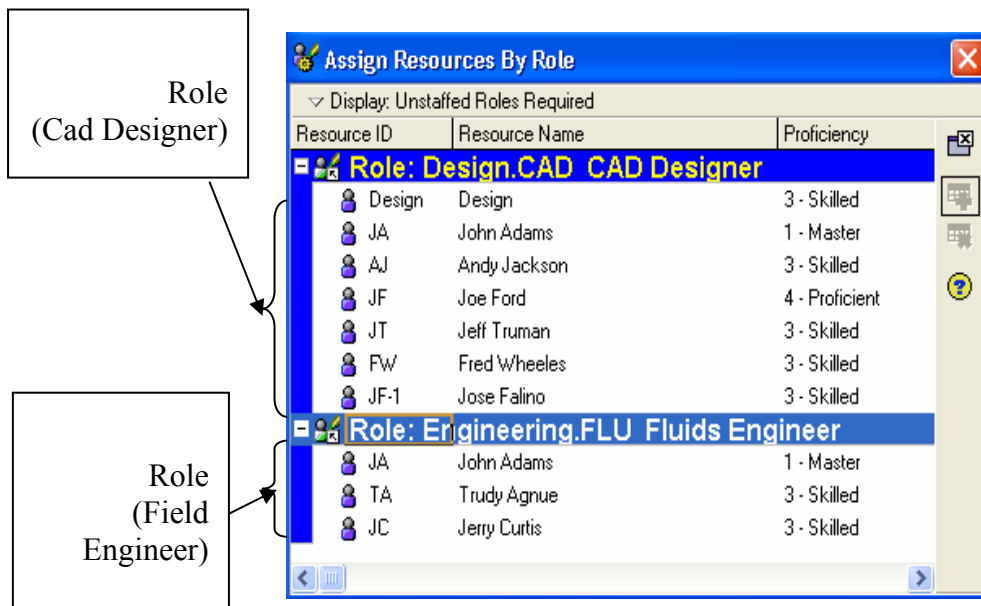
Role

:Roles

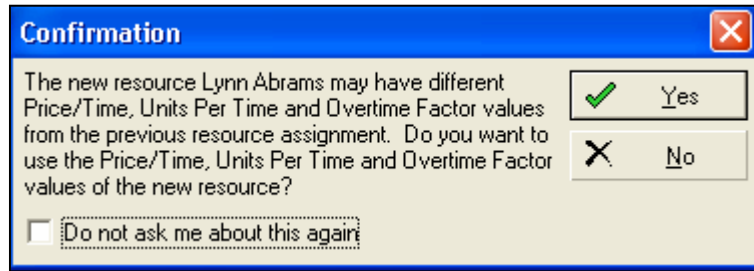
Field Engineer      Cad Designer      Roles      - 1



:      Assign by Role      - 2



assign      Role  
Role



## Roles

General	Status	Resources	Predecessors	Successors	Codes	Notebook Items	Steps	Feedback	Ref Docs	Expenses		
		Activity BA450	Assemble Brick Samples				Project	Bldg				
Resource Name	Cost Account	Primary Resou...	Labor	s / Time	Original Lag	Budgeted Units	Actual L					
John Adams		<input type="checkbox"/>	<input checked="" type="checkbox"/>	8.00h/d	0d	80h						
Lynn Abrams		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	8.00h/d	0d	80h						

Buttons: Add Resource, Add Role, Assign by Role, Remove

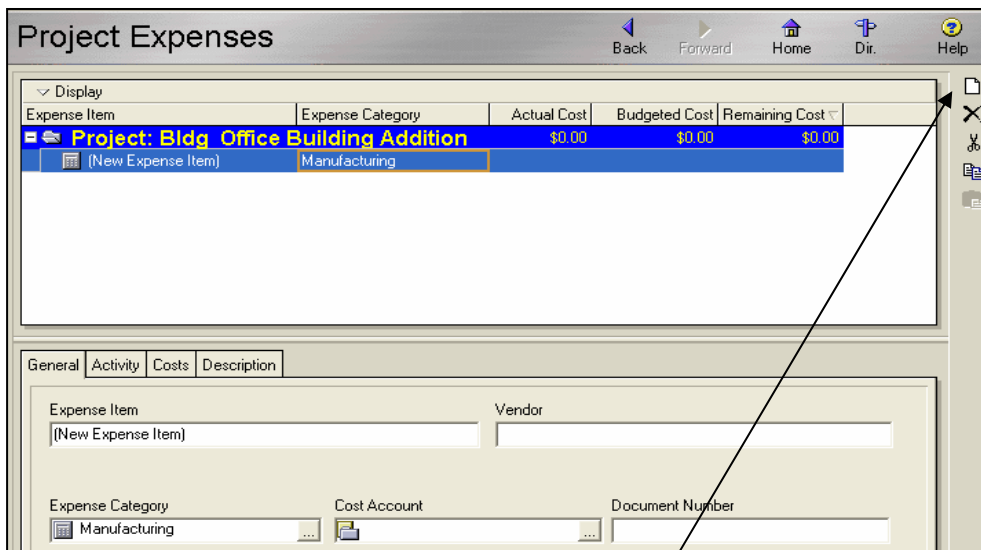
## Expenses

Expenses

Project

:

Expenses



Add Expense  
. Expense

## Expense

:

4

### Expense

### General

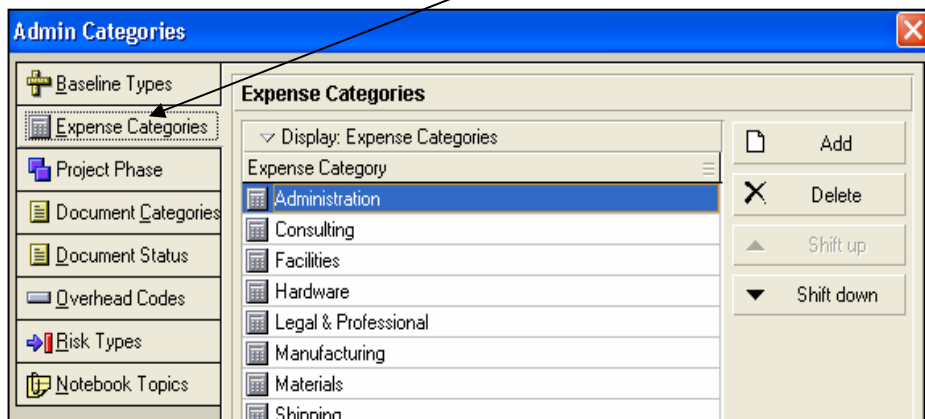
.(Expense Category ) Expense

Expense Category

Admin Categories

Admin

Expense Categories



### Expenses

Expense

Activity

General	Activity	Costs	Description
Activity Name BA680 Form/Pour Concrete Footings			
WBS Bldg.Foundation	Accrual Type Uniform over Activity	Activity Status Not Started	
Activity Start 11/11/99	<ul style="list-style-type: none"> <li>Start of Activity</li> <li>End of Activity</li> <li>Uniform over Activity</li> </ul>	Primary Resource Ironworker	

Expense

Accrual Type

Costs

General	Activity	Costs	Description
Budgeted Units	Actual Units	Remaining Units	At Completion Units
500.000	250.000	250.000	500.000
Price/Unit	Unit of Measure		
\$1.00			
Budgeted Cost	Actual Cost	Remaining Cost	At Completion Cost
\$500.00	\$250.00	\$250.00	\$500.00
Expense % Complete	<input checked="" type="checkbox"/> Auto Compute Actuals		
50%			

expense

Expense

Description

Expense

Expense

Expenses

The screenshot displays the Primavera software interface. At the top, a Gantt chart shows activity durations for BA950 (0d), BA911 (5d), BA970 (0d), BA630 (0d), and BA450 (10d). The activity BA450, 'Assemble Brick Samples', is selected. Below the Gantt chart, the 'Expenses' tab is active, showing a table with columns: Expense Item, Cost Account, Expense Category, Accrual Type, Budgeted Cost, Actual Cost, and Remainir. The 'Add' button is highlighted with an arrow pointing to the word 'expense' below it.

expense

Add

expense

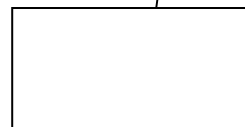
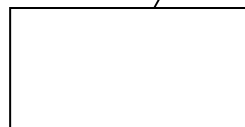
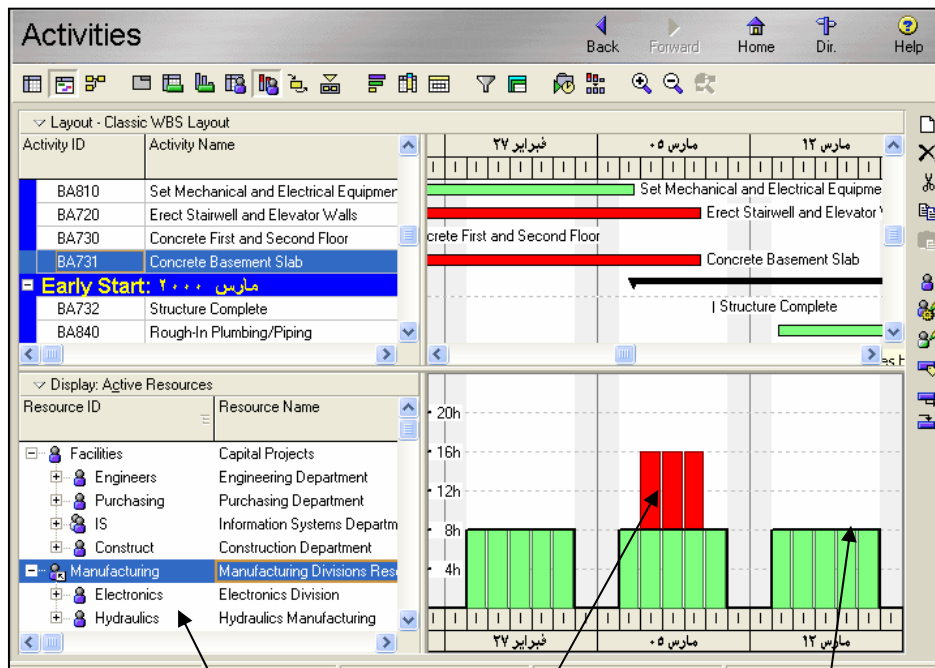
## Resource/Cost Usage Profile /

View

resource usage profile

Show in Bottom

Layout

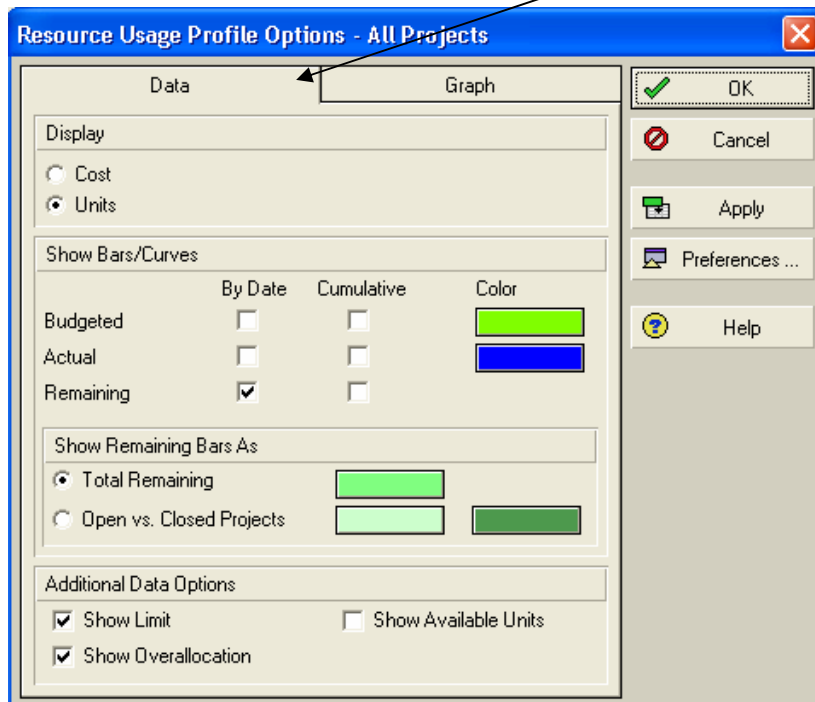


## Resource Usage Profile

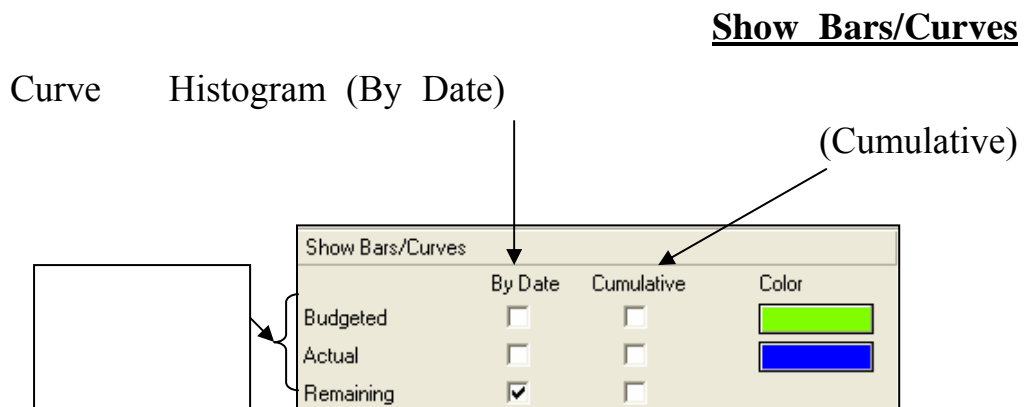
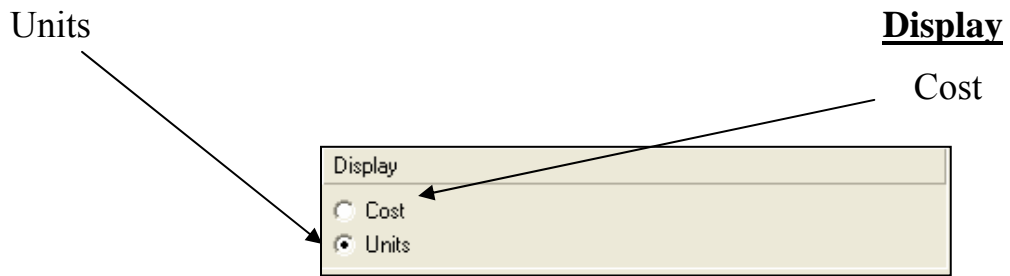
Resource Usage profile

Bottom Layout Option      View  
Resource Usage Profile Option

**Data      -1**



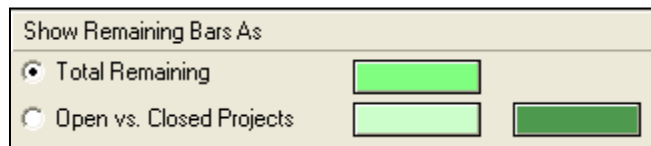
:



/

( )

**Show Remaining Bars As**



### Additional Data Option

Additional Data Options

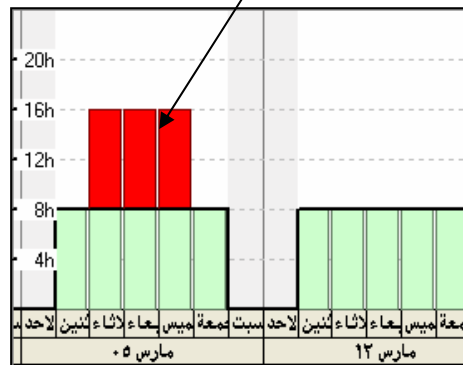
Show Limit       Show Available Units

Show Overallocation

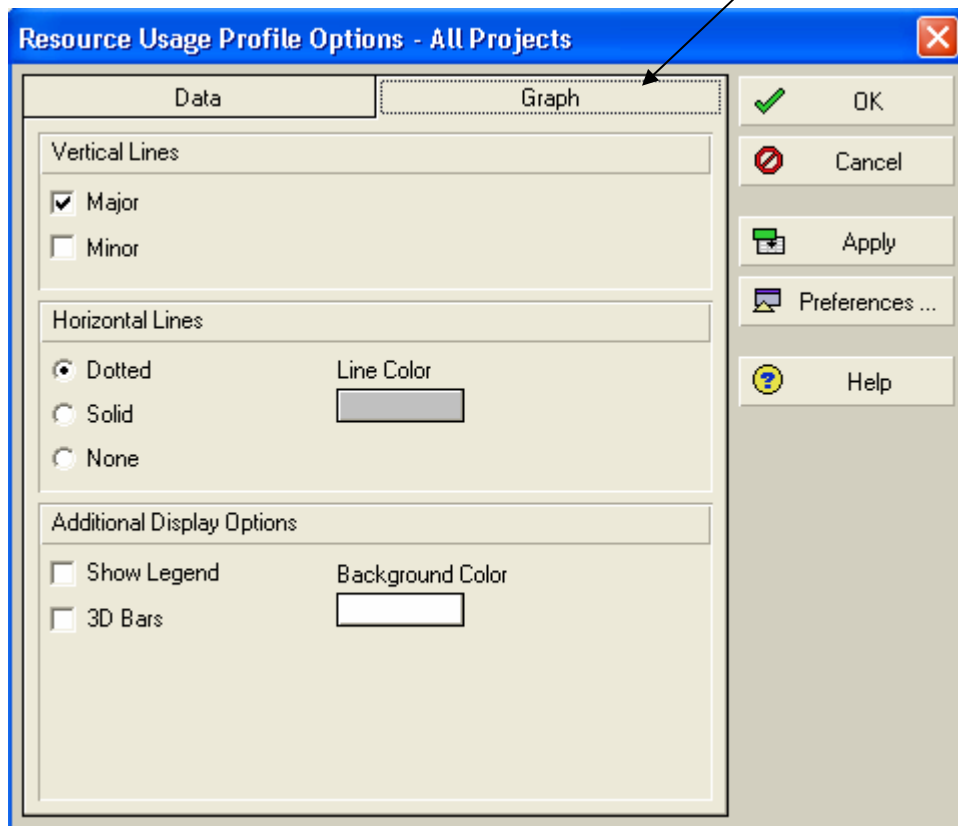
**Show Limit**

**Show Available Units**

**Show Overallocation**



**Graph** -2



Bars

### **Resource Usage Profile**

---

Primavera

---

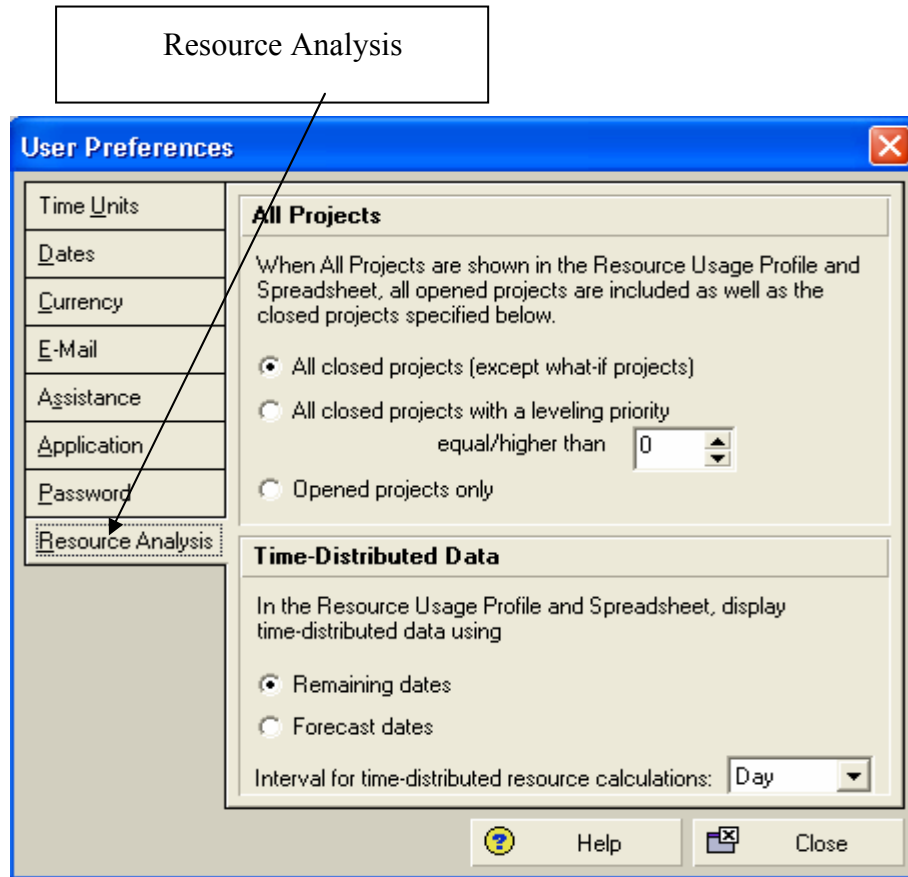
Edit

Preferences

Resource Analysis

User Preferences

:



### All Projects

-1

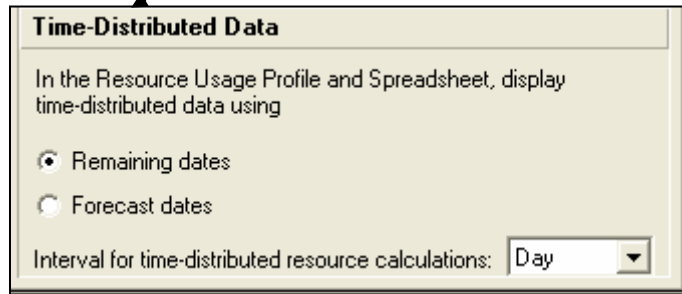
:

All Closed Project Except What If Projects -1

.(What If)



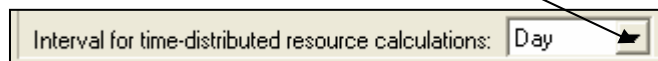
### Time Distributed Data



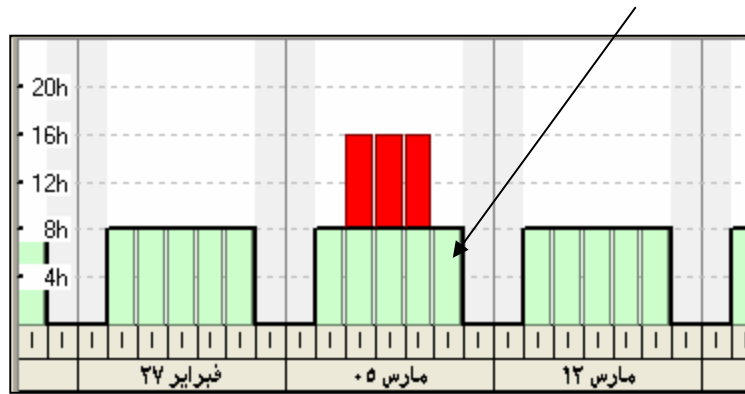
Remaining Dates

Forecast Dates

Tracking Portfolio Analyst



:



التاريخ

Day of 07 مارس الثلاثاء		
Bar	Total	Cumulat...
Remaining Units from Closed Projects	0h	0h
Remaining Units from Open Projects	16h	72h
Limit	8h	0h
Overallocated Units	8h	72h

**Resource/Cost Usage Spreadsheet /**

/

Show in bottom layout

View Resource Usage Spreadsheet



Activities

Layout - Classic WBS Layout

Activity ID	Activity Name	فبراير ٢٧					مارس ٠٥			
		الاحد	الاثنين	الثلاثاء	الاربعاء	الجمعة	الاحد	الاثنين	الثلاثاء	الاربعاء
BA820	Install HVAC Ducts									
BA731	Concrete Basement Slab									

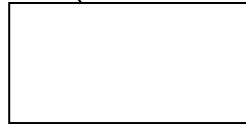
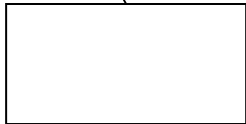
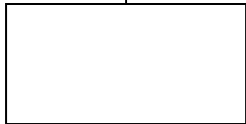
  

