

# MS Project Professional 2021

## Tutorial #4 – Resource Pool

CS 587 – Software Project Management

Dr. Atef Bader

Illinois Institute of Technology


















# Resource pool project and Sharer project



























- **Resource pool project** - The project containing the resources that you want to share.
- **Sharer project** - The project that will share resources from another project.

# Tasks for both projects

## Resource pool project

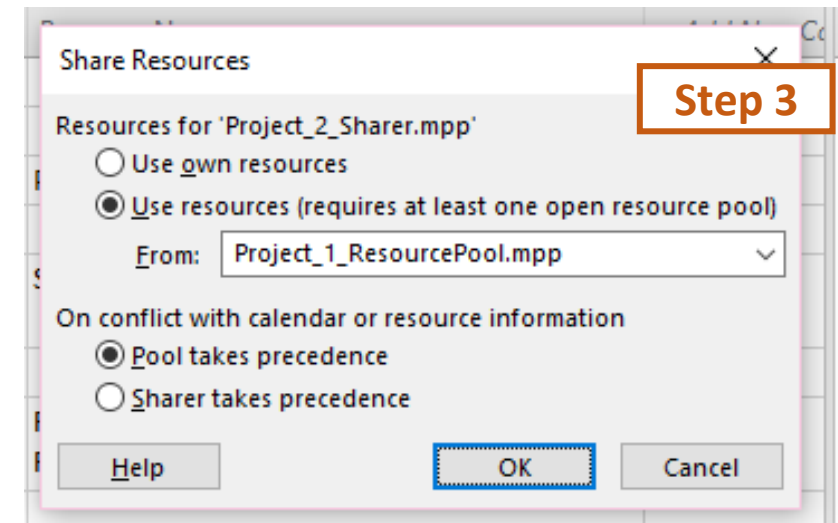
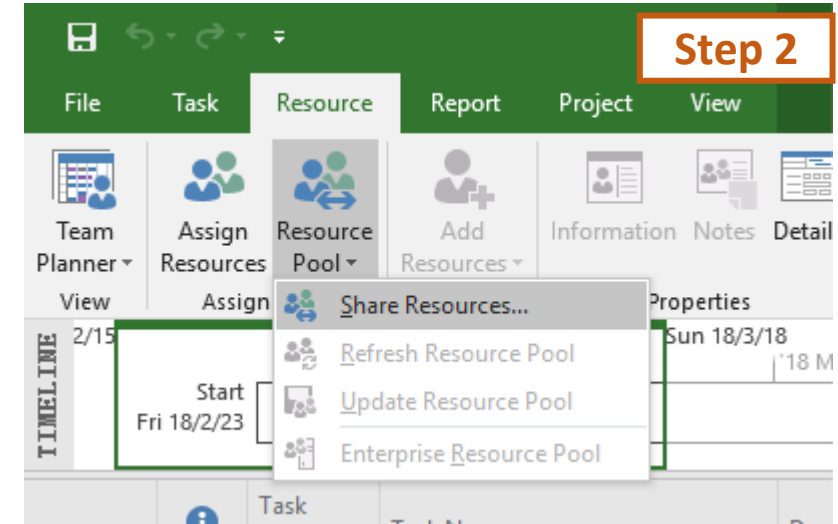
		Task Mode ▾	Task Name ▾	WBS ▾	Duration ▾	Start ▾	Finish ▾
1			Project1_ResourcePool	1	149 days	Wed 9/11/24	Mon 4/7/25
2			Project Plan	1.1	11 days	Wed 9/11/24	Wed 9/25/24
3			Write Plan	1.1.1	5 days	Wed 9/11/24	Tue 9/17/24
4			Review Plan	1.1.2	5 days	Wed 9/18/24	Tue 9/24/24
5			Preparation for review	1.1.2.1	3 days	Wed 9/18/24	Fri 9/20/24
6			Review Meeting	1.1.2.2	2 days	Mon 9/23/24	Tue 9/24/24
7			Rework	1.1.3	1 day	Wed 9/25/24	Wed 9/25/24
8			Risk Mitigation and Contingency Plan	1.2	8 days	Thu 9/26/24	Mon 10/7/24
9			Write Plan	1.2.1	2 days	Thu 9/26/24	Fri 9/27/24
10			Review Plan	1.2.2	5 days	Mon 9/30/24	Fri 10/4/24
11			Preparation for review	1.2.2.1	3 days	Mon 9/30/24	Wed 10/2/24
12			Review Meeting	1.2.2.2	2 days	Thu 10/3/24	Fri 10/4/24
13			Rework	1.2.3	1 day	Mon 10/7/24	Mon 10/7/24
14			Requirement	1.3	18 days	Tue 10/8/24	Thu 10/31/24
15			Write requirements	1.3.1	3 days	Tue 10/8/24	Thu 10/10/24
16			Write Use Case Model	1.3.2	2 days	Fri 10/11/24	Mon 10/14/24
17			Review Requirements/ Use Case Model	1.3.3	11 days	Tue 10/15/24	Tue 10/29/24
18			Preparation for review( Requirements)	1.3.3.1	3 days	Tue 10/15/24	Thu 10/17/24
19			Preparation for review( UseCases)	1.3.3.2	4 days	Fri 10/18/24	Wed 10/23/24
20			Review Meeting(Requirements)	1.3.3.3	2 days	Thu 10/24/24	Fri 10/25/24
21			Review Meeting(UseCases)	1.3.3.4	2 days	Mon 10/28/24	Tue 10/29/24
22			Rework	1.3.4	2 days	Wed 10/30/24	Thu 10/31/24
23			Analysis	1.4	13 days	Fri 11/1/24	Tue 11/19/24
24			Write Analysis Document	1.4.1	1 day	Fri 11/1/24	Fri 11/1/24
25			Review Analysis Document	1.4.2	7 days	Mon 11/4/24	Tue 11/12/24
26			Preparation for Analysis Document	1.4.2.1	3 days	Mon 11/4/24	Wed 11/6/24