Display: Current Projects

Resource ID	Activity ID	Start	Remaining Units	فبراير ٢٧					مارس ٠٥				
				الاحد	الاثنين	الثلاثاء	الاربعاء	الجمعة	الاحد	الاثنين	الثلاثاء	الاربعاء	الجمعة
Manu...	Manu...	25/2/00		8h	8h	8h	8h	8h	8h	16h	16h	16h	
BA820	BA820	7/3/00							8h	8h	8h	8h	
BA731	BA731	25/2/00		8h	8h	8h	8h	8h	8h	8h	8h	8h	

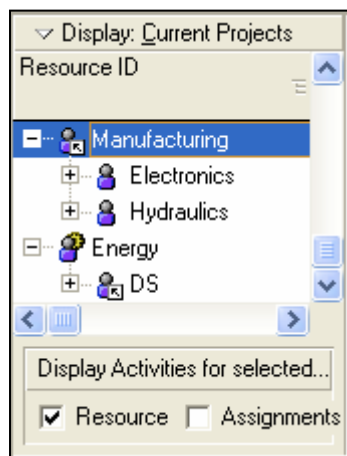
Display: All Projects

Display Activities for selected...  
 Resource  Assignments



:

:



•

Shift

Ctrl

All Display

•

Projects

By Select View Display

•

Role

Role

Filter

•

Display Activities for selected

Resources  
Assignment

Group and Sort By    Display

:

Display: All Projects			فبراير ٢٧					
Activity ID	Start	Finish	Remaining Units	الاثنين	الثلاثاء	الأربعاء	الخميس	الجمعة
Manu...	25/2/00	20/3/00		8h	8h	8h		
BA820	7/3/00	20/3/00						
BA731	25/2/00	9/3/00		8h	8h	8h	8h	8h

Columns    Display

Filter By    Display

filter

Group & Sort By    Display

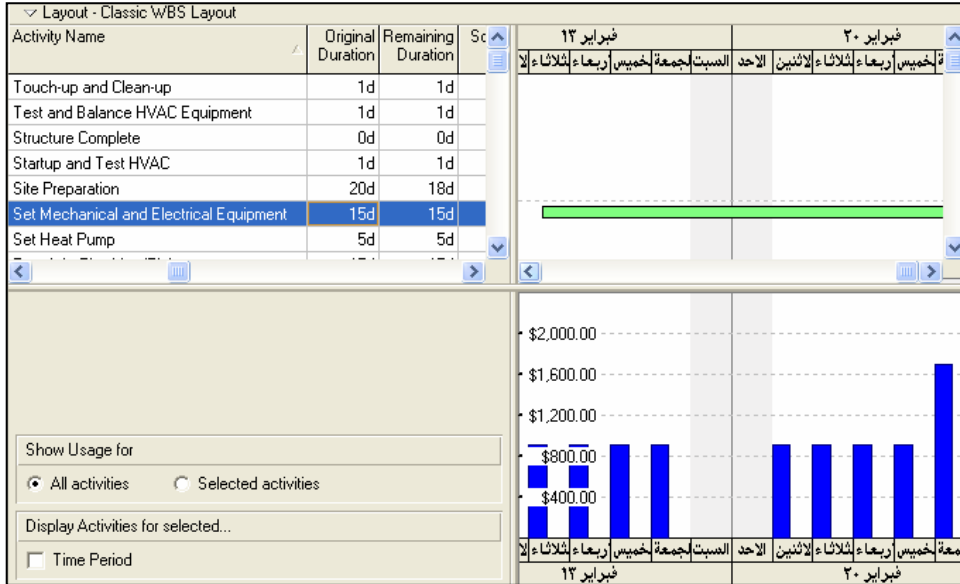
:

Spreadsheet fields

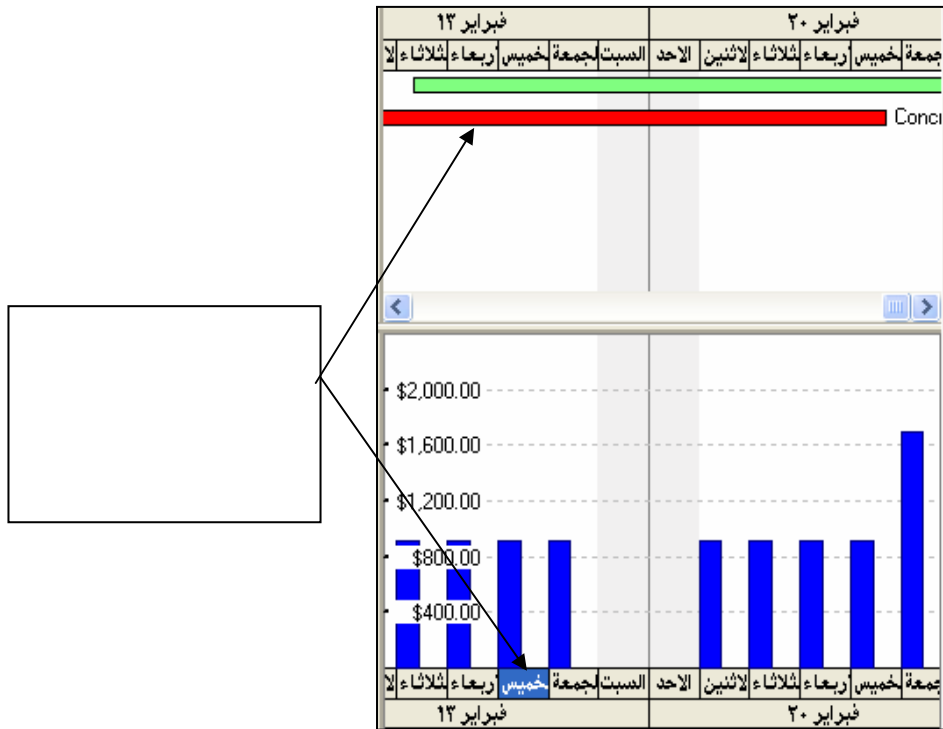
## Activity Usage Profile /

Show in Bottom  
Layout View

Activity Usage Profile



- Show Usage for Filter •
- Time Period Filter •
- Display Activities for selected



Resource

Activity Usage Profile Options

Usage Profile

## Activity Usage Spreadsheet

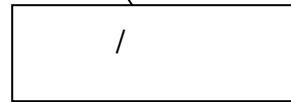
Show on Bottom View  
Layout Activity Usage Spreadsheet



Layout - Classic WBS Layout			10 أكتوبر		17 أكتوبر	
Activity ID	Activity Name	Orig Dure	المسبت الجمعة خميس	الأحد	الاثنين	الثلاثاء
BA960	Punch List					
BA411	Prepare and Solicit Bids for Heat Pump					
BA407	Prepare and Solicit Bids for Flooring					
BA421	Prepare and Solicit Bids for Brick Exterior					
BA930	Paint Building Interior					
BA780	Insulation and Built-up Roofing					
BA830	Insulate Ducts					

Remaining Labor Units			10 أكتوبر		17 أكتوبر	
Activity ID	Activity Name	Orig Dure	المسبت الجمعة خميس	الأحد	الاثنين	الثلاثاء
BA880	Rough In Complete					
BA470	Review Technical Data on Heat Pumps		8h			
BA412	Review Bids for Heat Pump				8h	8h
BA408	Review Bids for Flooring					
BA422	Review Bids for Brick					
BA560	Review and Approve Flooring		8h	8h	8h	8h
BA530	Review and Approve Brick Samples					
BA960	Punch List					
BA411	Prepare and Solicit Bids for Heat Pump		8h	8h	8h	



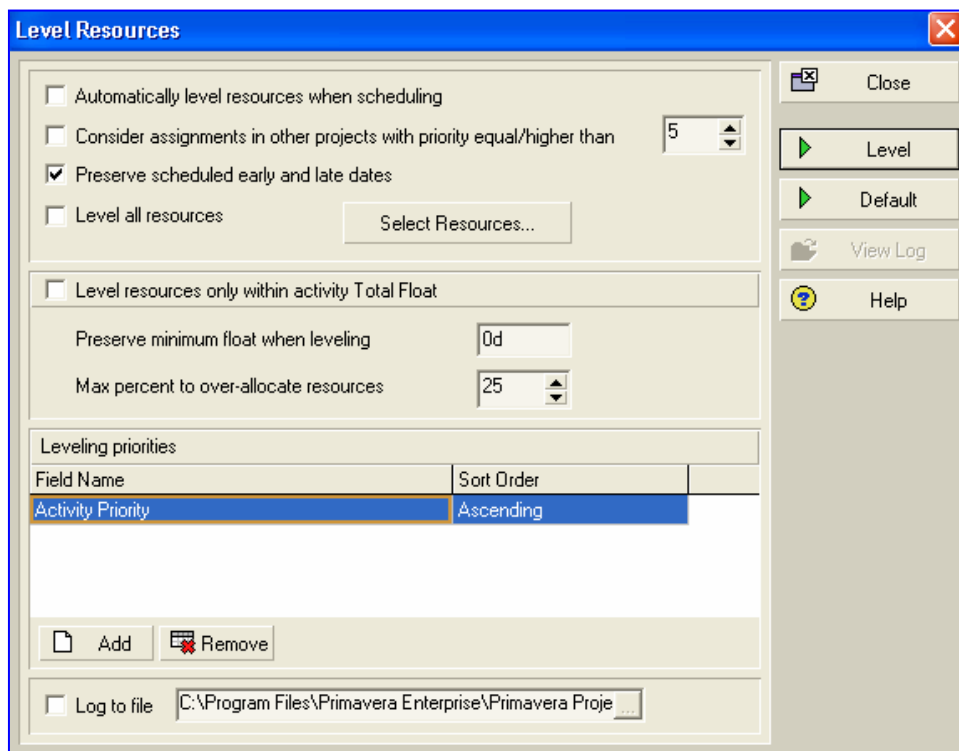
Spreadsheet fields

## Resource leveling



Level Resources

Tools



Level Resources

:

**Automatically Level Resources when Scheduling**

**Consider Assignments in Other Projects with Priority  
Equal/Higher Than**

(Leveling Priority)

Projects      Enterprise  
                            General

The screenshot shows a software window with a tabbed interface. The 'General' tab is active. Fields include: Project ID (NEWPROJ), Project Name ((New Project)), Status (Active), Responsible Manager (Hydra Corporation), Risk Level (Medium), Leveling Priority (10), Check-out Status (Checked In), and Project Website URL. A 'Launch...' button is also present. An arrow points from the 'Leveling Priority' field to the text 'Leveling Priority' below the screenshot.

Leveling Priority

Priority            1            100-1

### Preserve Scheduled Early and Late Dates

Leveling

:

The screenshot shows the 'Activities' window in Primavera. At the top, there are two 'Leveling' buttons. Below them is a table with the following data:

Activity ID	Activity Name	Early Start	Early Finish	Remaining Start	Remaining Finish
A1020	RC	18/3/03	31/3/03	18/3/03	31/3/03
A1000	Masonry	26/3/03	8/4/03	1/4/03	14/4/03
A1010	Finishing	3/4/03	16/4/03	15/4/03	28/4/03

### Level All Resources

Select Resources

The screenshot shows a dialog box with a checkbox labeled 'Level all resources' and a button labeled 'Select Resources...'. An arrow points from the text 'Select Resources' above to the button.

<input type="checkbox"/> Level resources only within activity Total Float	
Preserve minimum float when leveling	<input type="text" value="0d"/>
Max percent to over-allocate resources	<input type="text" value="25"/>

Leveling

Total Float

Max Percentage to over allocate resources

### Leveling Priorities

---

Leveling

Resource Leveling

Priorities

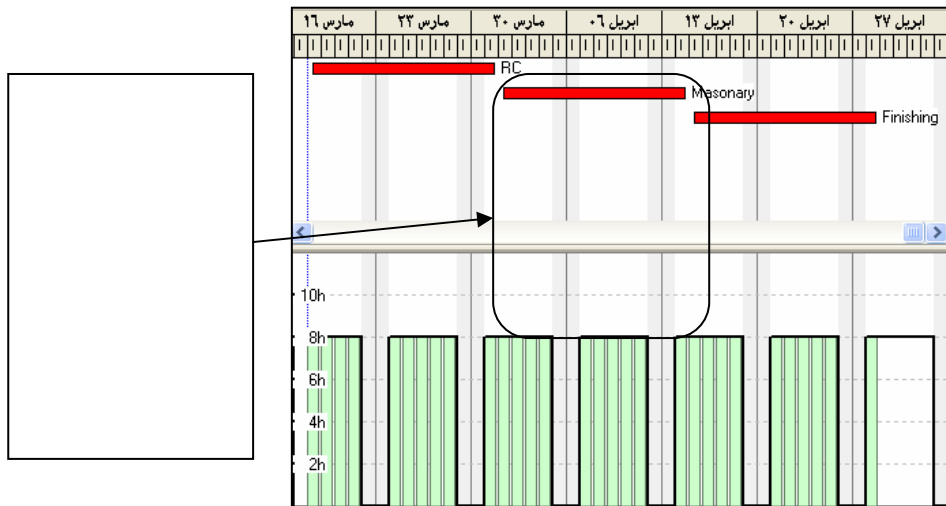
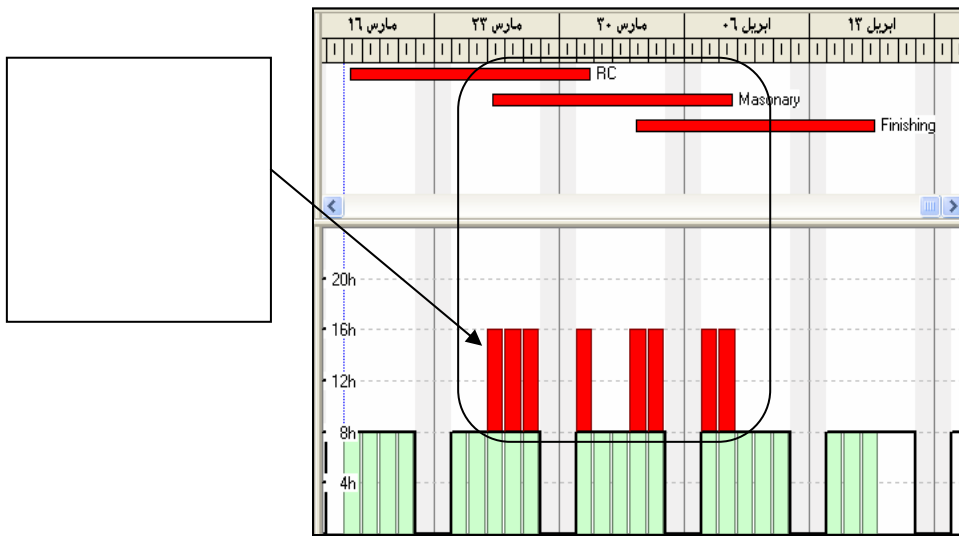
Leveling priorities	
Field Name	Sort Order
Activity Priority	Ascending

Add

# Primavera

:

:





# تحديث بيانات المشروعات

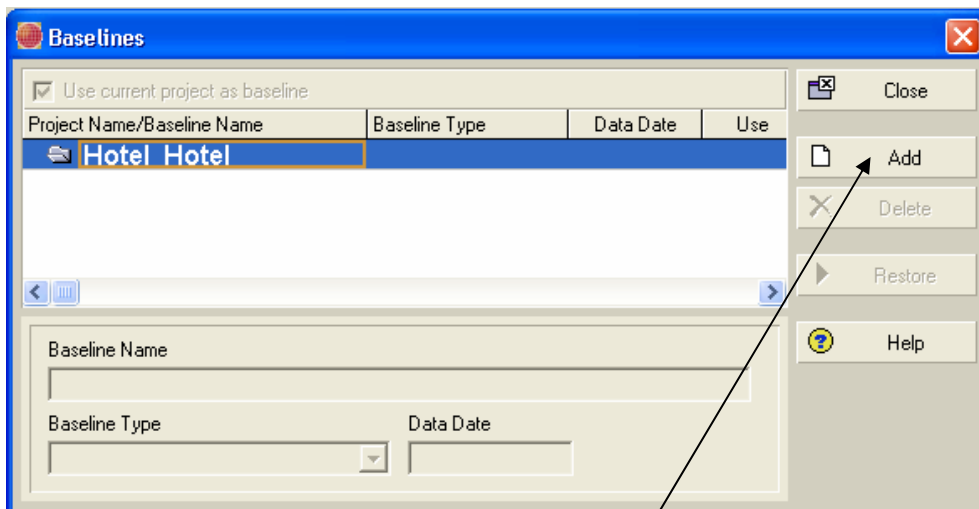
---

Updating

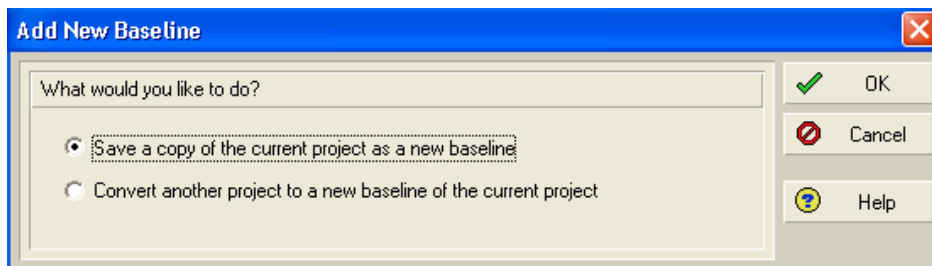
Baselines

.Baselines

: Baseline Project Baseline



: Add Baseline

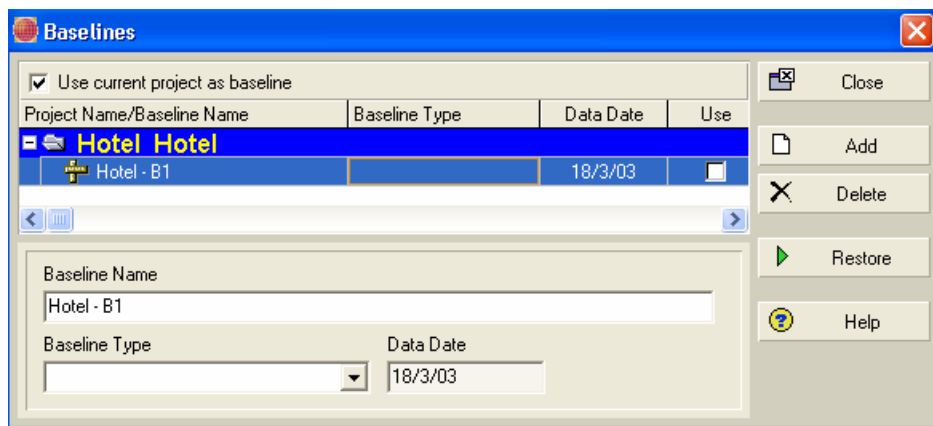


:

-1

-2

### Baseline



Baseline type •

Use Base line •

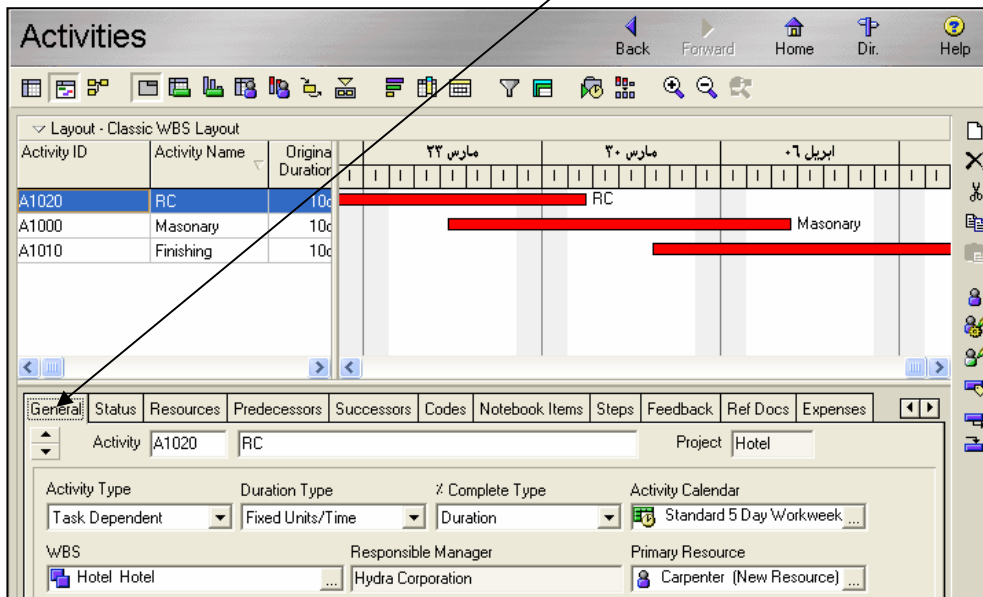
Use Current project as baseline •

Restore •

Restore Baseline •

Data Date

General



:

% Complete Type

Duration

Remaining Duration

$$\text{Duration \%} = \left\{ \frac{(\text{Original Duration} - \text{Remaining Duration})}{\text{Original Duration}} \right\} \times 100$$

**Unit**

:

$$\text{Unit \%} = \left( \frac{\text{Actual Units}}{\text{At Completion Units}} \right) \times 100$$

**Physical**

**Duration**

Status

Remaining

Started

x

(Unit/Time)

**Unit**

**Resources**

Remaining Units / Time	Original Lag	Budgeted Units	Actual Regular Units	Actual Units	Remaining Units	Actual Cost
8.00h/d	0d	40h	0h	0h	20h	\$0.00
8.00h/d	0d	40h	0h	0h	20h	\$0.00

General	Status	Resources	Predecessors	Successors	Codes	Notebook Items	Steps	Feedback	Ref Docs	Expenses
Activity	A1020	RC					Project Hotel			
Duration	Original 5d	Actual 0d	Remaining 2d	At Complete 2d	Status	<input checked="" type="checkbox"/> Started 18/3/03 Units % 37.5% <input type="checkbox"/> Finished 19/3/03 Exp Finish ...	Free Float 0d	Total Float 0d	Constraint	Labor Units Budgeted 80h Actual 15h Remaining 25h At Complete 40h

Units

:

Fixed unit / Time

Dependent

**Physical**

Data Date

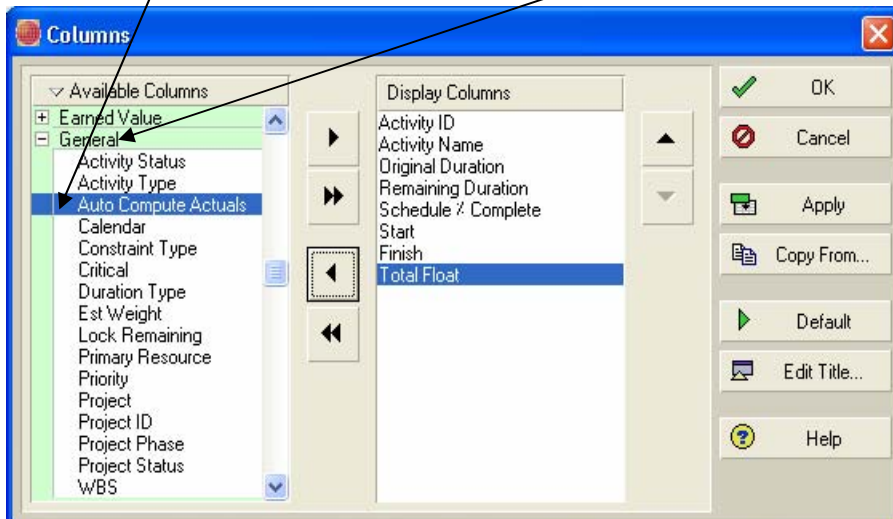
**Auto Compute Actual**

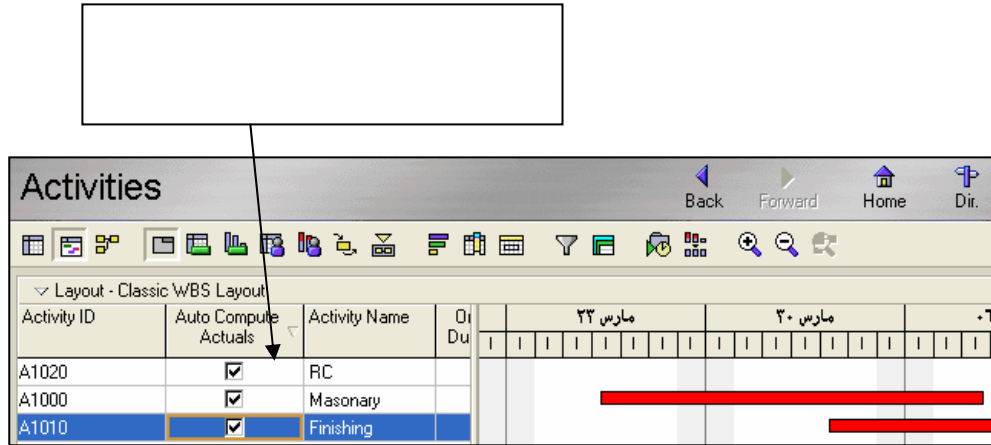
View

Auto Compute Actuals

General

Columns

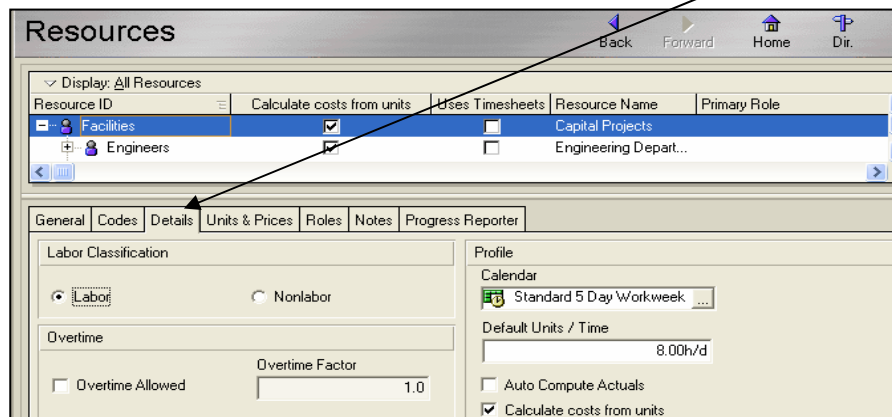




### Auto Compute Actuals by Resource

Resources Enterprise

Details



---

Auto Compute Actuals

Auto Compute Actuals

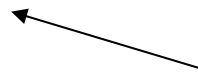
.Apply Actuals      Tools

**Applying Actuals**

Applying Actuals

Data Date

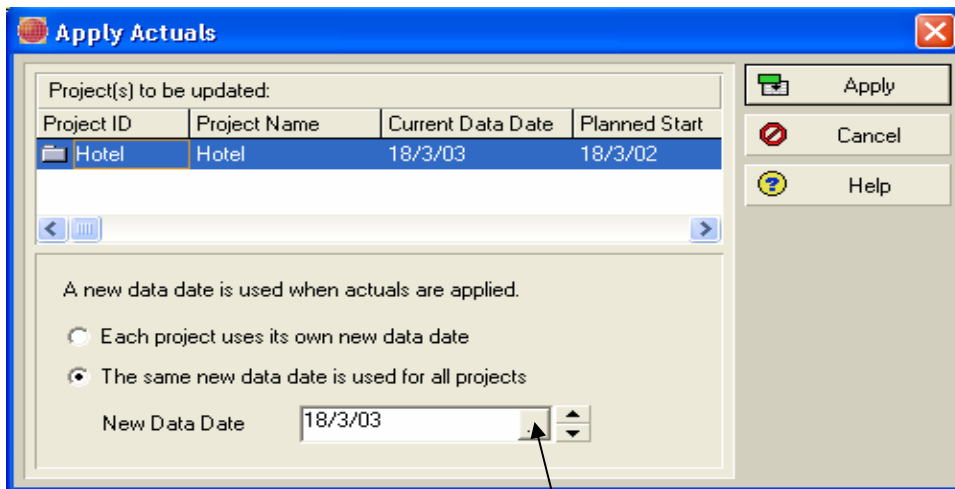
Data Date



Applying Actuals

Tools

Applying Actual



Data Date



:

**Technique for computing performance percent complete**

Activity percent complete       50/50

WBS Milestones percent complete       Custom percent complete

0/100

: Performance percent complete

**Activity percent complete •**

%50

**50/50 •**

.%100

(Performance percent complete)

**0/100 •**

.%100

**Custom percent complete •**

(Performance percent complete)

.%100

**WBS Milestones percent complete •**

WBS

WBS Milestone

**BCWS -3**

Data Date

Baseline

**Cost Variance -4**

$$\text{Cost Variance (CV)} = \text{BCWP} - \text{ACWP}$$

**Cost Index -5**

$$\text{Cost Index (CI)} = \text{BCWP} / \text{ACWP}$$

**Schedule Variance -6**

$$\text{Schedule Variance (SV)} = \text{BCWP} - \text{BCWS}$$

**Schedule Index -7**

$$\text{Schedule Index (SI)} = \text{BCWP} / \text{BCWS}$$

**Estimated To Complete Cost (ETC) -8**

Data Date

Admin Preferences

Admin

Earned Value

: (Technique for computing ETC)

Technique for computing ETC	
<input type="radio"/>	ETC = remaining cost for activity.
or	
ETC = PF * (BAC - BCWP), where:	
<input type="radio"/>	PF = 1
<input type="radio"/>	PF = 1/(CPI * SPI)
<input type="radio"/>	PF = 1/CPI
<input checked="" type="radio"/>	PF = <input type="text" value="1.50"/>

: ETC

$$\text{ETC} = \text{PF} \times (\text{BAC} - \text{BCWP})$$

Performance Factor PF

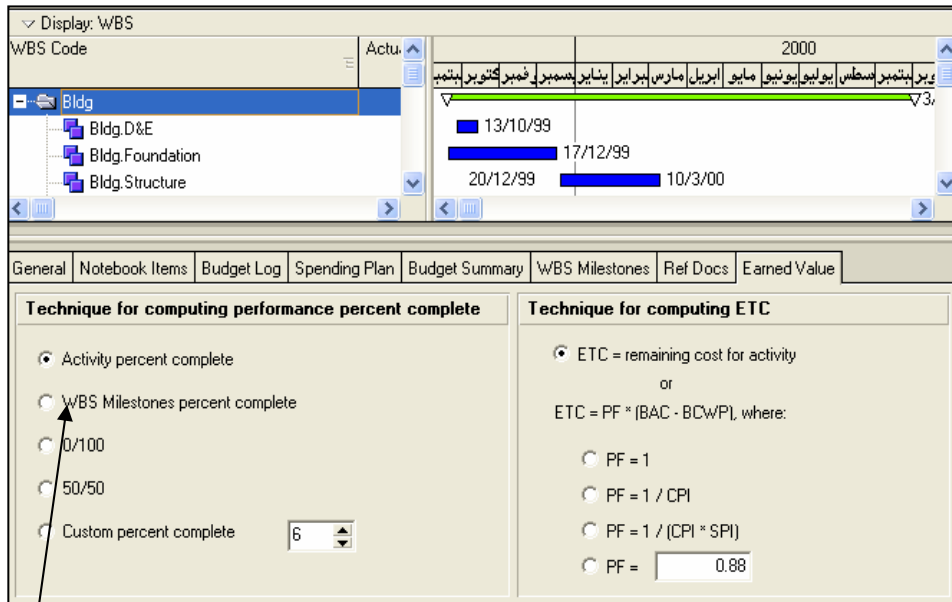
Budget At Completion

BAC

**WBS**

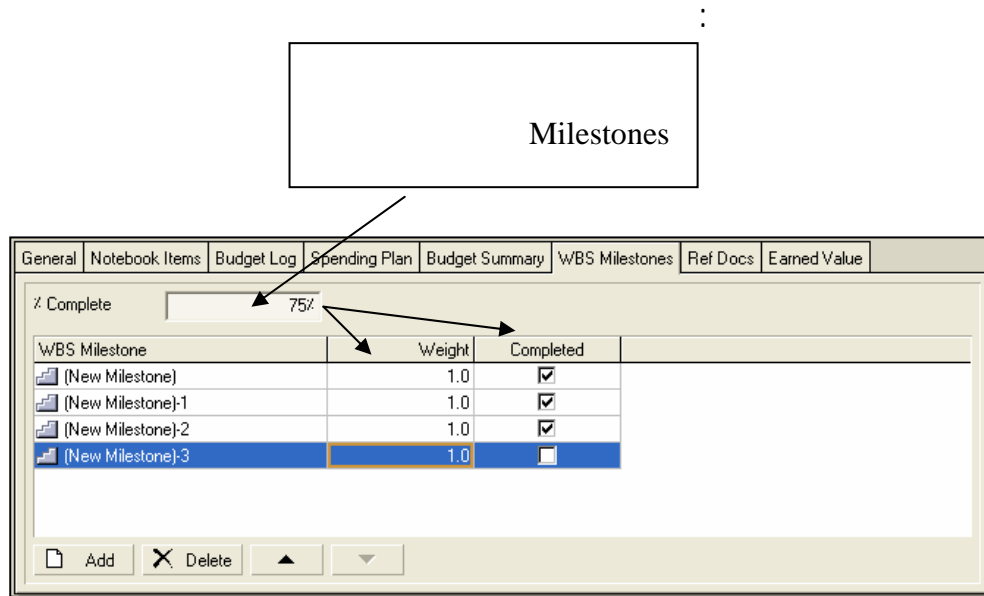
.WBS

WBS      Project      WBS  
 Earned Value



(Performance percent complete)

WBS Milestones      WBS      Milestone  
 Milestones



Weight Add Milestone  
 Milestone Milestone  
 Complete Milestone  
 . Milestones WBS

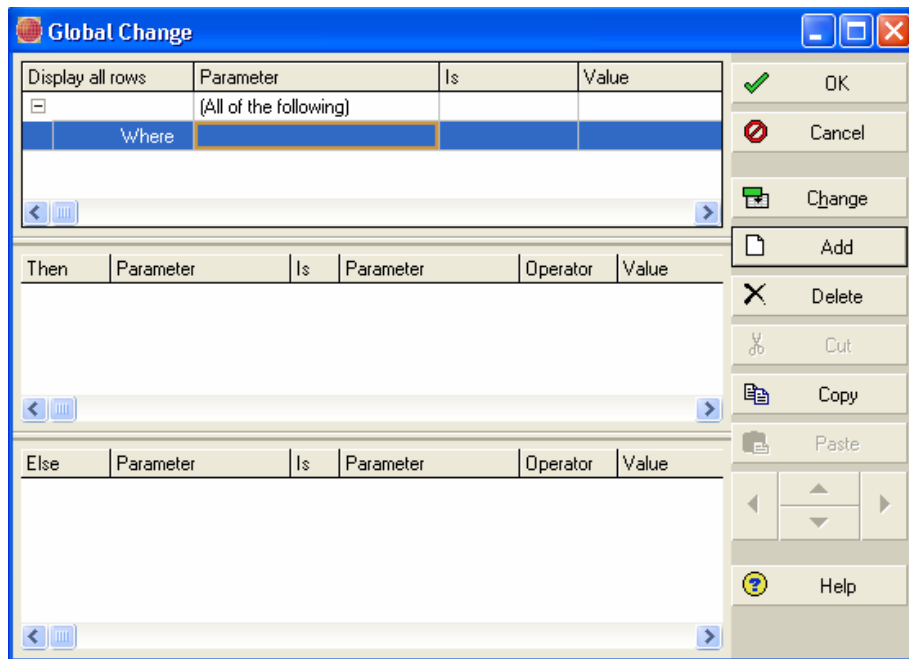


# أدوات المشروعات

---

## Global Changes

### Global Change Tools



### Filter

:

Display all rows	Parameter	Is	Value
[-]	(All of the following)		
[-]	Where		
	Wh...	Early Start	> 1/1/03

**(Then)**

Then	Parameter	Is	Parameter	Operator	Value
	Responsibility	=			Alaa

Parameter

Is ( Responsibility )

= ( < , > , =... )

Value

**(Else)** :

Filter

Change Global Change

Activity ID	Field	Old Value	New Value
" "	Responsibility	Ahmed	Alaa
A1020	Responsibility	Ahmed	Alaa
A1030	Responsibility	Ahmed	Alaa
A1040	Responsibility	Ahmed	Alaa
A1050	Responsibility	Ahmed	Alaa

Global

Commit Changes

Change

Cancel Changes

Global Change

: **OD**

---

OD

Then	Parameter	Is	Parameter	Operator	Value
	Original Duration	=	Original Duration	+	1d

(+) Operator

: \_\_\_\_\_

Calendar

Then	Parameter	Is	Parameter	Operator	Value
	Calendar	=			مقاوم الخرسانات

## Project Tracking

P3e

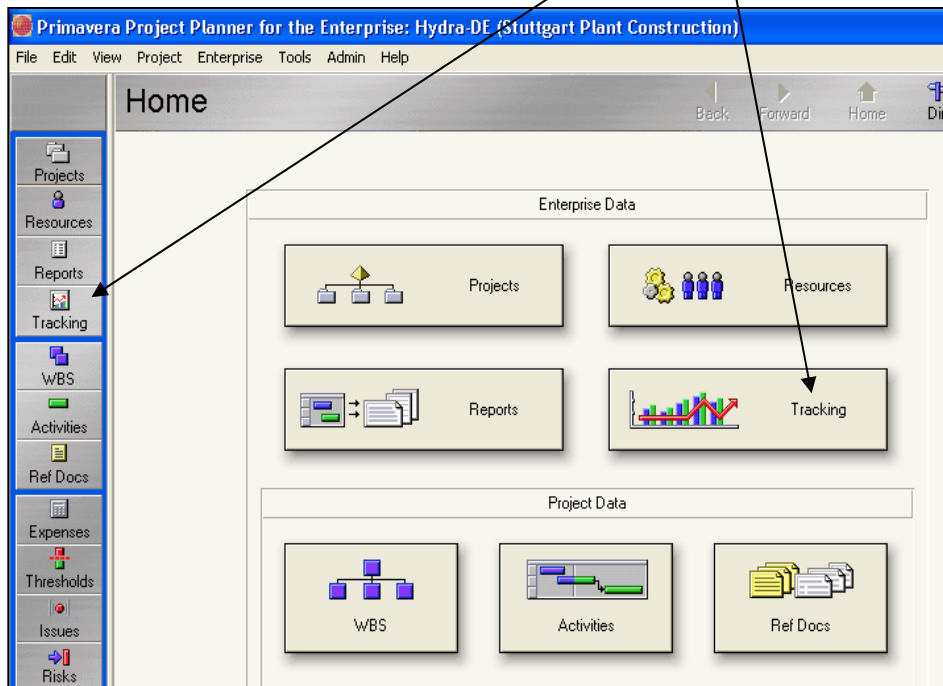
Tracking

Tracking

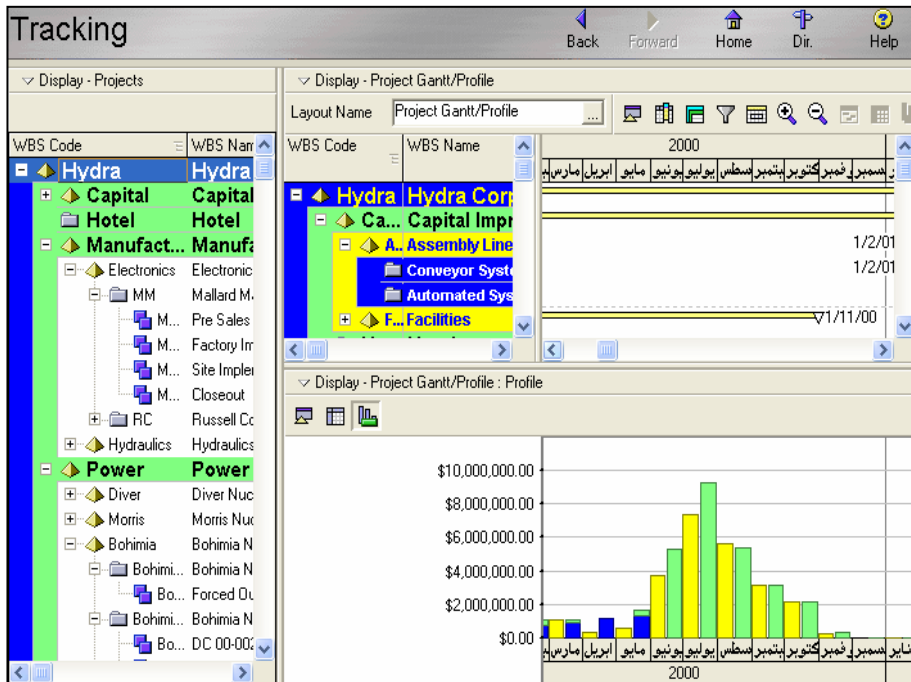
enterprise

Tracking

Tracking



:



EPS

Layouts

Tracking

Layout

. Layout

Tracking

: \_\_\_\_\_

Summarize

Tools

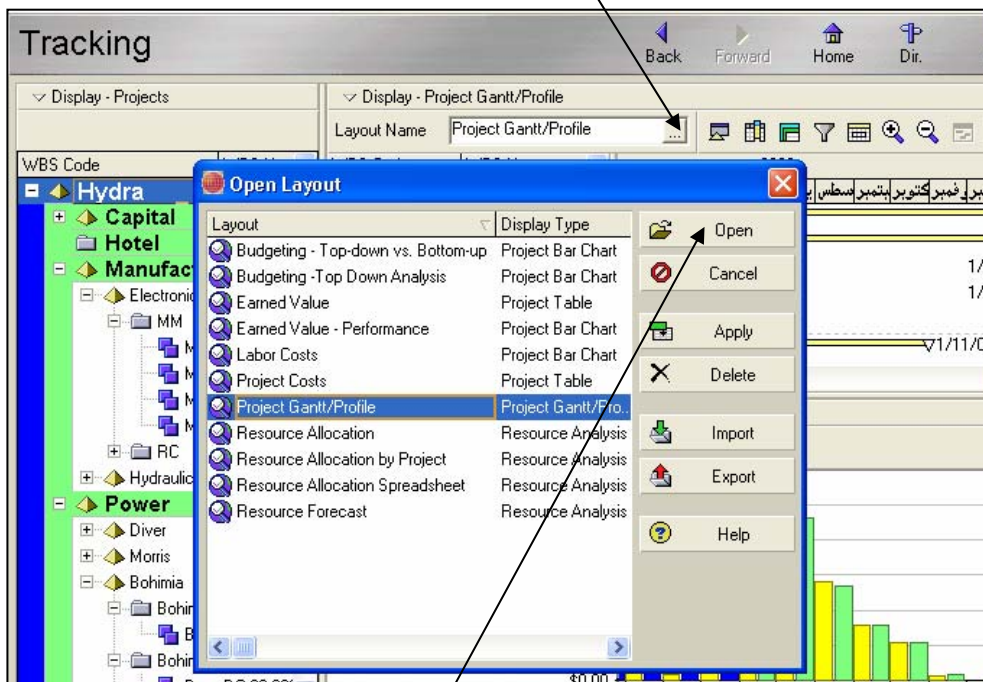
Tracking

.Summarize

Layout

layout Name

layout

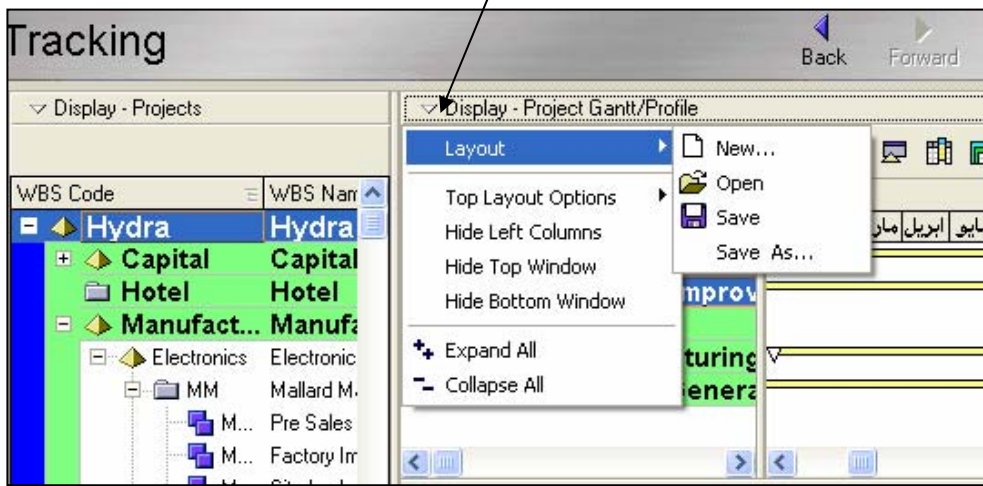


Open

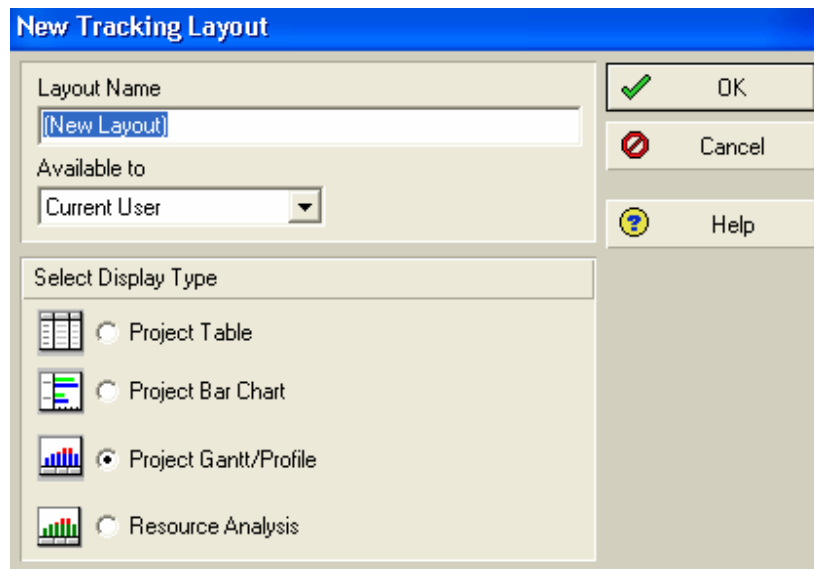
Layout

**Layout**

New      Layout      Display      Tracking

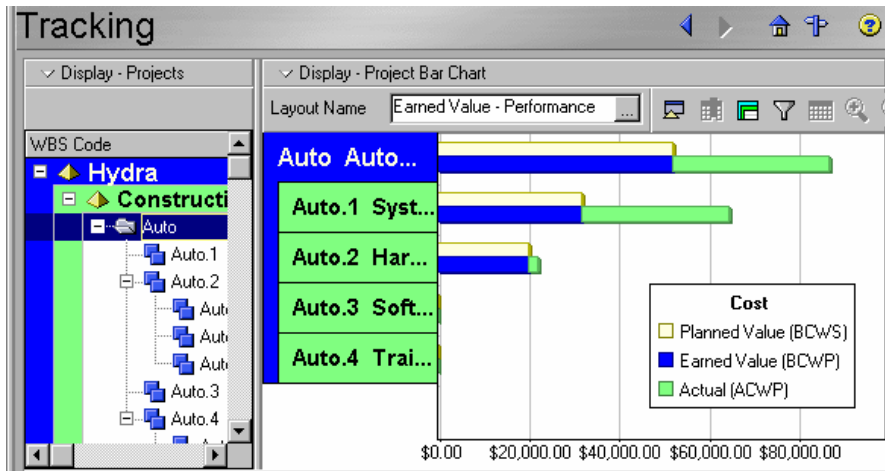


:

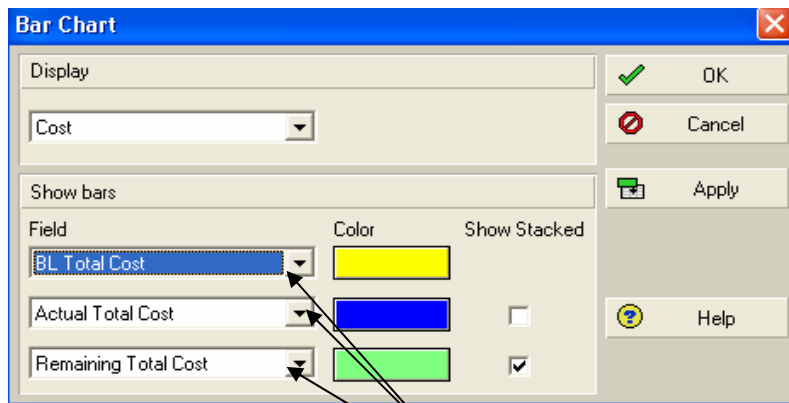




**Project Bar chart -2**

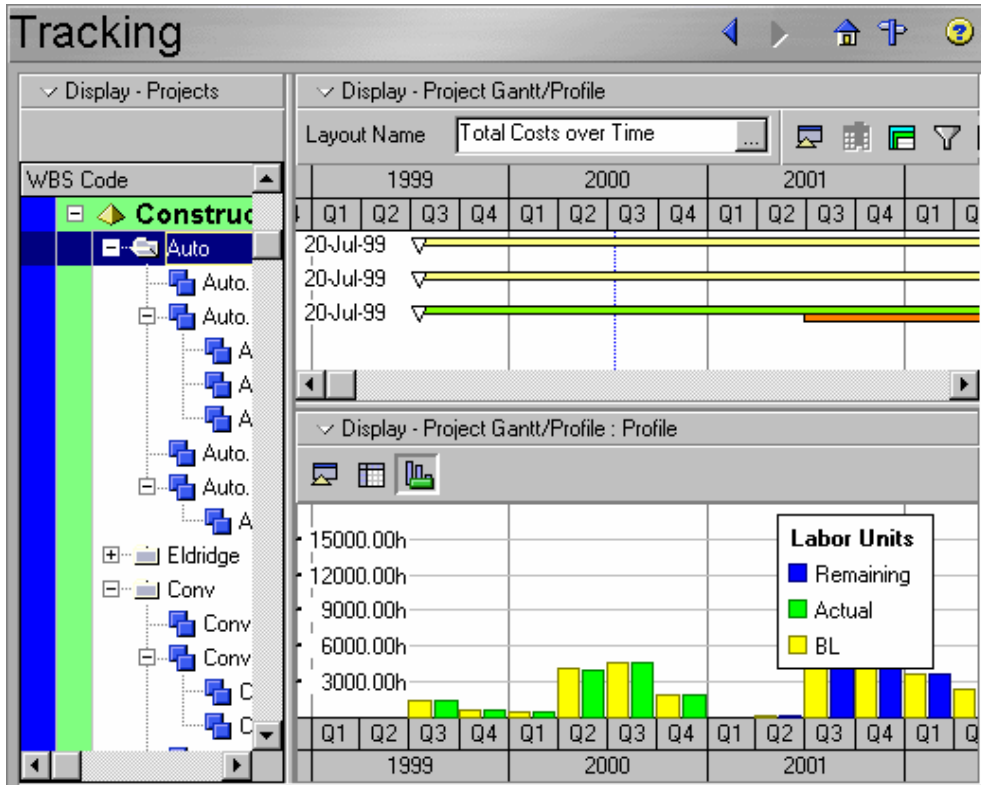


- ) Layout  
- ) Bar Chart (..  
Display WBS  
Edit Bars Top Layout Options



Field

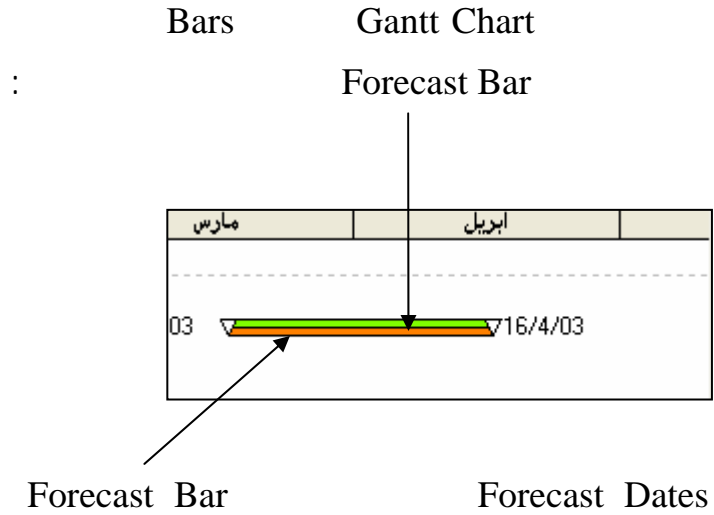
**Project Gantt/Profile -3**



Gantt Chart

Gantt Chart

.. (Forecast Dates)



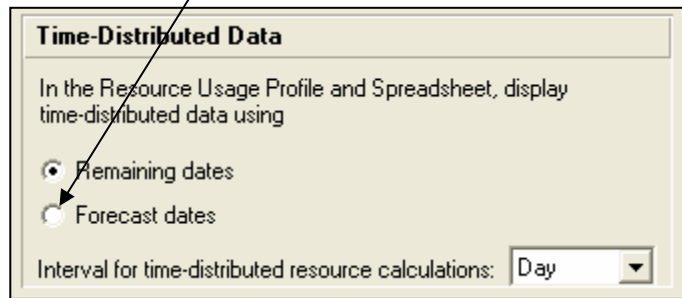
Forecast Dates

User Preferences

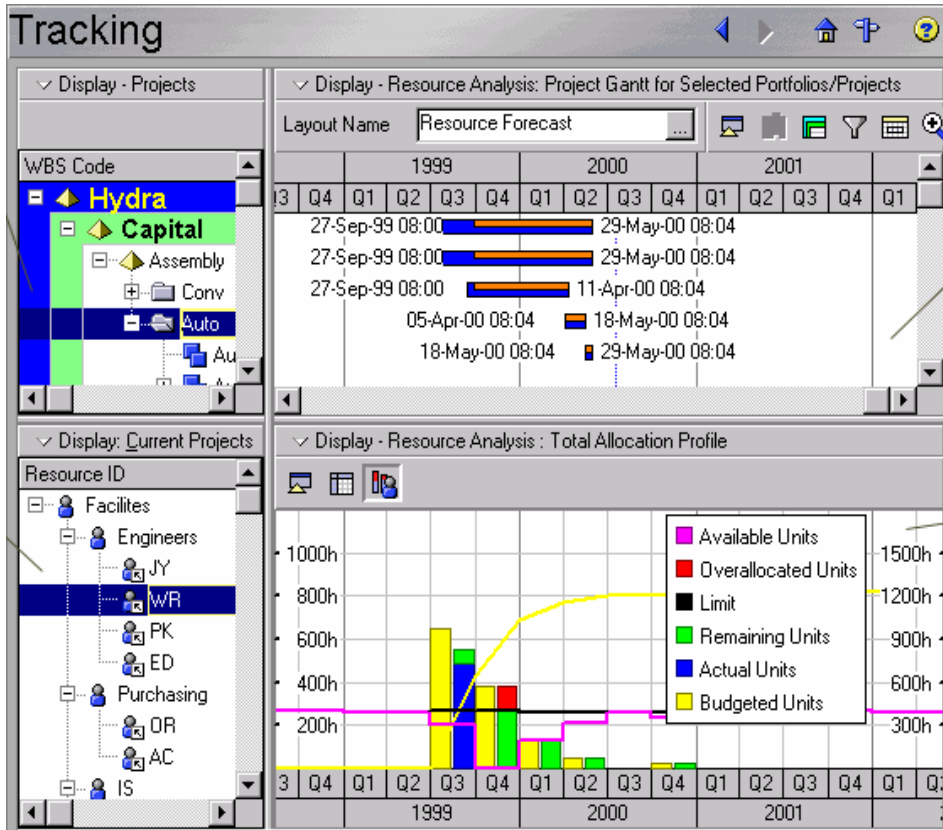
edit

Forecast dates

Resource Analysis



**Resource Analysis -4**



## Project Issues

P3e

.Issues

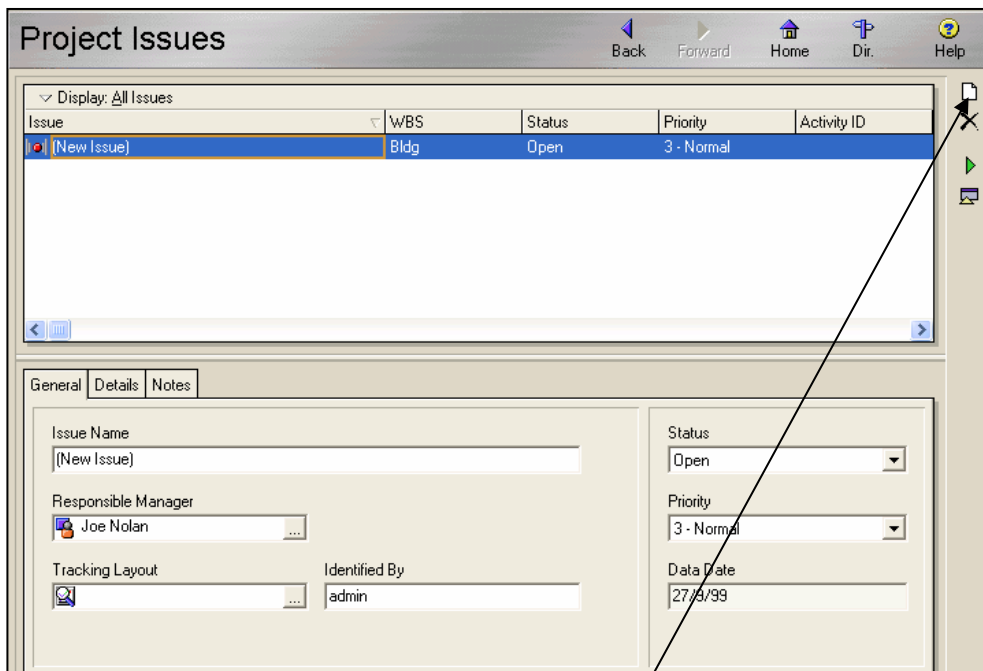
Issue

:

Issues

Project

Issue



Add

Issue

:

**General** :

The screenshot shows a 'General' tab in a software application. The form is divided into two main sections. The left section contains: 'Issue Name' with a text box containing '(New Issue)'; 'Responsible Manager' with a dropdown menu showing 'Joe Nolan' and a selection icon; 'Tracking Layout' with a selection icon; and 'Identified By' with a text box containing 'admin'. The right section contains: 'Status' with a dropdown menu showing 'Open'; 'Priority' with a dropdown menu showing '3 - Normal'; and 'Data Date' with a text box containing '27/9/99'. The tabs 'General', 'Details', and 'Notes' are visible at the top of the form.

- Issue Name
  - Responsible Manager
  - Tracking
  - Issue
  - status
  - Closed
  - Priority
- OBS
- Layout
- Layout
- Layout
- Tracking Layout
- Tracking
- Issue
- Open

**Details :**

/ / WBS

Issue

Threshold

**Notes :**

Issue

Issue

---

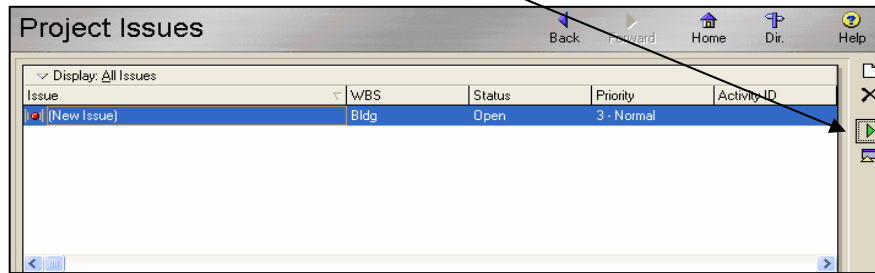
Issue

e-mail

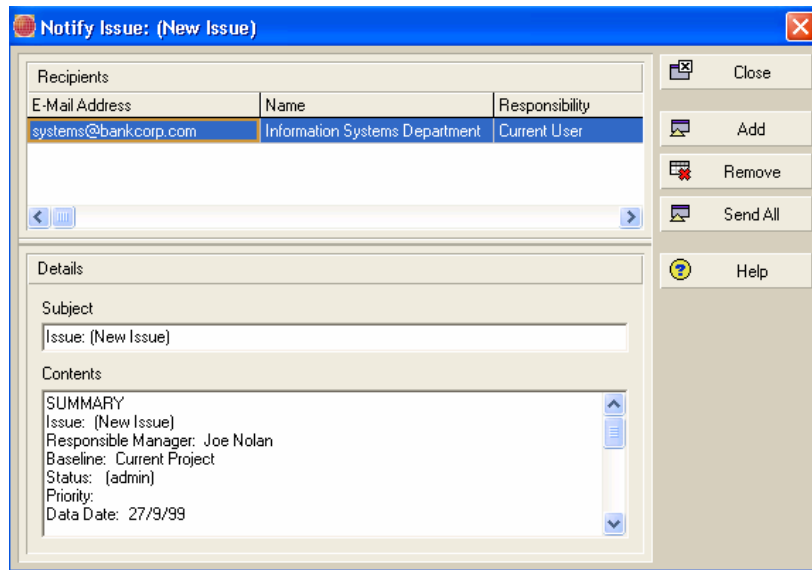
Send

Issue

Issue



:



Add

Issue

**Issues**

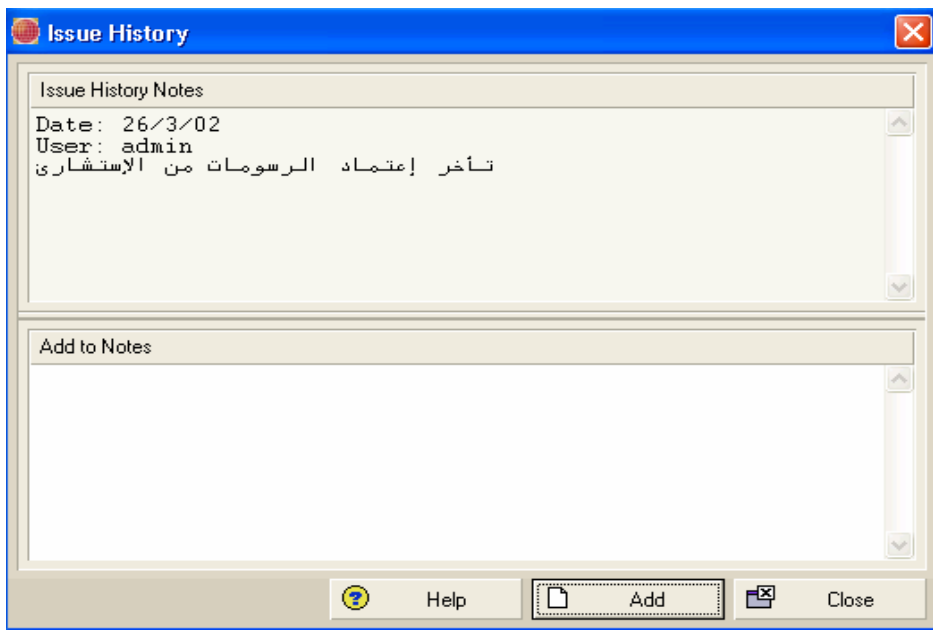
---

Issues

Issues

Discussion

:



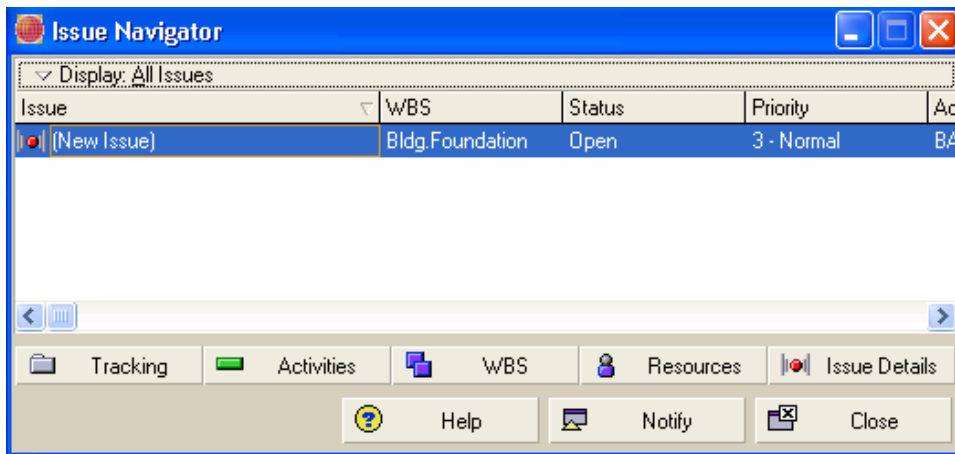
Issue

Add

**( Issue Navigator) Issues**

---

Issue / / WBS Issues layout .Issue  
Issue Navigator Tools Issue



/ / Tracking / WBS

Issue

Notify Issue

Issue Navigator

Application

User Preferences

Edit

Show the issue navigator dialog at startup

**Thresholds**

Threshold

Issue

.

⋮

(Start Date Variance)

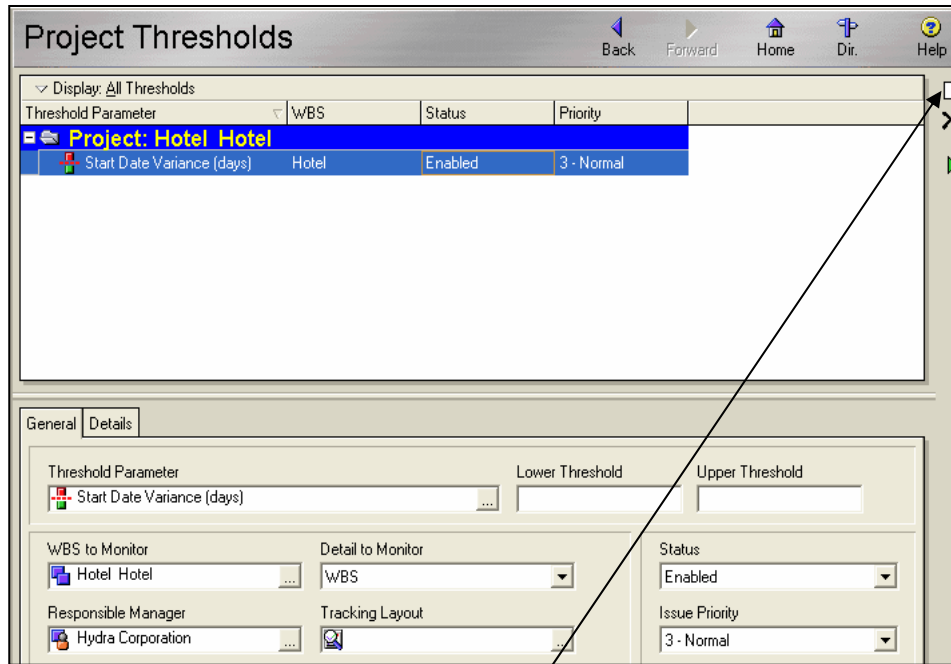
(7)

(-7)

Threshold



Threshold Project Threshold :



Add Threshold

Threshold

Details General

Threshold Parameter **General** :

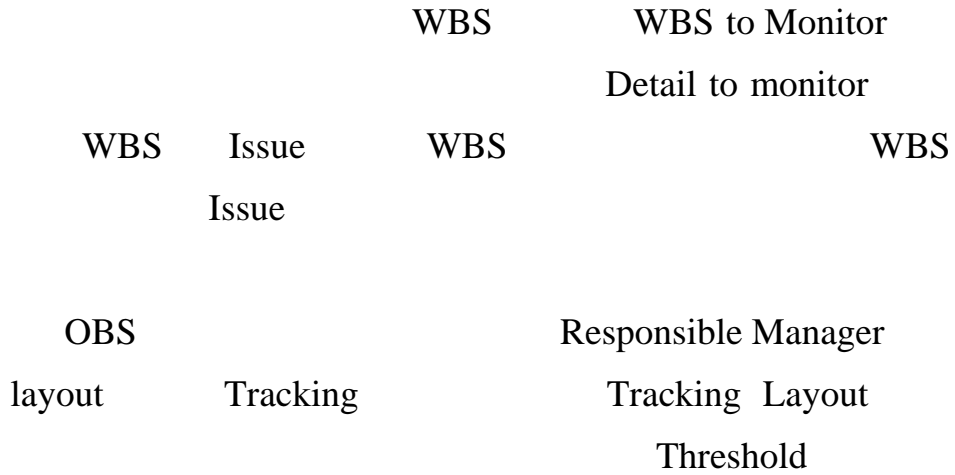
Start Date Variance

(-7)

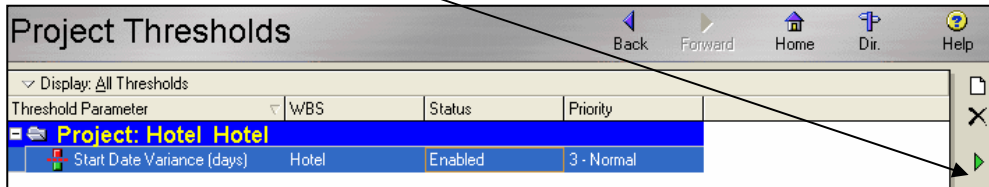
Lower Threshold

7

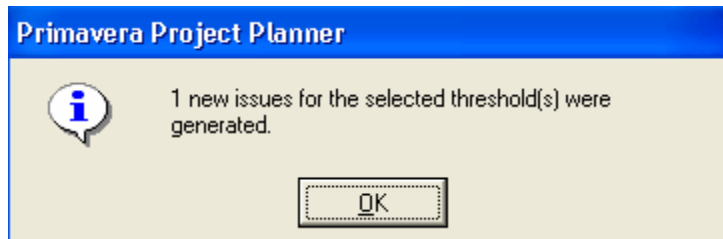
Upper Threshold



Monitor Threshold

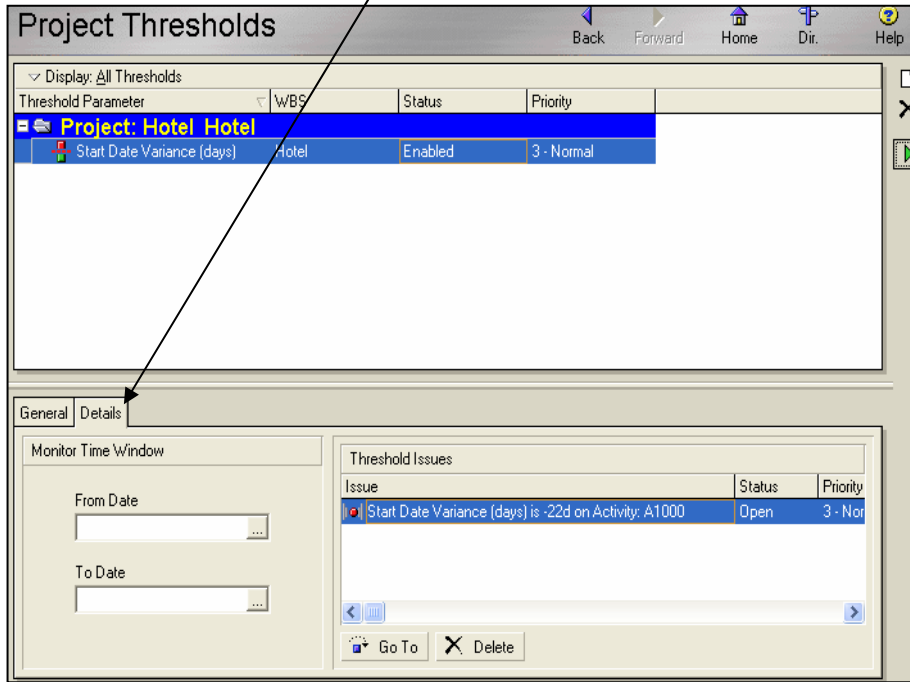


Issue Threshold  
Issues



Details

Issues



Issue

Issues

Go To

Threshold

WBS

From Date

WBS

To Date

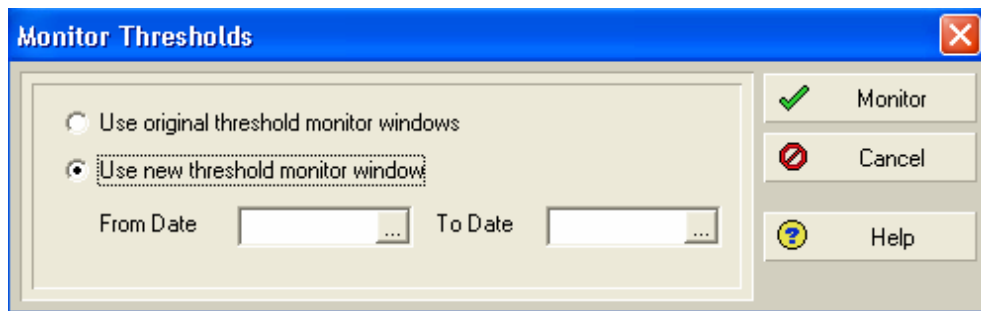
Tools

Thresholds

Monitoring

:

Monitor Thresholds



Threshold

Use Original Threshold Monitor Window

Thresholds

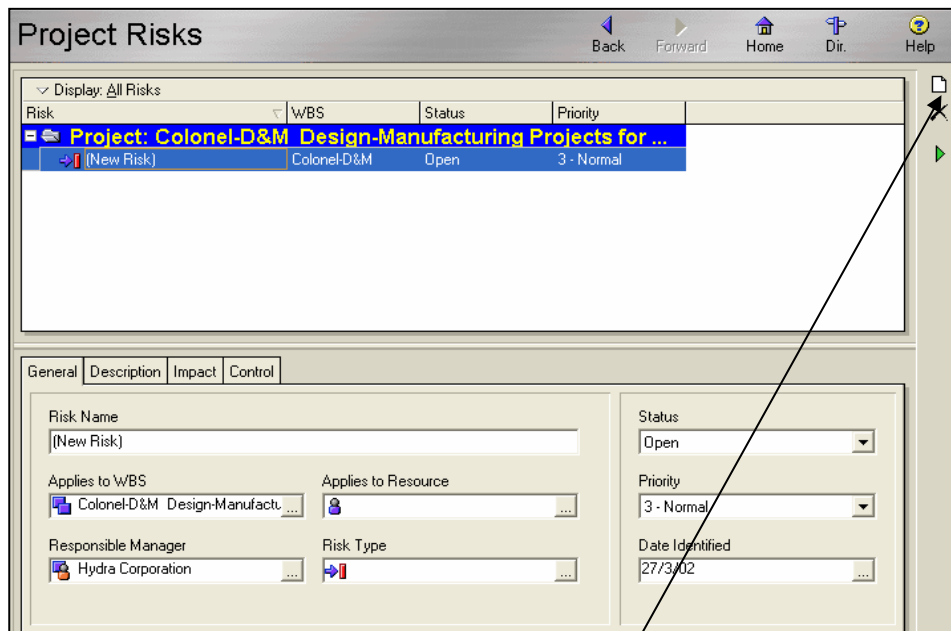
Use new threshold monitor window

## Risk Management

P3e

:

.Risks      Project      Risk



General

Add

Risk

:

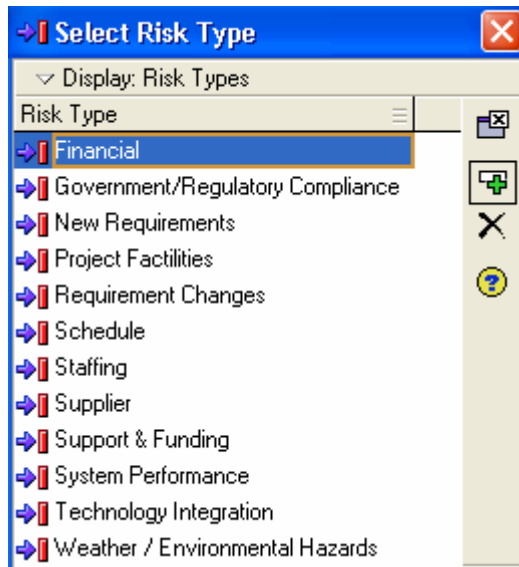
Risk

Risk

Risk Name

•

Applies to WBS Risk WBS •  
Risk •  
Responsible Manager  
Risk Risk type •  
: Risks



Risks  
Admin Categories Admin  
/ / Risk Type  
Risks

### Impact

General	Description	Impact	Control
Impact Date	27/3/02	Impacted Activities	10
Labor Units	Current: 185h	Impact: 40h	Exposure: 20h
Nonlabor Units	0h	×	Probability: 50 % =
Expenses	\$0.00		

Impact Date •

WBS/Resource

Impact •

Risk

Risk

Probability •

Impact

Exposure •

Risk

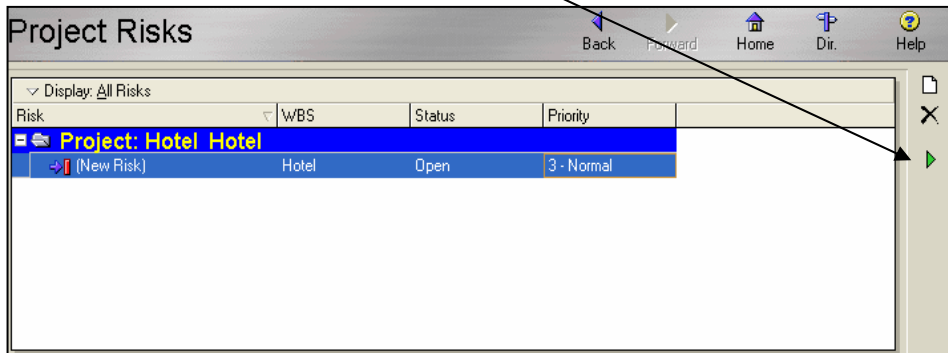
(Description - Control)

Risk /

**Risk**

Calculate Impact

Risk



**Risk Impact: (New Risk)**

WBS	Resource	Impact Date	Impacted Activities	
Hotel		27/3/02	10	

Cost Impact				
	Current	Impact	Current + Impact	Impact %
Labor Cost	\$875.00	\$26.00	\$901.00	2.97%
Nonlabor Cost	\$0.00	\$0.00	\$0.00	0%
Expense Cost	\$0.00	\$0.00	\$0.00	0%
<b>Total Cost</b>	<b>\$875.00</b>	<b>\$26.00</b>	<b>\$901.00</b>	<b>2.97%</b>

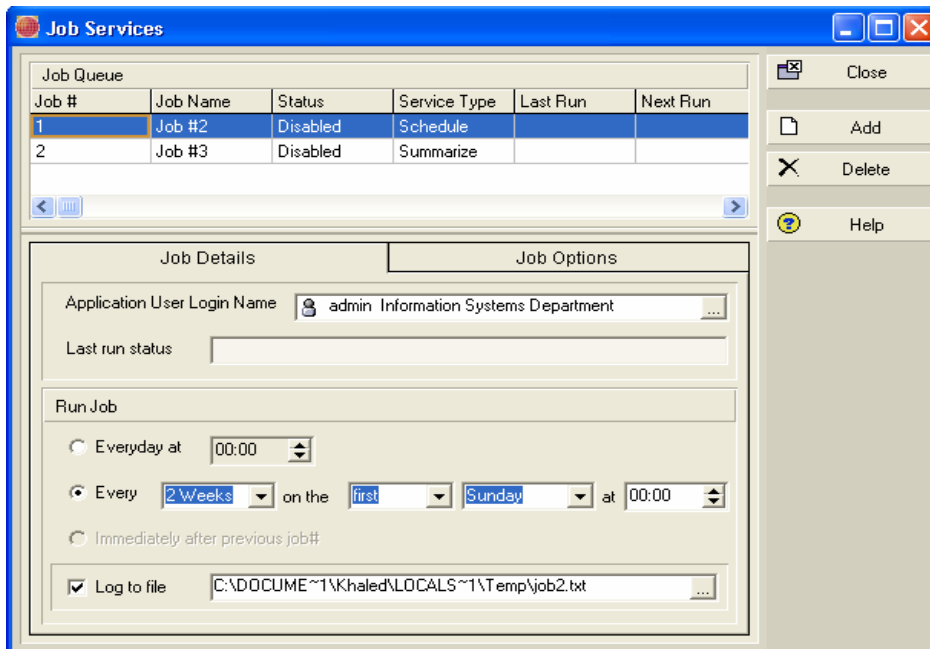
  

Schedule Impact		
	Current	Current + Impact
WBS Total Float	0d	0d
WBS Finish Date	22/5/03	23/5/03
Project Total Float	0d	0d
Project Finish Date	22/5/03	23/5/03

## Job Services

Job Services      Tools      Job Services

:



Status

Add

Job

disabled

Enabled

Schedule

Service Type

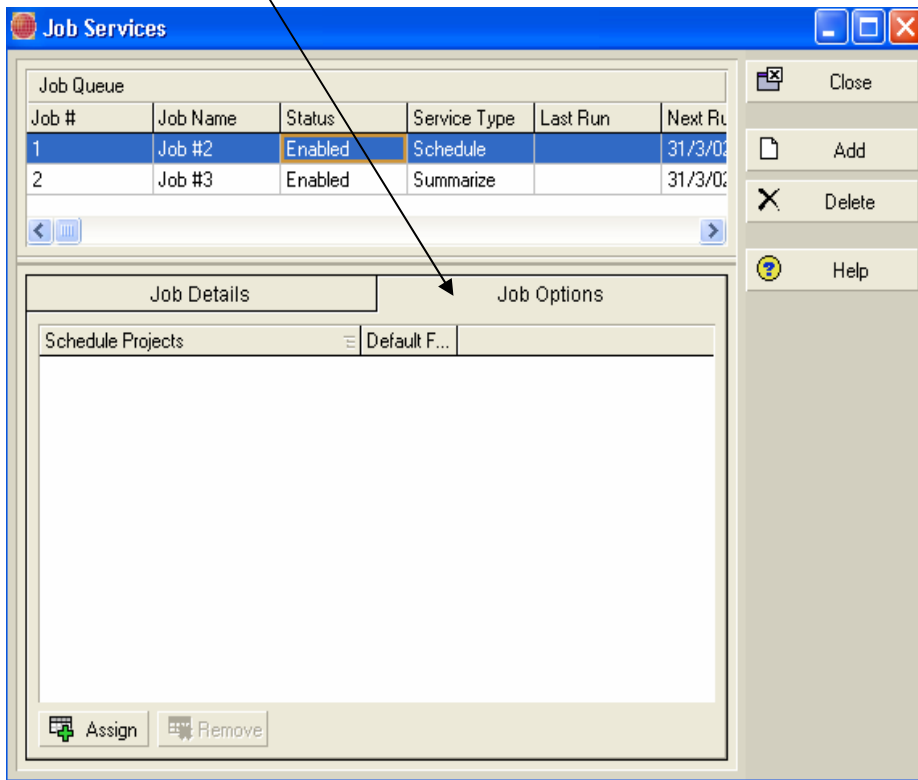
Summarize

(Schedule /Summarize)

Log to file

Job Options

Schedule



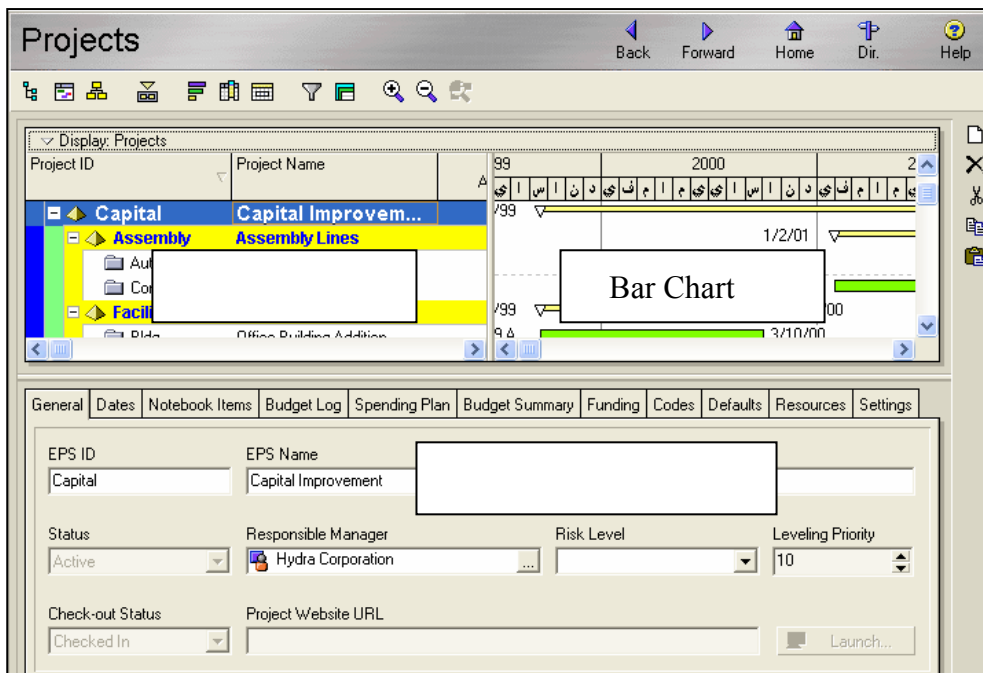
Assign



# المشروعات

---

Projects Enterprise



:

: \_\_\_\_\_

▼ Display: Projects

Project ID	Project Name	Total Activities	Risk
▶ ◆ Hydra	<b>Hydra Corporation</b>	162	
▶ Hotel	Hotel	10	
▶ ◆ Capital	<b>Capital Improvem...</b>	71	
▶ ◆ Assembly	<b>Assembly Lines</b>	3	
▶ Auto	Automated System	1	
▶ Conv	Conveyor System	2	
▶ ◆ Facilities	<b>Facilities</b>	68	
▶ Bldg	Office Building Addition	67	
▶ Hydra-DE	Stuttgart Plant Construction	1	
▶ ◆ Manufacturi...	<b>Manufacturing Div...</b>	74	
▶ ◆ Electronics	<b>Electronics</b>	0	
▶ RC	Russell Computers	0	
▶ MM	Mallard Manufacturing	0	
▶ ◆ Hydraulics	<b>Hydraulics Division</b>	74	

View

Customize

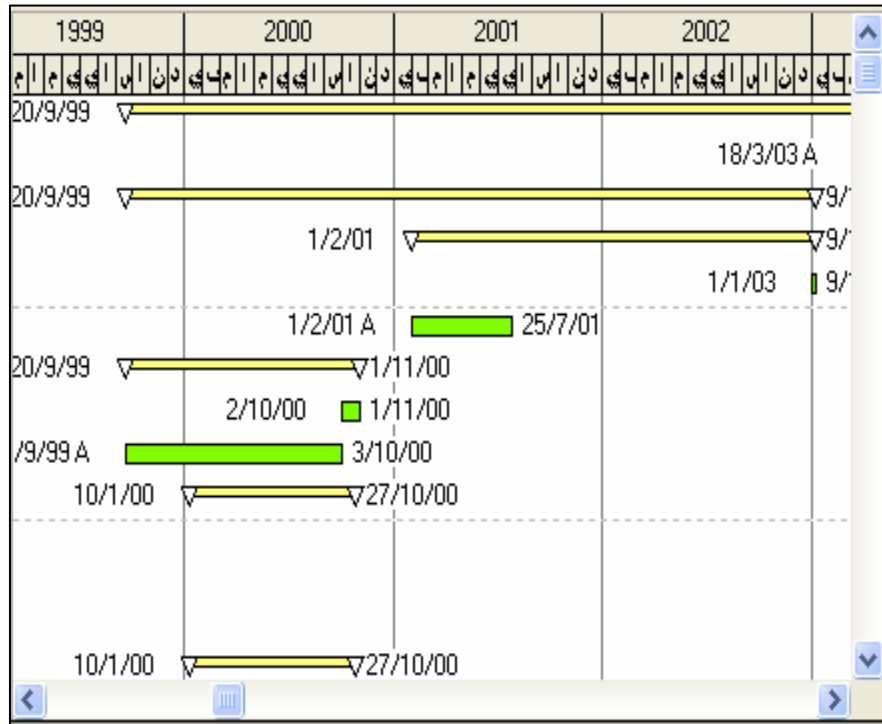
Columns



Filter



**Bar Chart** :



Bars View Bars Bars  
Bars  
Filter Bars

### Chart View

---

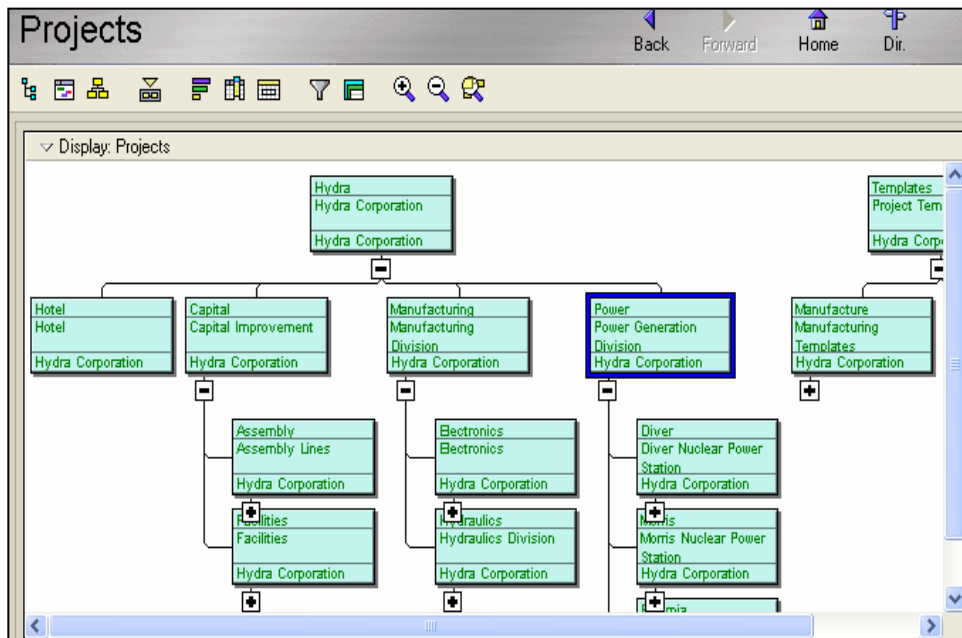
Show in top

View

Chart

:

Chart View



Arrange Children

View

Chart

•

•

Customize

Chart Box Template

View

:

:

**General**

The screenshot shows the 'General' tab of a Primavera project configuration window. The fields are as follows:

Project ID	Project Name		
Auto	Automated System		
Status	Responsible Manager	Risk Level	Leveling Priority
Active	Andy Mason		10
Check-out Status	Project Website URL	Launch...	
Checked In	www.auto.hydracorp.nul		

4

**Status**

(Active – Inactive – Planned – What If)

Filter

. Active

Filter

Progress Reporter

. Active

**Project Web Site URL**

Launch

**Risk Level**

Grouping Filter

Resource Leveling

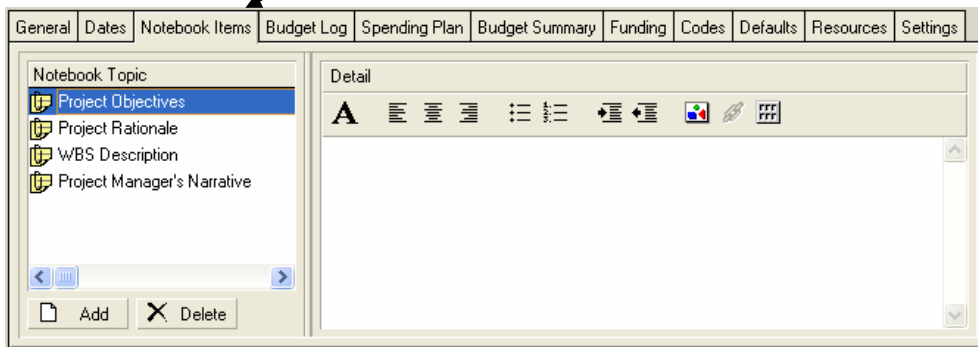
**Leveling Priority**

Leveling

1 100 1

**Notebook Items**

---



**Codes**

Project Code	Code Value	Code Description
Project Sponsor	D. Simpson, VP E...	D. Simpson, VP Engineering
Product Group	Manufacturing - QA	Manufacturing - QA
Division	Const	Construction Project
Construct	Man	Manufacturing

Assign Remove

Assign

.Assign

**Default**

**Default Settings**

Price / Time for activities without resources:

Activity percent complete based on activity steps

**Defaults for New Activities**

Duration Type: Fixed Duration Cost Account:

Percent Complete Type: Duration Calendar:

### Price / Time for activities without resources

( / )

General | Status | Resources | Predecessors | Successors | Codes | Notebook Items | Steps | Feedback | Ref Docs | Expenses

Activity: kk1010 | Project: Auto

Duration	Status	Labor Units
Original: 5d	<input type="checkbox"/> Started: 1/1/03	Budgeted: 500h
Actual: 0d	<input type="checkbox"/> Finished: 7/1/03	Actual: 0h
Remaining: 5d	Free Float: 0d	Remaining: 500h
At Complete: 5d	Total Float: 6d	At Complete: 500h

### Activity percent complete based on activity step

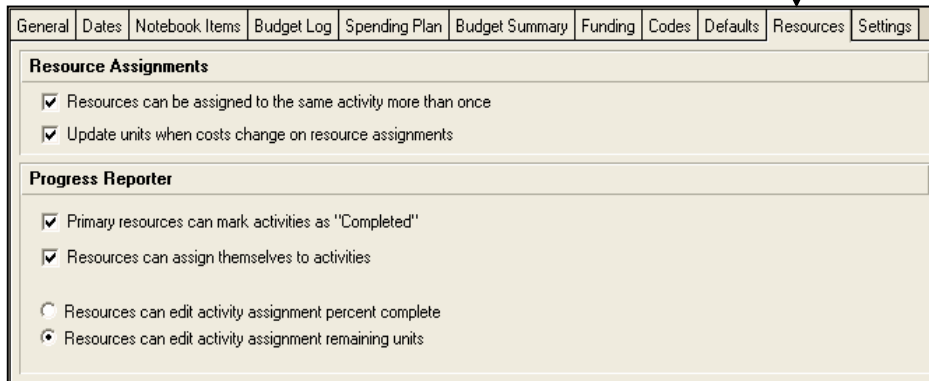
(Steps)

General | Status | Resources | Predecessors | Successors | Codes | Notebook Items | Steps | Feedback | Ref Docs | Expenses

Activity: kk1010 | Project: Auto

Step	Weight	Percent	Completed
1	1.0	33.0	<input checked="" type="checkbox"/>
2	1.0	33.0	<input checked="" type="checkbox"/>
3	1.0	33.0	<input type="checkbox"/>

**Resources**



General	Dates	Notebook Items	Budget Log	Spending Plan	Budget Summary	Funding	Codes	Defaults	Resources	Settings
<b>Resource Assignments</b>										
<input checked="" type="checkbox"/> Resources can be assigned to the same activity more than once										
<input checked="" type="checkbox"/> Update units when costs change on resource assignments										
<b>Progress Reporter</b>										
<input checked="" type="checkbox"/> Primary resources can mark activities as "Completed"										
<input checked="" type="checkbox"/> Resources can assign themselves to activities										
<input type="checkbox"/> Resources can edit activity assignment percent complete										
<input checked="" type="radio"/> Resources can edit activity assignment remaining units										

: Progress Reporter  
**Resources can be assigned to the same activity more than once**

Resource Lag

Resource Duration

**Update Units When Costs Change on Resource Assignments**

Progress Reporter

**Settings**

:

**Summarized Data**

Contains Summarized Data only

Microsoft Project

WBS

Summarize to WBS level

Portfolio Analyst

Baseline

Baseline for summarization

Baseline

**Auto numbering default**

ID

ID

:

ID

Activity ID prefixes

IDs

AA



Primavera

---

Fiscal Year Begins on the 1st Day of

)