## Sharer project

		Task Mode ▾	Task Name ▾	WBS ▾	Duration ▾	Start ▾	Finish ▾
1			Project2_Sharer	1	179 days	Tue 10/3/23	Fri 6/7/24
2			Project Plan	1.1	10 days	Tue 10/3/23	Mon 10/16/23
3			Write Plan	1.1.1	3 days	Tue 10/3/23	Thu 10/5/23
4			Review Plan	1.1.2	5 days	Fri 10/6/23	Thu 10/12/23
5			Preparation for review	1.1.2.1	2 days	Fri 10/6/23	Mon 10/9/23
6			Review Meeting	1.1.2.2	3 days	Tue 10/10/23	Thu 10/12/23
7			Rework	1.1.3	2 days	Fri 10/13/23	Mon 10/16/23
8			Requirement	1.2	16 days	Tue 10/17/23	Tue 11/7/23
9			Write requirements	1.2.1	4 days	Tue 10/17/23	Fri 10/20/23
10			Review Requirements	1.2.2	9 days	Mon 10/23/23	Thu 11/2/23
11			Preparation for review	1.2.2.1	5 days	Mon 10/23/23	Fri 10/27/23
12			Review Meeting	1.2.2.2	4 days	Mon 10/30/23	Thu 11/2/23
13			Rework	1.2.3	3 days	Fri 11/3/23	Tue 11/7/23
14			Lab and Environment Setup	1.3	20 days	Wed 11/8/23	Tue 12/5/23
15			Hardware	1.3.1	13 days	Wed 11/8/23	Fri 11/24/23
16			Install Network Elements	1.3.1.1	7 days	Wed 11/8/23	Thu 11/16/23
17			Routers	1.3.1.1.1	3 days	Wed 11/8/23	Fri 11/10/23
18			Bridge	1.3.1.1.2	4 days	Mon 11/13/23	Thu 11/16/23
19			Install Server	1.3.1.2	3 days	Fri 11/17/23	Tue 11/21/23
20			Install Clients	1.3.1.3	3 days	Wed 11/22/23	Fri 11/24/23
21			Software	1.3.2	7 days	Mon 11/27/23	Tue 12/5/23
22			Install Development Tools	1.3.2.1	4 days	Mon 11/27/23	Thu 11/30/23
23			Install Testing Tools	1.3.2.2	3 days	Fri 12/1/23	Tue 12/5/23
24			Analysis/Design Document	1.4	12 days	Wed 12/6/23	Thu 12/21/23
25			Write DD	1.4.1	2 days	Wed 12/6/23	Thu 12/7/23

# Step to create a resource pool

- **Step 1**: Click the sharer project, remember to have the resource pool project also open.
- **Step 2**: On the Resource Tab, click **Resource Pool**, and then click **Share Resources**.
- **Step 3**: Specify the **resources** and **precedence** in the pop-up window, and then click OK.
- If your project already had resources entered, the resources from both the projects are combined.