(

**Budgeting**

P3e

Root

Node

EPS

Nodes

Node

Top Down Budgeting

**Top Down Budgeting**

Nodes

Node

( ) Nodes

إدارة الإنشاءات	إدارة الإنشاءات	<b>\$5,000,000</b>
Buiding	مبانى سكنية	\$2,500,000
Hotel	فندق سياحى	\$1,000,000
Utilities	مرافق	\$1,500,000

Node

Budget

Budget Log

### Budget

General	Dates	Notebook Items	Budget Log	Spending Plan	Budget Summary	Funding	Codes	Defaults	Resources	Settings
Original Budget:		\$5,000,000	Current Budget:		\$5,000,000	Proposed Budget:		\$5,000,000		
Budget Change Log										
Date	Amount	Responsible	Status	Reason	Change					
<input type="button" value="Add"/> <input type="button" value="Delete"/>										

### Spending Plan

### Node

### Spending Plan

General	Dates	Notebook Items	Budget Log	Spending Plan	Budget Summary	Funding	Codes	Defaults	Resources	Settings
Date	Spending Plan	Spending Plan Tally	Undistributed Current Variance	Benefit Plan	Benefit Plan Tally					
<b>Total</b>	<b>\$5,000,000</b>	<b>\$5,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>					
02 - مارس	\$1,000,000	\$1,300,000	(\$300,000)	\$0	\$0					
02 - ابريل	\$1,500,000	\$1,800,000	(\$300,000)	\$0	\$0					
02 - مايو	\$1,000,000	\$1,600,000	(\$600,000)	\$0	\$0					
02 - يونيو	\$1,500,000	\$300,000	\$1,200,000	\$0	\$0					

توزيع الميزانية  
بمعرفة المدير  
المسئول عن مدة  
المشروع

مجموع الإنفاق  
الشهرى  
للمستويات التابعة  
للـ EPS

الفرق بين الميزانية الخاصة بالـ  
EPS والميزانية المحسوبة من  
المشروعات التابعة لها

Benefit Plan

---

P3e

Budget Log

General	Dates	Notebook Items	Budget Log	Spending Plan	Budget Summary	Funding	Codes	Defaults	Resources	Settings																																												
Original Budget:		\$5,000,000		Current Budget:		\$6,000,000		Proposed Budget:			\$6,500,000																																											
Budget Change Log																																																						
Date	Amount	Responsible	Status	Reason	Change Number																																																	
<table border="1"> <tr> <td colspan="11">- Pending \$500,000</td> </tr> <tr> <td>1/4/02</td> <td>\$500,000</td> <td></td> <td>Pending</td> <td></td> <td>2</td> <td colspan="5"></td> </tr> <tr> <td colspan="11">- Approved \$1,000,000</td> </tr> <tr> <td>1/4/02</td> <td>\$1,000,000</td> <td></td> <td>Approved</td> <td></td> <td>1</td> <td colspan="5"></td> </tr> </table>											- Pending \$500,000											1/4/02	\$500,000		Pending		2						- Approved \$1,000,000											1/4/02	\$1,000,000		Approved		1					
- Pending \$500,000																																																						
1/4/02	\$500,000		Pending		2																																																	
- Approved \$1,000,000																																																						
1/4/02	\$1,000,000		Approved		1																																																	
<input type="button" value="Add"/> <input type="button" value="Delete"/>																																																						

Add

Amount

Date

(Approved / Pending / Not Approved)

Status

:

Current Budget = Original Budget + Approved Budget Changes

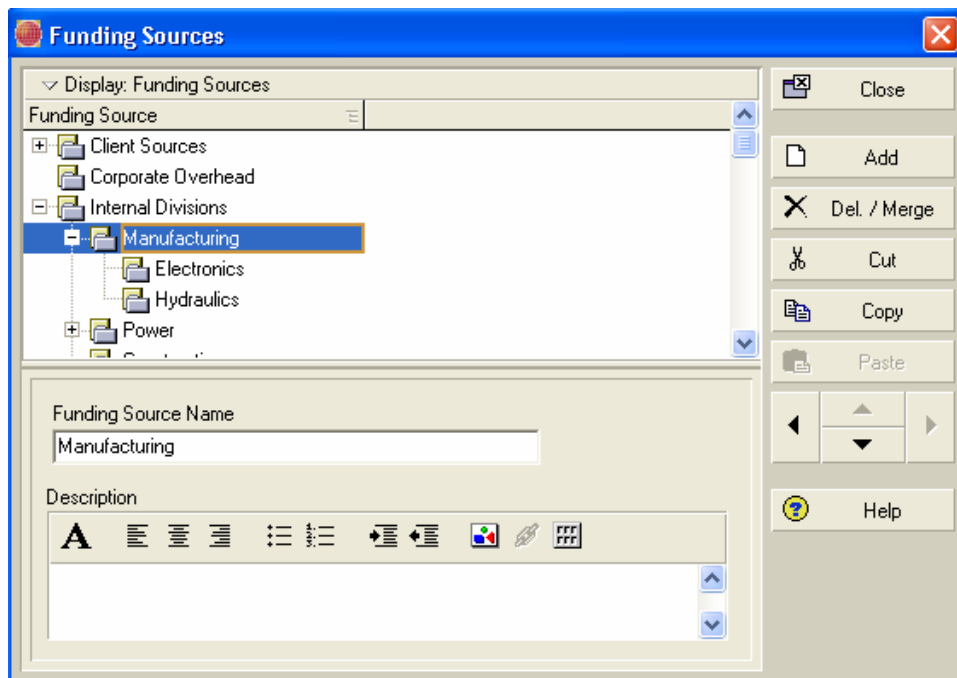
Proposed Budget = Original Budget + Approved Budget Changes  
+ Pending Budget Changes

## Funding

---

P3e

Funding Sources      Enterprise



Funding



Funding Source	Amount	Fund Share %
Colonel Motors	\$500	20%
Millipede Tractors	\$1,000	5%

Add Delete

Add

Amount

Fund Share

## Copying Projects

.What If

/

EPS

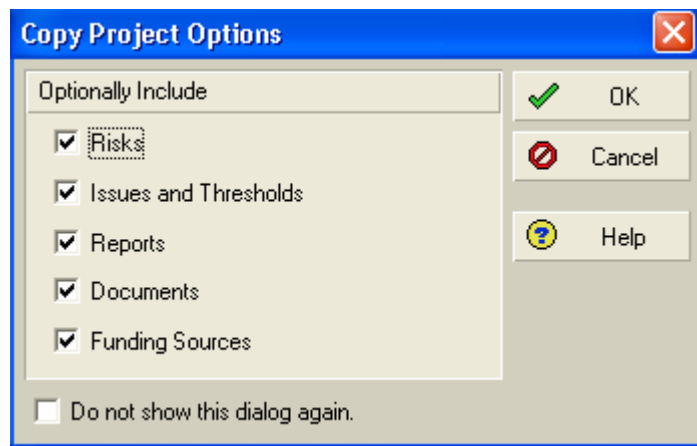
Copy

Edit

Paste

Edit

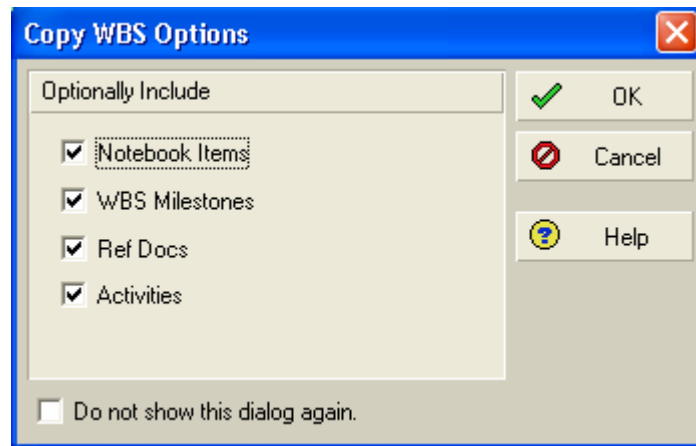
:



✓

:

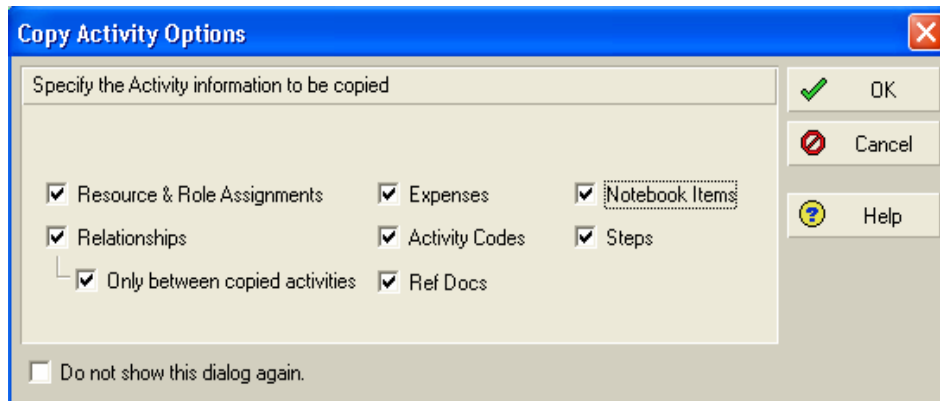
OK



WBS

:

OK



**Export**

P3

P3e

Microsoft Project

Export

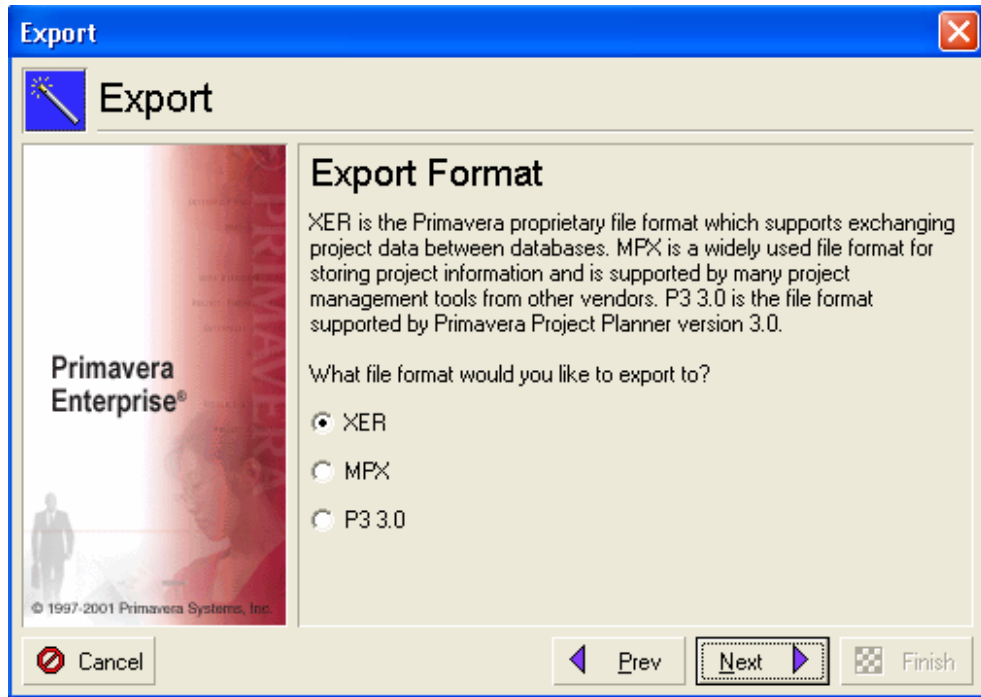
File

:



Next

Roles



:

**XER**

Excel

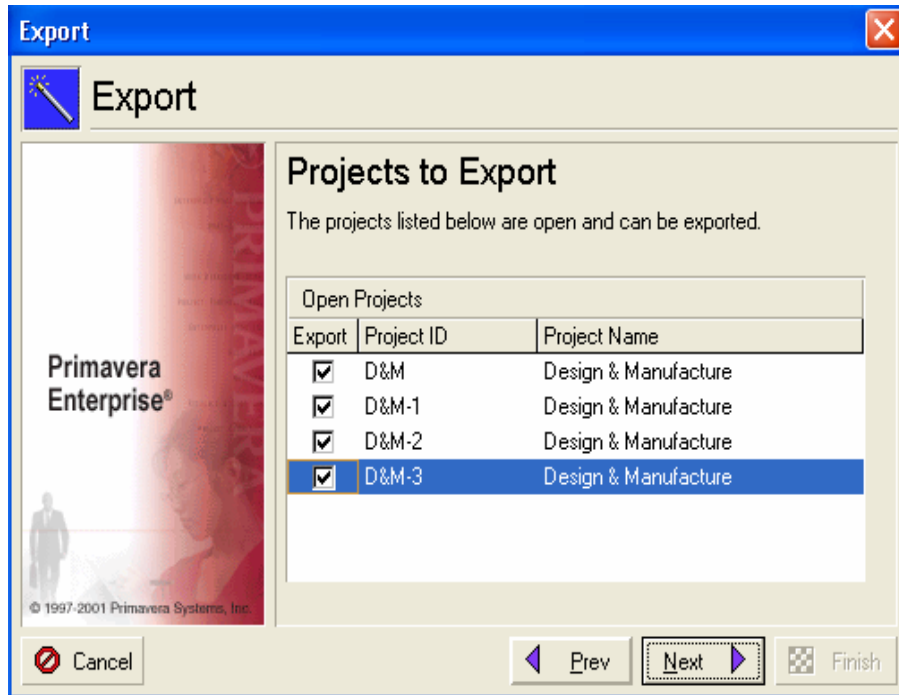
Microsoft Project

**MPX**

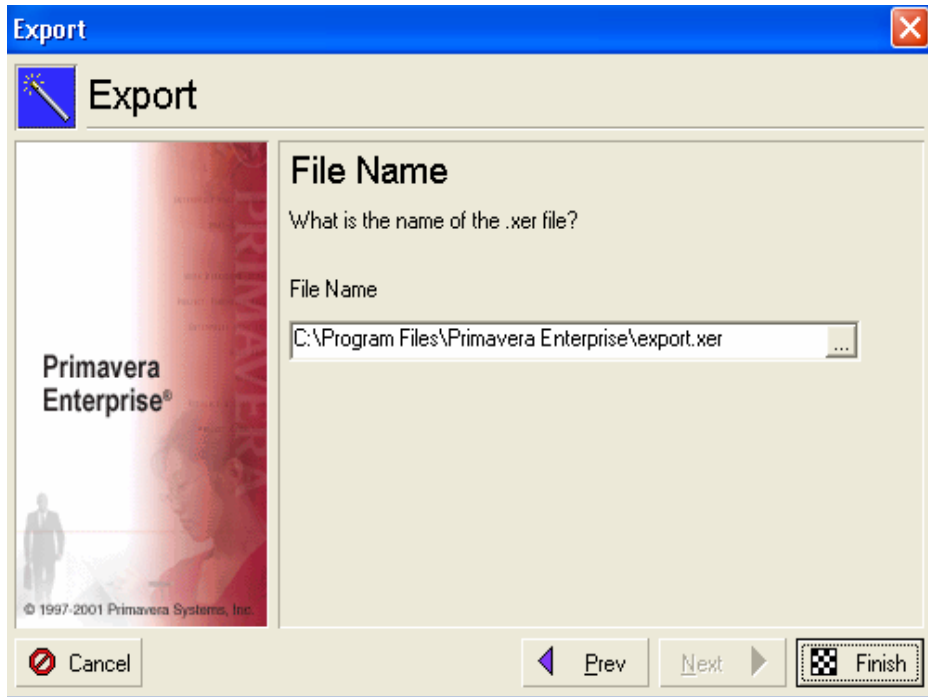
P3

**P3 3.0**

Next



: Next

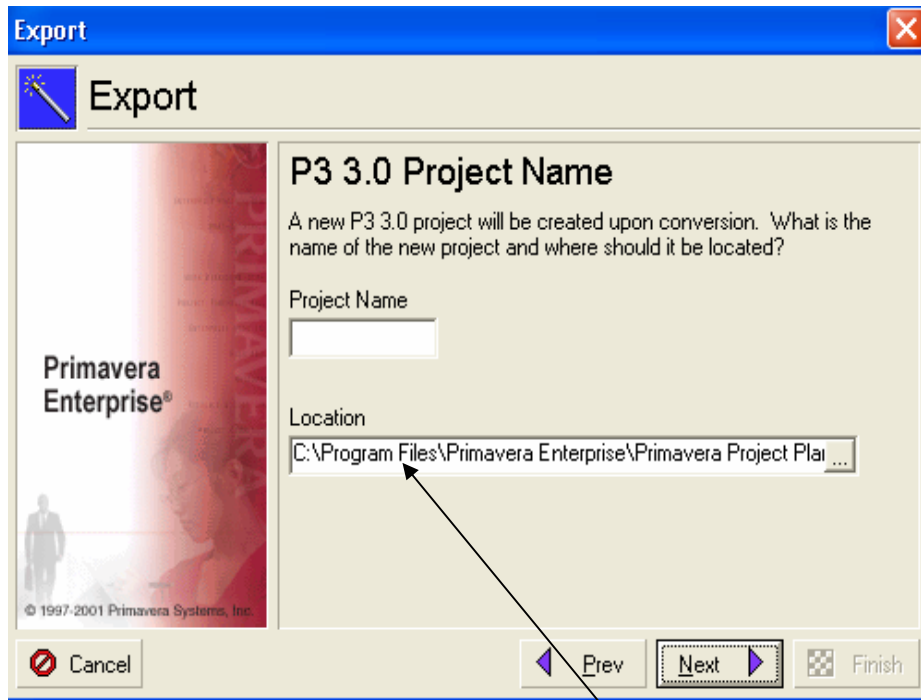


Finish

P3

4

:



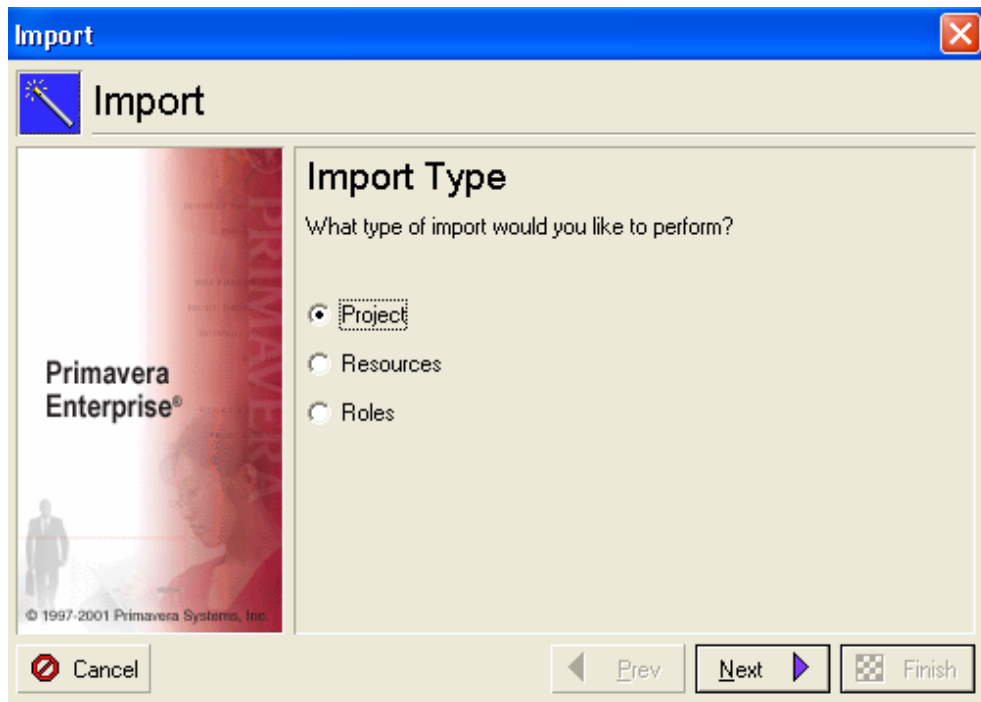
Next

P3

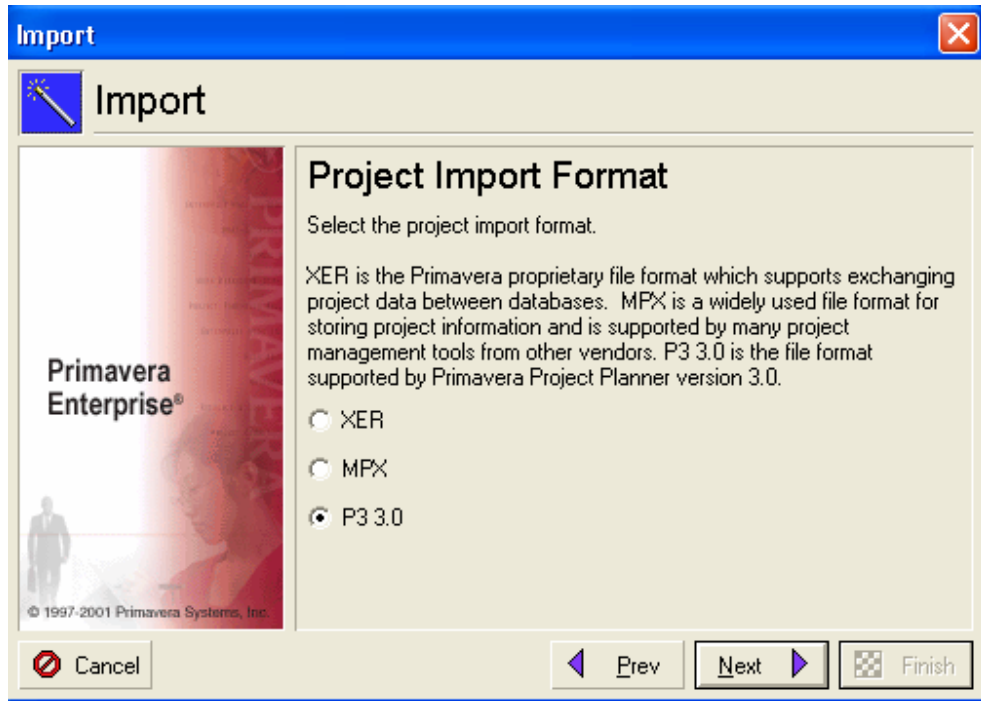
## Importing Data

Microsoft Project P3

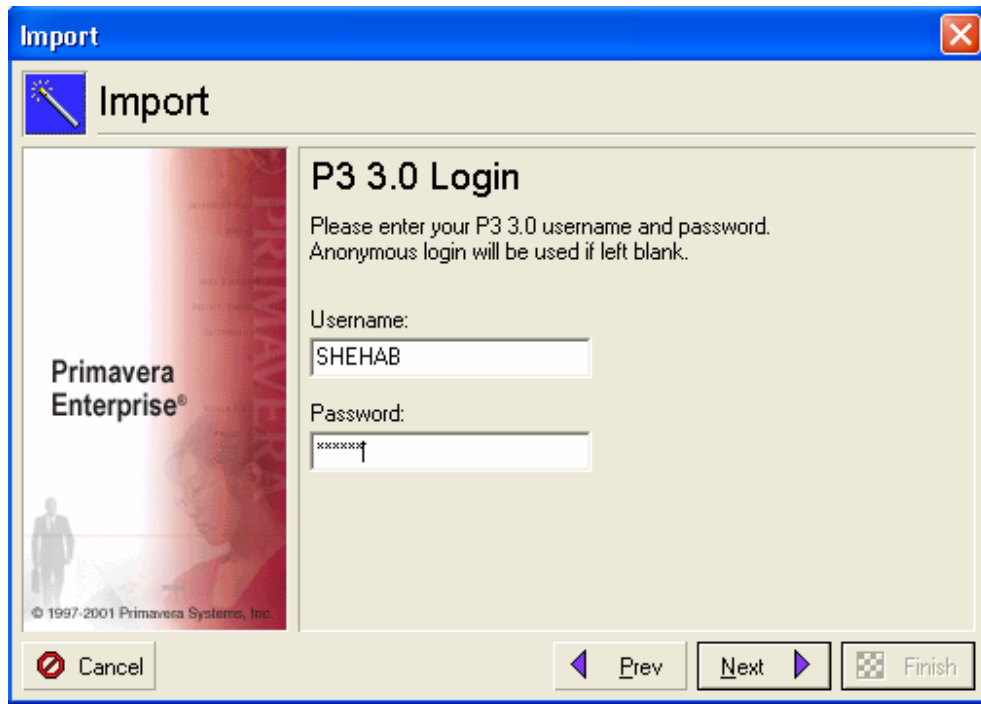
: Import File Import



Next Project



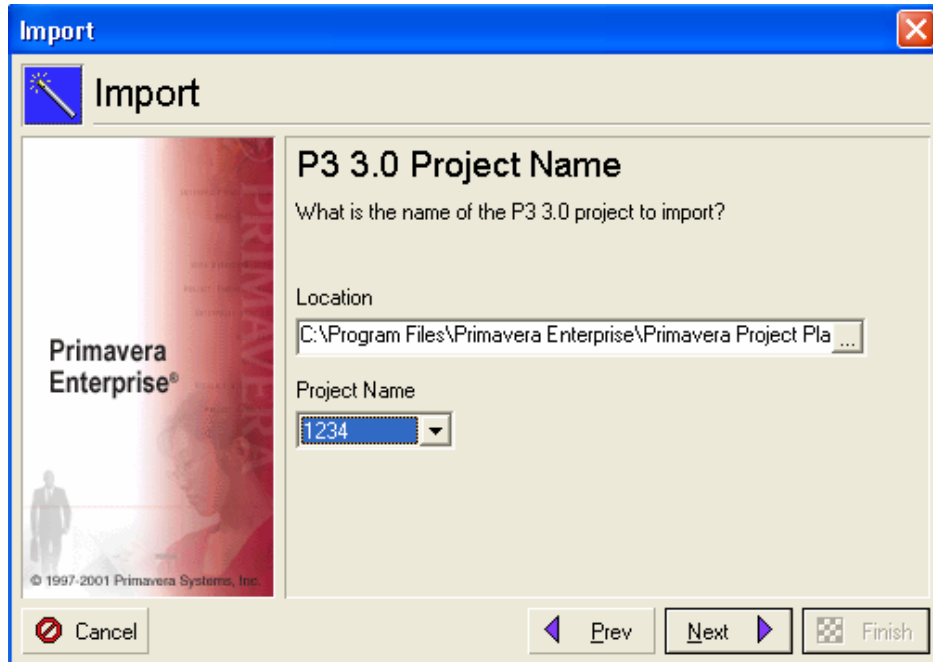
: Next P3 3.0



P3

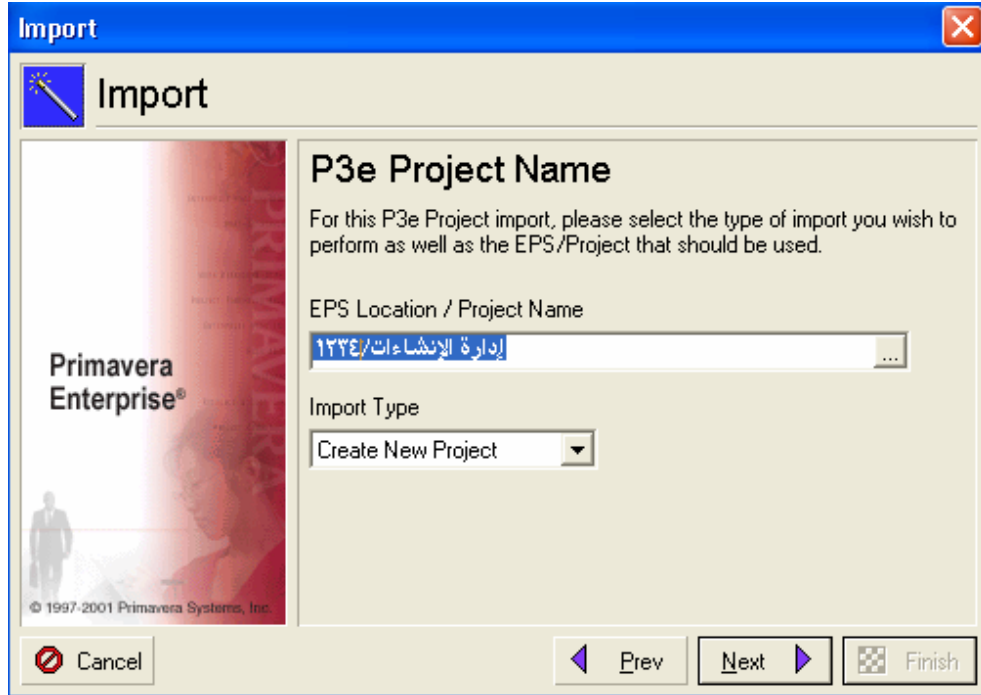
:

Next



Next

:



Import Type

EPS

:

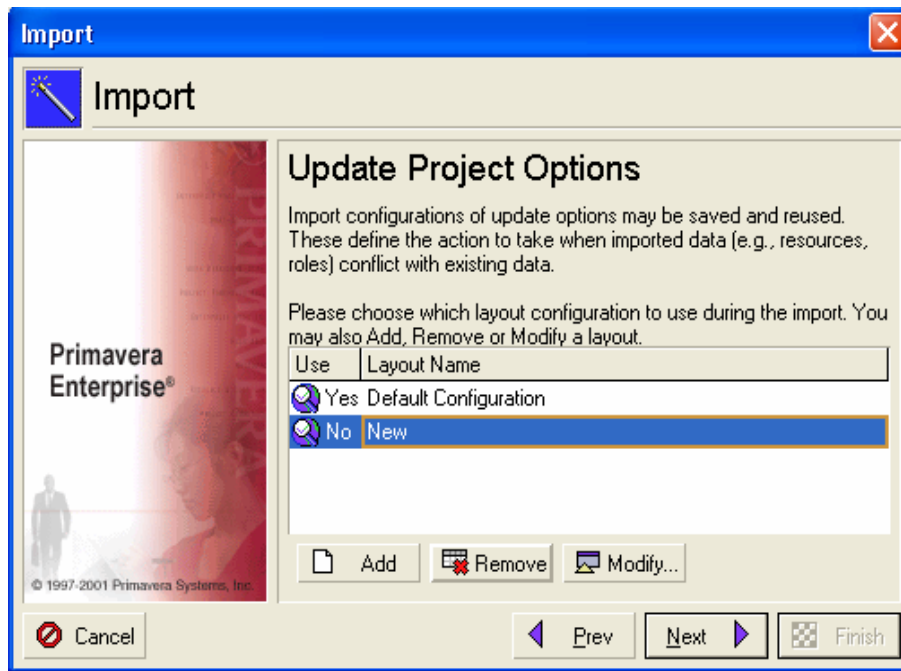
**Create New Project**

**Replace Existing Project**

**Update Existing Project**

:

Next



Layout

Add

Layout

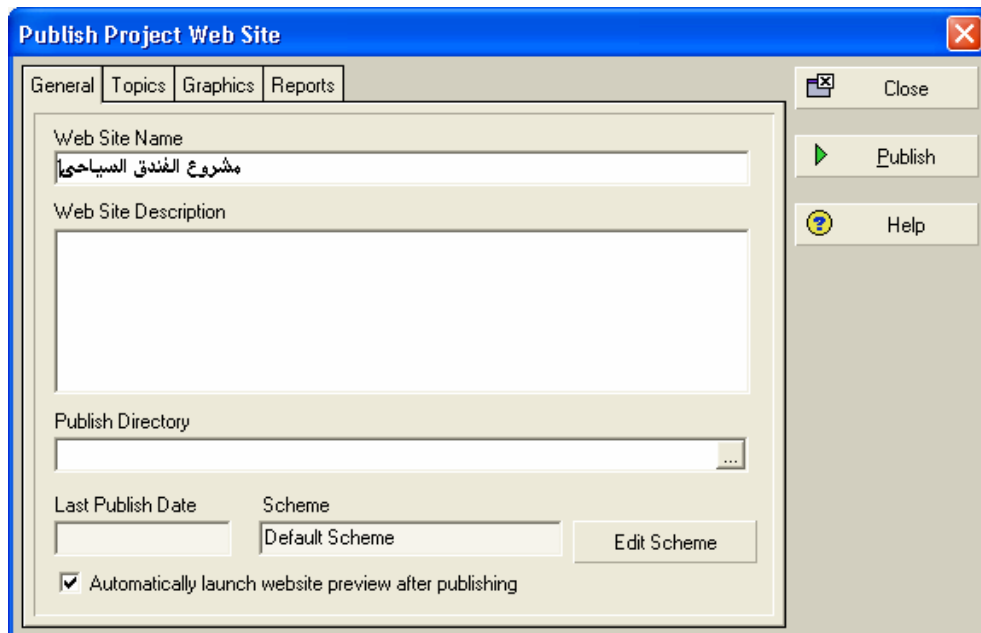
Next

Finish

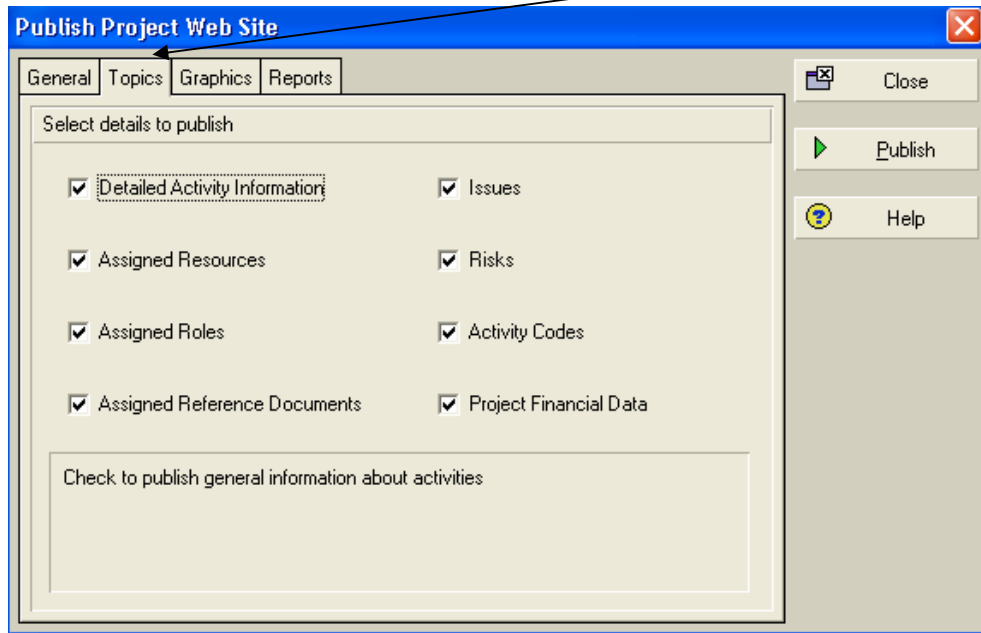
Tools

Project Web site

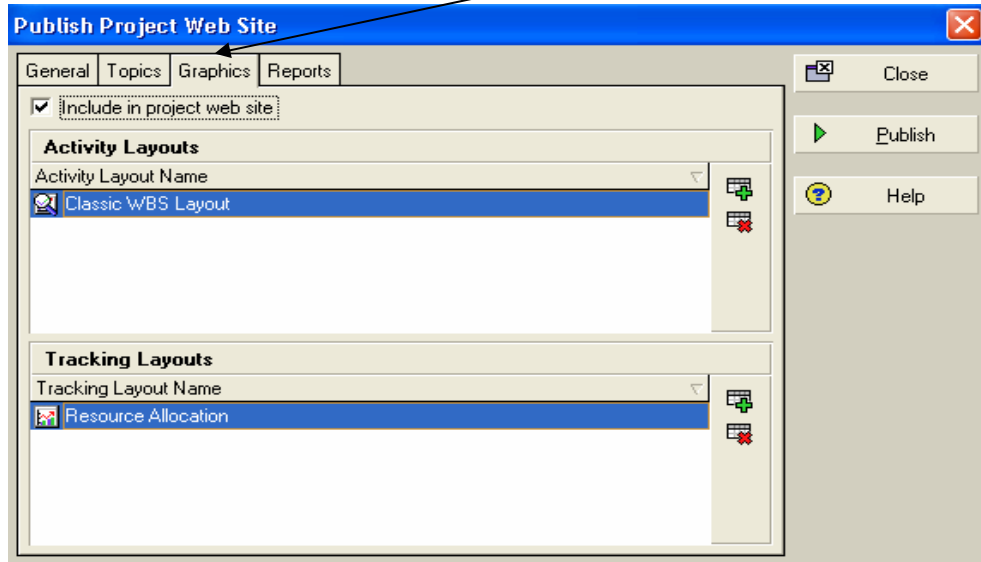
Publish



**Topics**



**Graphics**



Tracking

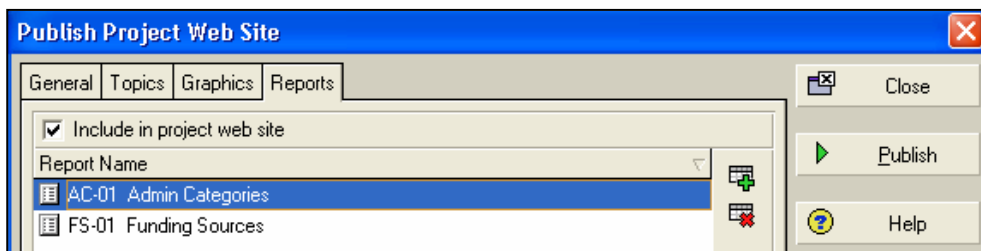
Layouts



Layout

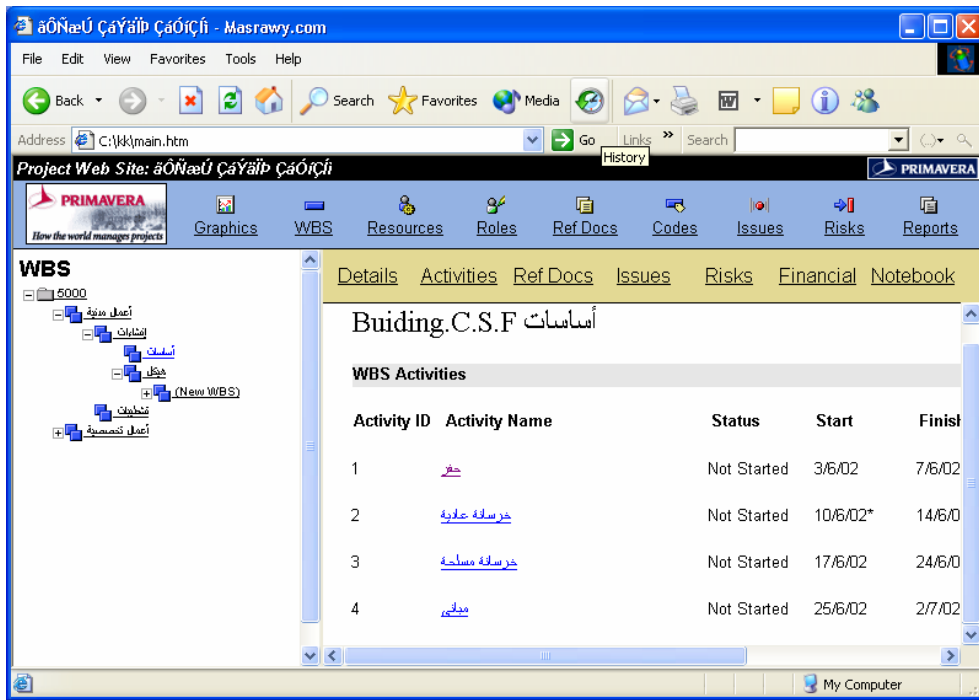
Layout

**Report**



## Publish

: Netscape Internet Explorer





التقارير

---

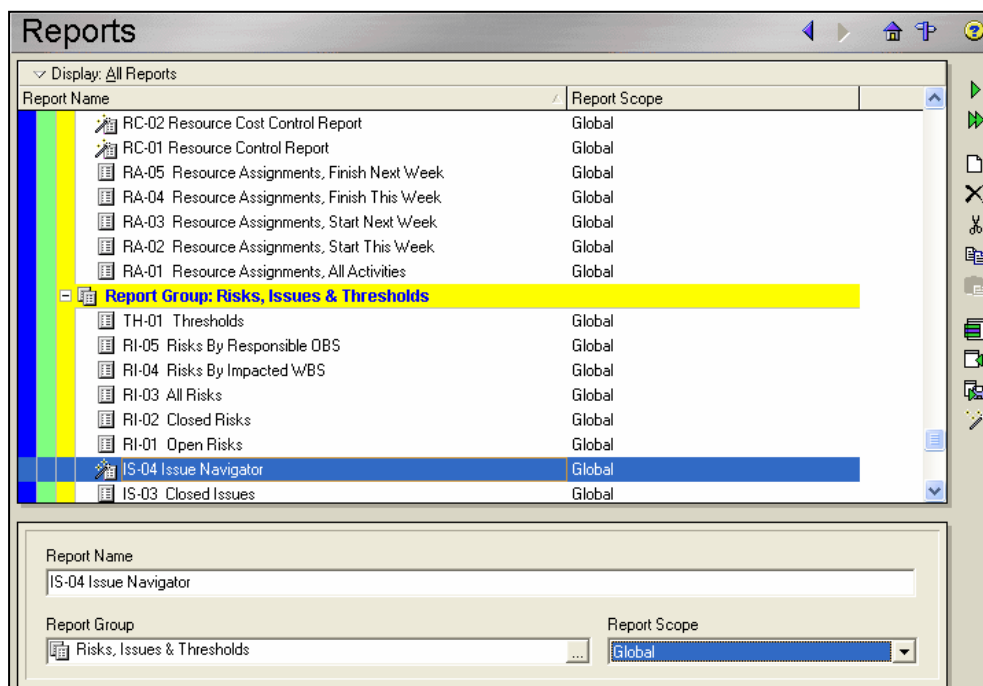
## Reports

P3e

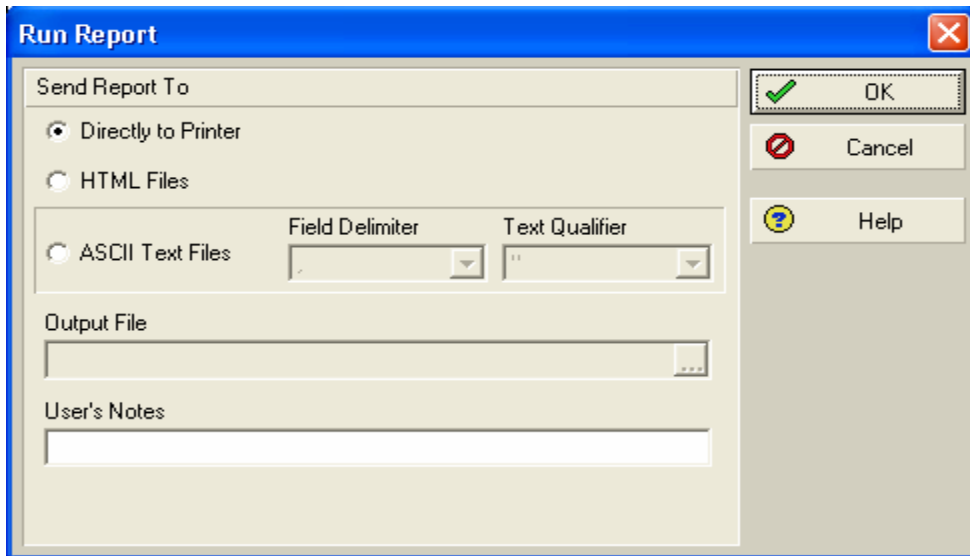
P3e

: \_\_\_\_\_

Reports    Reports    Tools



:



:

**Directly to printer**

HTML

HTML

Output File

ASCII

**ASCII Text File**

Output File

ASCII

OK

Print Preview

Report Date: 3/4/02 Project Start: 3/6/02  
Project File: 12/7/02  
Date Time: 1:57 PM

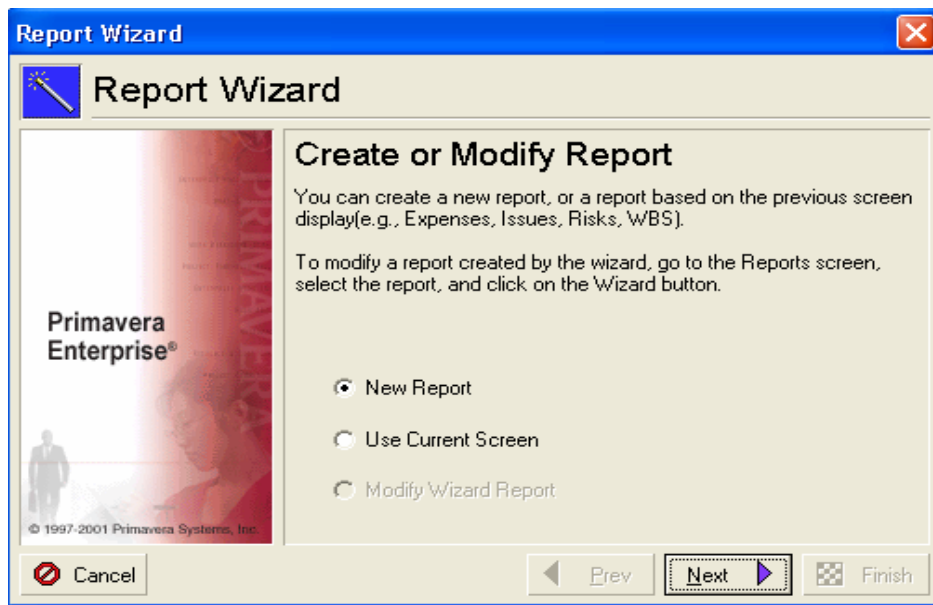
### RA-02 Resource Assignments, Start This Week

User's Notes:

Resource Project Code	Resource Name WBS Code	Activity Code	Activity	Planned Units	Planned	Planned Start	Planned Finish
<b>JA John Adams</b>							
D&M	D&M	(D&M)	(Design & Manufacture)	Total	171	10/99	3/4/00
					171	10/99	
<b>AJ Andy Jackson</b>							
D&M	D&M	(D&M)	(Design & Manufacture)	Total	45		3/10/99
					45		
<b>JF Joe Ford</b>							
D&M	D&M	(D&M)	(Design & Manufacture)	Total	134		3/4/00
					134		
<b>MYB Mary Van Buren</b>							
D&M	D&M	(D&M)	(Design & Manufacture)	Total	161		10/10/99
					161		
<b>PR Pat Polk</b>							
Design	Design	(Design)	(Design Templates)	Total	81		2/6/00
					81		
<b>BP Bob Pierce</b>							

( )

Report Wizard Reports Tools  
Wizard



: Wizard

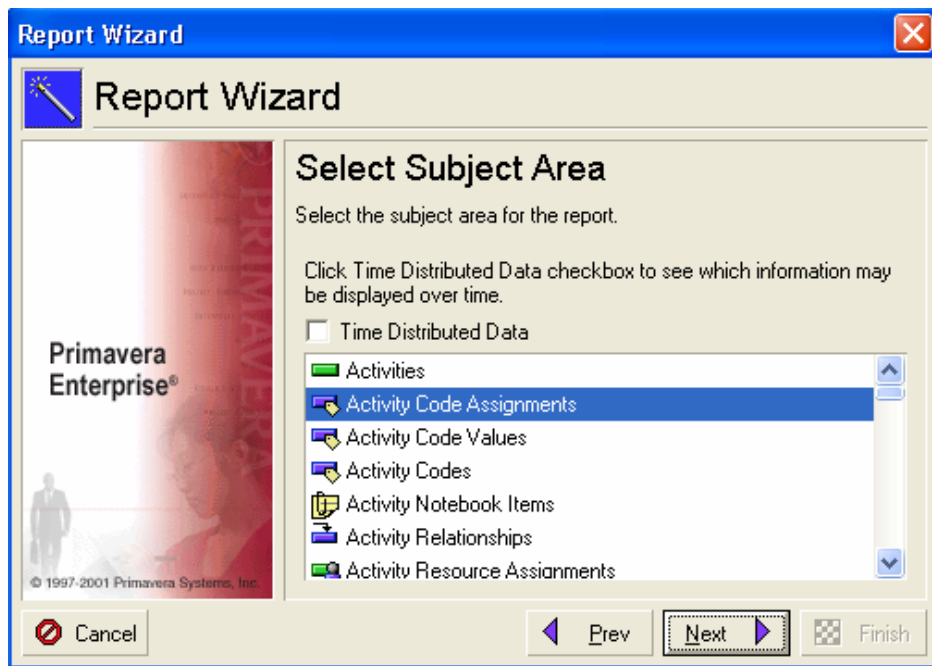
**New Report**

**Use Current Screen**

Threshold

Threshold

Report Wizard : Modify Wizard Report  
Next

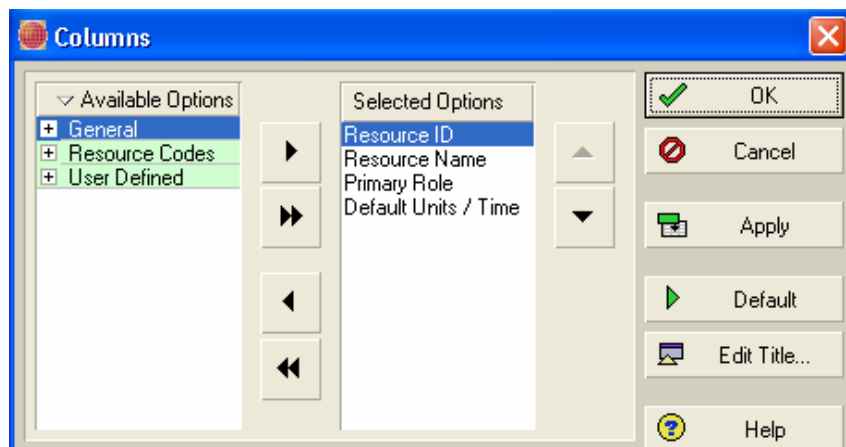


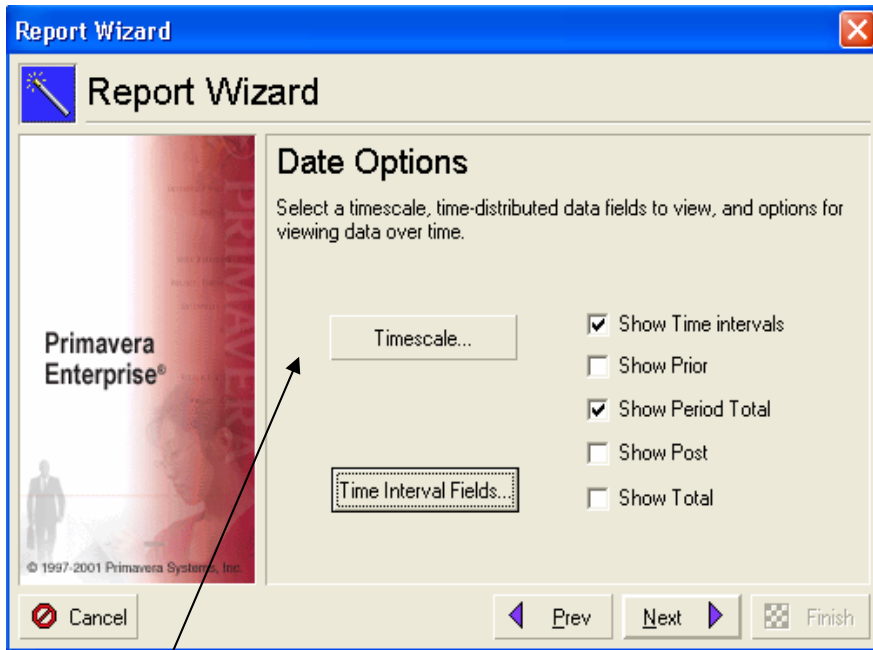
Resources ..... :  
Time Distributed : Data  
Next

## Field



Next OK





Timescale

Bar Chart

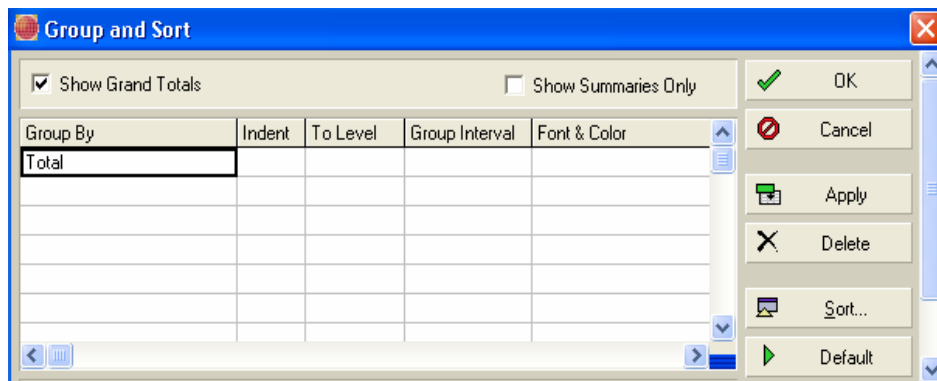
Time Interval Fields

Next



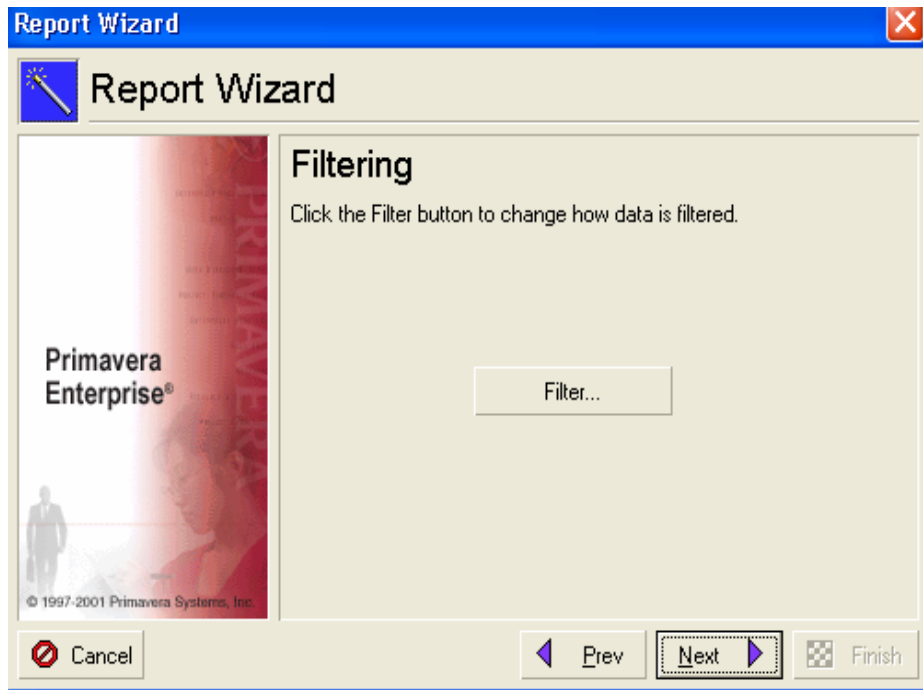
### Group & Sort

( )



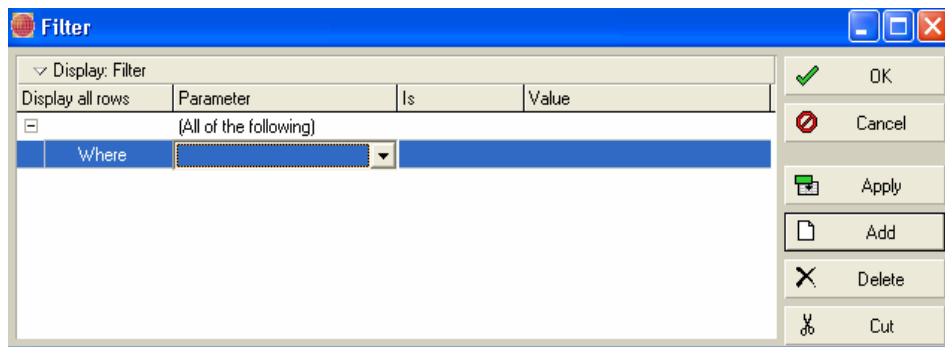
Next

Ok



Filter

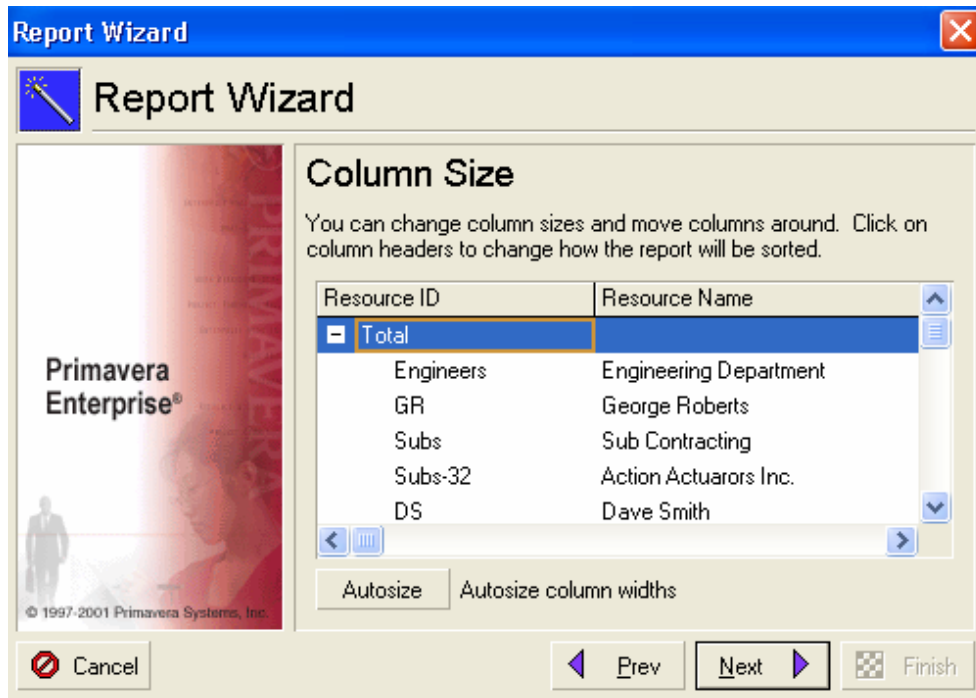
Filter



Next

Ok

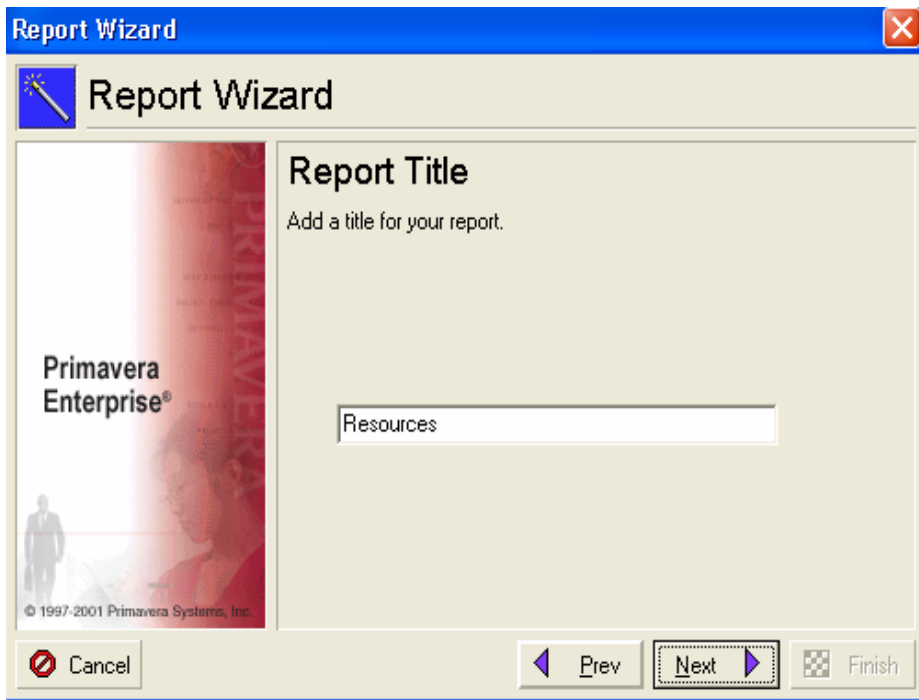
Filter



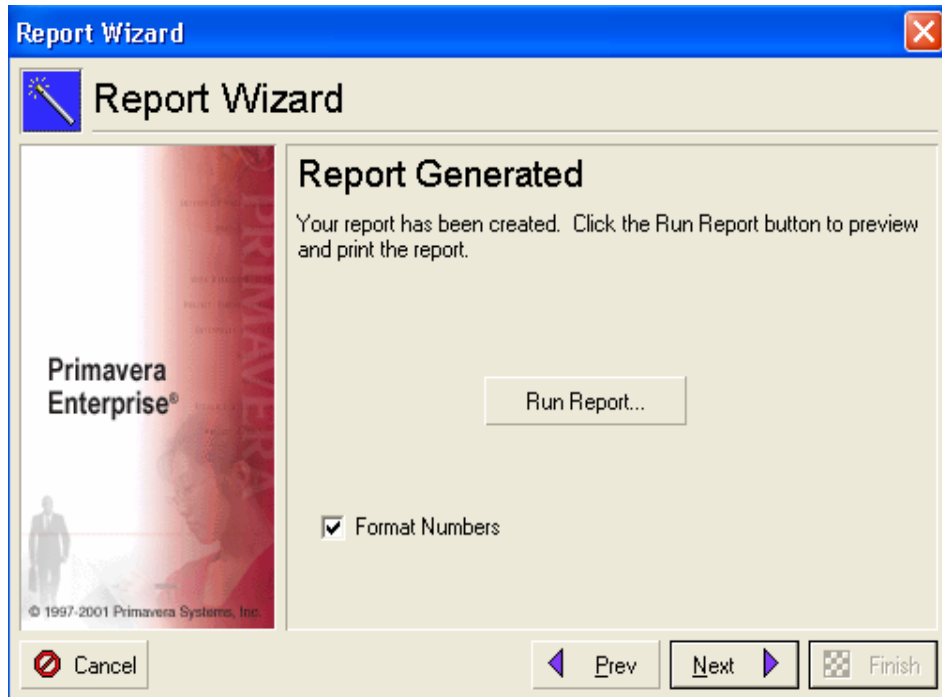
Autosize

:

Next



Next

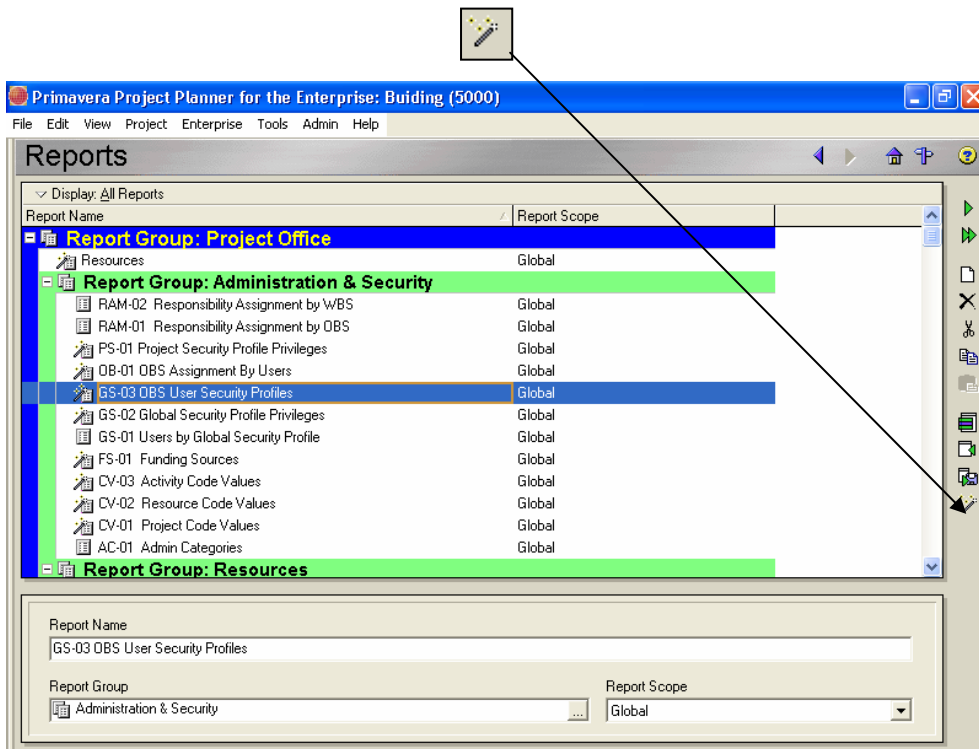


Next

Run  
Finish

: \_\_\_\_\_

Reports   Reports   Tools  
Wizard



Report Editor

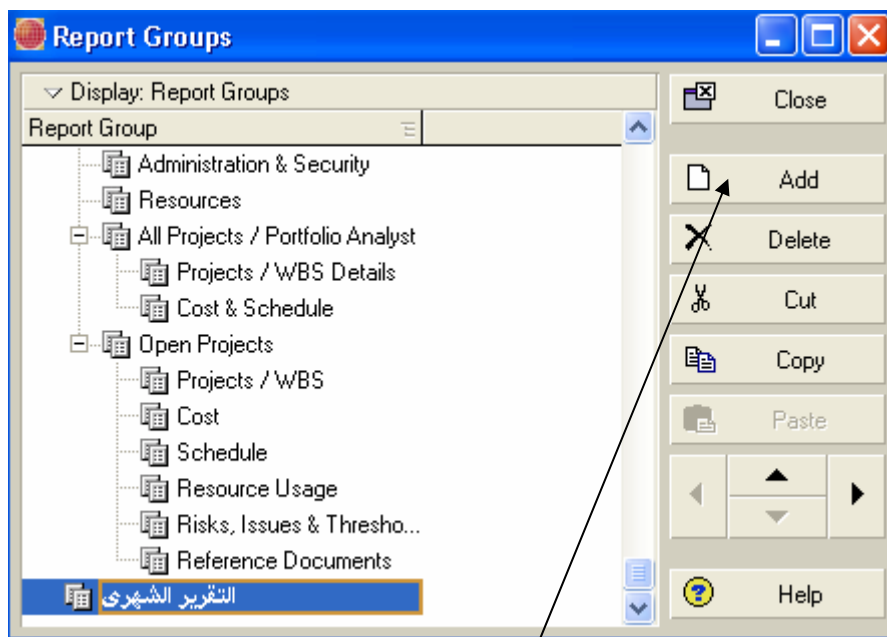


Report Editor

## Report Groups

---

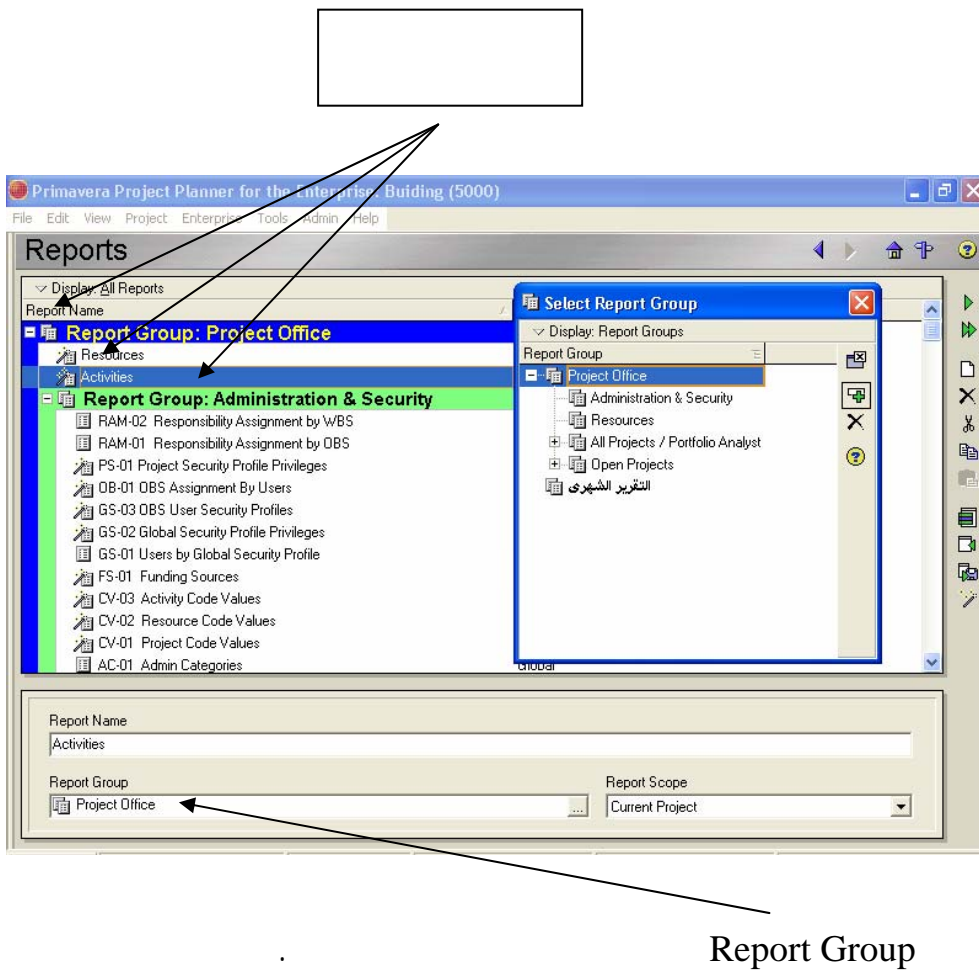
Report Group   Reports   Tools



Add

Groups

:



## Batch Reports

### Batch Reports

Batch Reports   Reports   Tools   Batch Reports



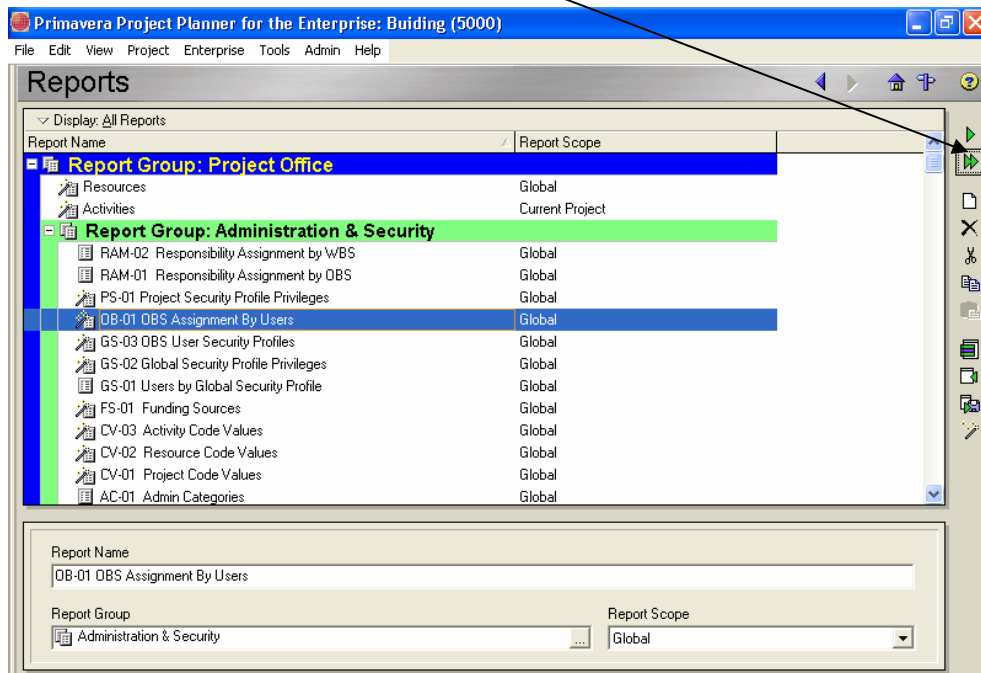
Batch   Add   Batch

Assign   Batch



Run Batch

Batch Reports



Batches