# Handle conflicts

## **Pool takes precedence**

- Resource information in the resource pool project to override any conflicting information from the sharer project (default).
- For example, if the resource named Karen Berg has maximum units of 100% in the sharer project, and 75% in the resource pool project. If the pool takes precedence, then the value of 75% is retained as the maximum units for Karen Berg.

## **Sharer takes precedence**

- Resource information in the sharer project to override any conflicting information from the resource pool project.
- For example, if Karen Berg has a standard rate of \$50 in the sharer project, and a standard rate of \$45 in the resource pool project. If sharer takes precedence, the value of \$50 is retained as the standard rate for Karen Berg.

# Resources for both projects

## Resource pool project

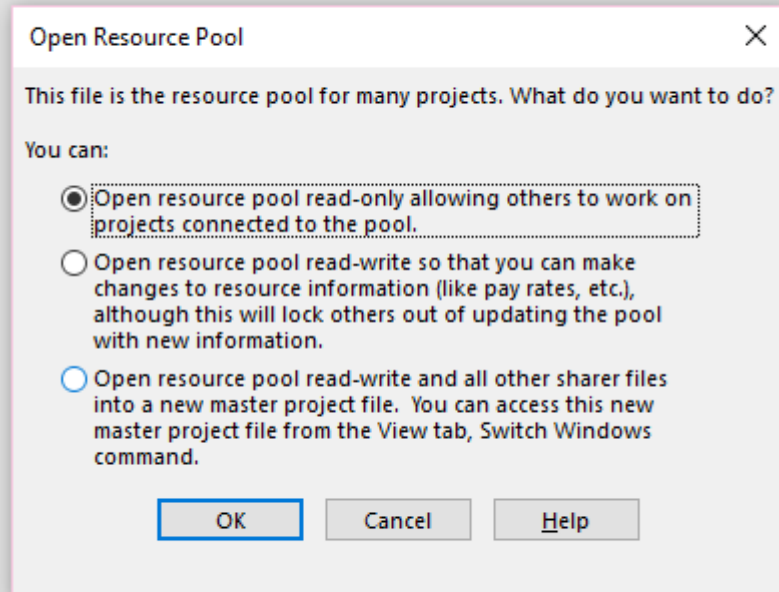
Project_1_ResourcePool.mpp - Project Professional												
Resource Sheet Tools												
File Task Resource Report Project View Format Tell me what you want to do												
Team Planner View Assign Resources Add Resources Information Notes Details Level Selection Level Resource Level All Level Next Overallocation Clear Leveling												
18 Feb 25 18 Mar 11 18 Mar 25 18 Apr 8 18 Apr 22 18 May 6 18 May 20 18 Jun 3 18 Jun 17 18 Jul 1												
Start Fri 18/2/23 Project_1_ResourcePool Fri 18/2/23 - Thu 18/10/18												
TIMELINE												
Add tasks with dates to the timeline												
1	2	3	4	5	6	7	8	9	10	11	12	13
Resource Name	Type	Material	Initials	Group	Max.	Std. Rate	Ovt. Rate	Cost/Use	Accrue	Base Calendar		
Requirement Engineer11	Work		RE11		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Requirement Engineer21	Work		RE21		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Programmer12	Work		P12		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Tester2	Work		T2		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Project Manager 2	Work		P2		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Requirement Engineer 9	Work		RE9		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Requirement Engineer 12	Work		RE12		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Requirement Engineer 13	Work		RE13		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
System Engineer 8	Work		SE8		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
System Engineer 9	Work		SE9		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
System Engineer 11	Work		SE11		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Programmer23	Work		P23		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Programmer24	Work		P24		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Test Engineer 54	Work		TE54		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Test Engineer 55	Work		TE55		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Test Engineer 56	Work		TE56		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Test Engineer 53	Work		TE53		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Documentation Engineer 12	Work		DE12		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Requirement Engineer1	Work		RE1		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Programmer 24	Work		P24		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Programmer 25	Work		P25		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
System Engineer 1	Work		SE1		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
System Engineer 3	Work		SE3		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
System Engineer 4	Work		SE4		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Programmer/Software Engineer	Work		P23		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Programmer/Software Engineer	Work		P24		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Project Manager 3	Work		P3		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		

## Sharer project

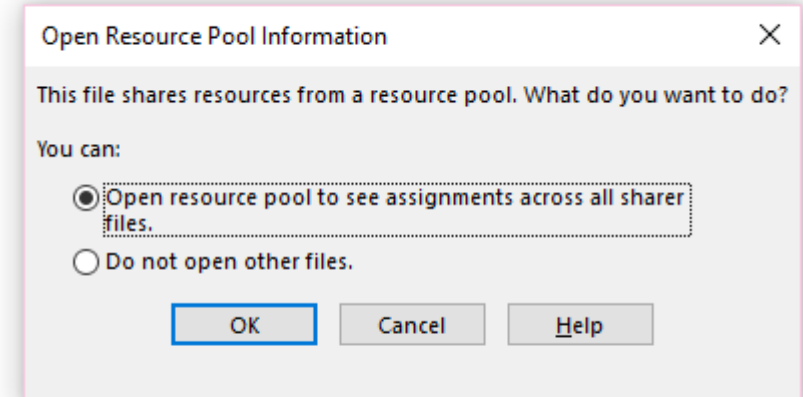
Project_2_Sharer.mpp - Project Professional												
Resource Sheet Tools												
File Task Resource Report Project View Format Tell me what you want to do												
Team Planner View Assign Resources Add Resources Information Notes Details Level Selection Level Resource Level All Level Next Overallocation Clear Leveling												
18 Feb 25 18 Mar 11 18 Mar 25 18 Apr 8 18 Apr 22 18 May 6 18 May 20 18 Jun 3 18 Jun 17 18 Jul 1												
Start Fri 18/2/23 Project_2_Sharer Fri 18/2/23 - Thu 18/10/18												
TIMELINE												
Add tasks with dates to the timeline												
1	2	3	4	5	6	7	8	9	10	11	12	13
Resource Name	Type	Material	Initials	Group	Max.	Std. Rate	Ovt. Rate	Cost/Use	Accrue	Base Calendar		
Requirement Engineer11	Work		RE11		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Requirement Engineer21	Work		RE21		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Programmer12	Work		P12		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Tester2	Work		T2		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Project Manager 2	Work		P2		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Requirement Engineer 9	Work		RE9		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Requirement Engineer 12	Work		RE12		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Requirement Engineer 13	Work		RE13		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
System Engineer 8	Work		SE8		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
System Engineer 9	Work		SE9		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
System Engineer 11	Work		SE11		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Programmer23	Work		P23		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Programmer24	Work		P24		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Test Engineer 54	Work		TE54		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Test Engineer 55	Work		TE55		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Test Engineer 56	Work		TE56		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Test Engineer 53	Work		TE53		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Documentation Engineer 12	Work		DE12		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Requirement Engineer1	Work		RE1		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Programmer 24	Work		P24		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Programmer 25	Work		P25		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
System Engineer 1	Work		SE1		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
System Engineer 3	Work		SE3		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
System Engineer 4	Work		SE4		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Programmer/Software Engineer	Work		P23		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Programmer/Software Engineer	Work		P24		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		
Project Manager 3	Work		P3		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard		

# Open the projects

## Open the resource pool



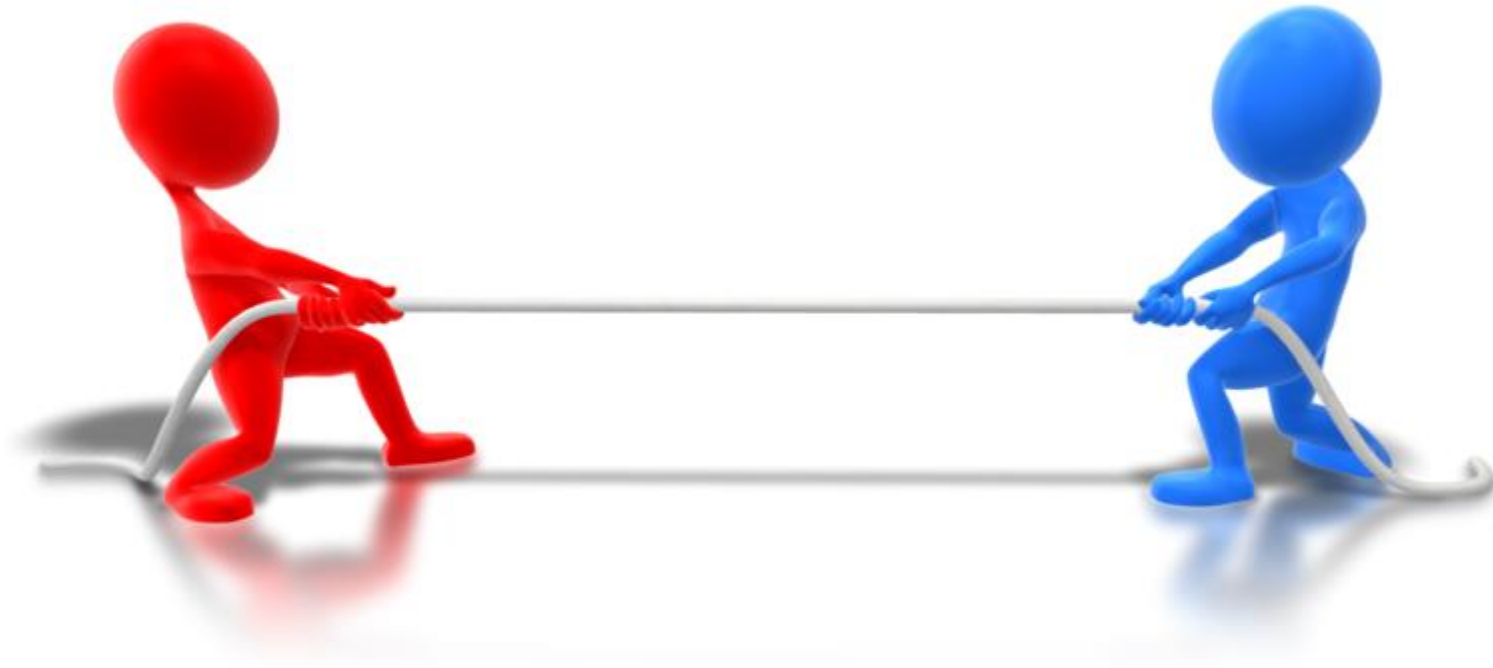
## Open the sharer





# Handle the conflicts



























Conflicts can happen when two or more tasks are done in parallel, and the same resource is assigned to work on all the tasks simultaneously.





# Handle the conflicts






- View conflicts

	 Task Mode	Task Name	WBS	Duration	Start	Finish	Predecessors	Resource
1		Project1_ResourcePool	1	149 days	Thu 9/21/23	Tue 4/16/24		
2		Project Plan	1.1	11 days	Thu 9/21/23	Thu 10/5/23		
3		Write Plan	1.1.1	5 days	Thu 9/21/23	Wed 9/27/23		SE13,PM2
4		Review Plan	1.1.2	5 days	Thu 9/28/23	Wed 10/4/23	3	
5		Preparation for review	1.1.2.1	3 days	Thu 9/28/23	Mon 10/2/23	3	PE1,PE2,SE13
6		Review Meeting	1.1.2.2	2 days	Tue 10/3/23	Wed 10/4/23	5	DE1,PE1,PE2
7		Rework	1.1.3	1 day	Thu 10/5/23	Thu 10/5/23	6	SE13
8		Risk Mitigation and Contingency Plan	1.2	8 days	Fri 10/6/23	Tue 10/17/23	7	
9		Write Plan	1.2.1	2 days	Fri 10/6/23	Mon 10/9/23	7	SE13
10		Review Plan	1.2.2	5 days	Tue 10/10/23	Mon 10/16/23	9	
11		Preparation for review	1.2.2.1	3 days	Tue 10/10/23	Thu 10/12/23	9	DE1,PE1,PE2
12		Review Meeting	1.2.2.2	2 days	Fri 10/13/23	Mon 10/16/23	11	DE1,PE1,PE2
13		Rework	1.2.3	1 day	Tue 10/17/23	Tue 10/17/23	12	SE13
14		Requirement	1.3	18 days	Wed 10/18/23	Fri 11/10/23	13,7	
15		Write requirements	1.3.1	3 days	Wed 10/18/23	Fri 10/20/23	13,7	PE22,RE2,SE13
16		Write Use Case Model	1.3.2	2 days	Mon 10/23/23	Tue 10/24/23	15	RE8,PE22,SE13
17		Review Requirements/ Use Case Model	1.3.3	11 days	Wed 10/25/23	Wed 11/8/23	16	
18		Preparation for review( Requirements)	1.3.3.1	3 days	Wed 10/25/23	Fri 10/27/23	16	DE1,PE1,SE13
19		Preparation for review( UseCases)	1.3.3.2	4 days	Mon 10/30/23	Thu 11/2/23	18	DE2,PE2,SE13
20		Review Meeting(Requirements)	1.3.3.3	2 days	Fri 11/3/23	Mon 11/6/23	19	DE1,PE1,SE13
21		Review Meeting(UseCases)	1.3.3.4	2 days	Tue 11/7/23	Wed 11/8/23	20	DE2,PE2,SE13
22		Rework	1.3.4	2 days	Thu 11/9/23	Fri 11/10/23	21	PE22,RE2,SE13
23		Analysis	1.4	13 days	Mon 11/13/23	Wed 11/29/23	22	
24		Write Analysis Document	1.4.1	1 day	Mon 11/13/23	Mon 11/13/23	22	SE1,SE2,SE13
25		Review Analysis Document	1.4.2	7 days	Tue 11/14/23	Wed 11/22/23	24	

View in Gantt Chart

# Handle the conflicts

- View conflicts

		Resource Name	Type	Material	Initials	Group	Max.	Std. Rate	Ovt. Rate	Cost/Use	Accrue	Base
19		SE13	Work		SE13		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
20		PE1	Work		PE1		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
21		PE2	Work		PE2		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
22		PE3	Work		PE3		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
23		PE4	Work		PE4		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
24		PE22	Work		PE22		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
25		PE23	Work		PE23		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
26		PE24	Work		PE24		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
27		PE25	Work		PE25		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
28		PE26	Work		PE26		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
29		PE27	Work		PE27		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
30		TE1	Work		TE1		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
31		TE2	Work		TE2		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
32		TE3	Work		TE3		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
33		TE4	Work		TE4		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
34		TE44	Work		TE44		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
35		TE45	Work		TE45		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
36		TE46	Work		TE46		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
37		TE47	Work		TE47		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
38		DE1	Work		DE1		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
39		DE2	Work		DE2		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
40		DE3	Work		DE3		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
41		DE4	Work		DE4		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
42		DE5	Work		DE5		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
43		RE50	Work		RE50		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
44		RE51	Work		RE51		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
45		RE52	Work		RE52		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
46		RE53	Work		RE53		100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard

[View in Resource Sheet](#)

# How to resolve conflicts ?

There are two ways to solve conflicts:

- **Strategy 1**

Allocate 50% (or any %) units of resource to one project and the remaining units to the other project.

- **Strategy 2**

Assign 100% units of resource to both projects, but at different time slots.



**Note:** The above strategies can be used for solving conflicts within the same project.

# Strategy 1

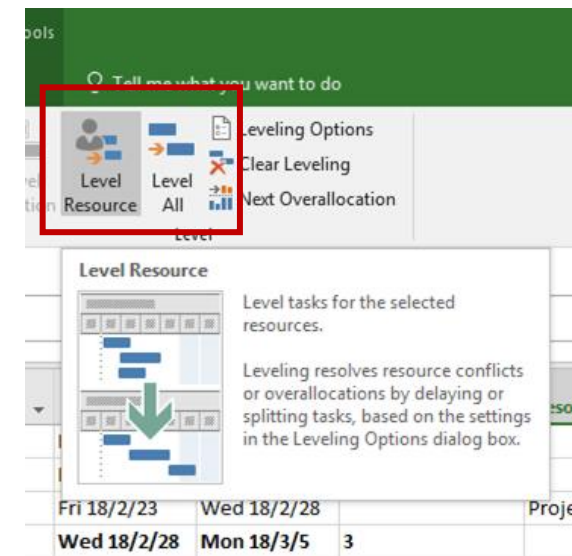
- **Step 1**: Select the task that has conflicts
- **Step 2**: Double click the resources
- **Step 3**: Change the percentage

	Task Mode	Task Name	WBS	Duration	Start	Finish	Predecessors	Resource Names
1		Project1_ResourcePool	1	149 days	Mon 2/6/23	Thu 8/31/23		
2		Project Plan	1.1	11 days	Mon 2/6/23	Mon 2/20/23		
3		Write Plan	1.1.1	5 days				
4		Review Plan	1.1.2	5 days				
5		Preparation for review	1.1.2.1	3 days				
6		Review Meeting	1.1.2.2	2 days				
7		Rework	1.1.3	1 day				
8		Risk Mitigation and Contingency Plan	1.2	8 days				
9		Write Plan	1.2.1	2 days				
10		Review Plan	1.2.2	5 days				
11		Preparation for review	1.2.2.1	3 days				
12		Review Meeting	1.2.2.2	2 days				
13		Rework	1.2.3	1 day				
14		Requirement	1.3	18 days				
15		Write requirements	1.3.1	3 days				
16		Write Use Case Model	1.3.2	2 days				
17		Review Requirements/ Use Case Model	1.3.3	11 days				
18		Preparation for review( Requirements)	1.3.3.1	3 days				
19		Preparation for review( UseCases)	1.3.3.2	4 days				
20		Review Meeting(Requirements)	1.3.3.3	2 days				
21		Review Meeting(UseCases)	1.3.3.4	2 days				
22		Rework	1.3.4	2 days	Mon 3/27/23	Tue 3/28/23	21	PE22,RE2,RE10,RE3,RE8
23		Analysis	1.4	13 days	Wed 3/29/23	Fri 4/14/23	22	
24		Write Analysis Document	1.4.1	1 day	Wed 3/29/23	Wed 3/29/23	22	SE1,SE2,SE3,SE4,SE8

# Strategy 2

- **Step 1:** Select the task that has a conflict.
- **Step 2:** On the Resource Tab, click on “Level Resource”.
- **Step 3:** Select the responsible resources.
- **Step 4:** Click on “Level now”.

	Task Mode	Task Name	WBS	Duration	Start	Finish	Predecessors	Resource Names
1		Project1_ResourcePool	1	149 days	Mon 2/6/23	Thu 8/31/23		
2		Project Plan	1.1	11 days	Mon 2/6/23	Mon 2/20/23		
3		Write Plan	1.1.1	5 days	Mon 2/6/23	Fri 2/10/23		SE13,PM2
4		Review Plan	1.1.2	5 days				
5		Preparation for review	1.1.2.1	3 days				PE1,SE1,TE1,PM3,DE5
6		Review Meeting	1.1.2.2	2 days				DE1,PE1,SE1,TE1,SE13
7		Rework	1.1.3	1 day				SE13
8		Risk Mitigation and Contingency Plan	1.2	8 days				
9		Write Plan	1.2.1	2 days				SE13
10		Review Plan	1.2.2	5 days				
11		Preparation for review	1.2.2.1	3 days				DE1,PE1,PE22,SE1,TE1
12		Review Meeting	1.2.2.2	2 days				DE1,PE1,PE22,SE1,TE1,SE13
13		Rework	1.2.3	1 day				SE13
14		Requirement	1.3	18 days				
15		Write requirements	1.3.1	3 days				PE22,RE2,RE3,RE8,RE9,RE10
16		Write Use Case Model	1.3.2	2 days				RE8,PE22,RE2,RE3,RE9,RE10
17		Review Requirements/ Use Case Model	1.3.3	11 days				
18		Preparation for review( Requirements)	1.3.3.1	3 days				DE1,PE1,SE1,TE1
19		Preparation for review( UseCases)	1.3.3.2	4 days				DE2,PE2,SE2,TE2
20		Review Meeting(Requirements)	1.3.3.3	2 days				DE1,PE1,SE1,TE1,RE3
21		Review Meeting(UseCases)	1.3.3.4	2 days	Thu 3/23/23	Fri 3/24/23	20	DE2,PE2,SE2,TE2,RE10
22		Rework	1.3.4	2 days	Mon 3/27/23	Tue 3/28/23	21	PE22,RE2,RE10,RE3,RE8
23		Analysis	1.4	13 days	Wed 3/29/23	Fri 4/14/23	22	



**Note:** The tasks in the project having precedence will start at the scheduled time. The tasks in the project **NOT** having precedence will be delayed until the resource is available to work on that task.

Questions ?