

Overview

This Job Aid defines the steps to follow for Managing Resource Capacity and Demand in Sensei IQ. Resource Capacity is calculated at the individual resource level based on the work hours defined by the resource's enterprise calendar and any resource exceptions for non-working time, such as vacations. Resource Demand is defined by the Project Resource Requests which identify all the resources, either Generic or Named, and the level of effort required for each to complete the project. This Job Aid is focused on ensuring that project resource requests are approved based on availability of resources and the ongoing monitoring of resource utilization in the organization to optimize resource assignments for your entire team.

There are two (2) actions required for managing resource capacity and demand. Both should be applied consistent with your organization's policies for resource capacity and demand management.

1. Review and Approve Resource Requests
2. Identify and Resolve Resource Overallocations

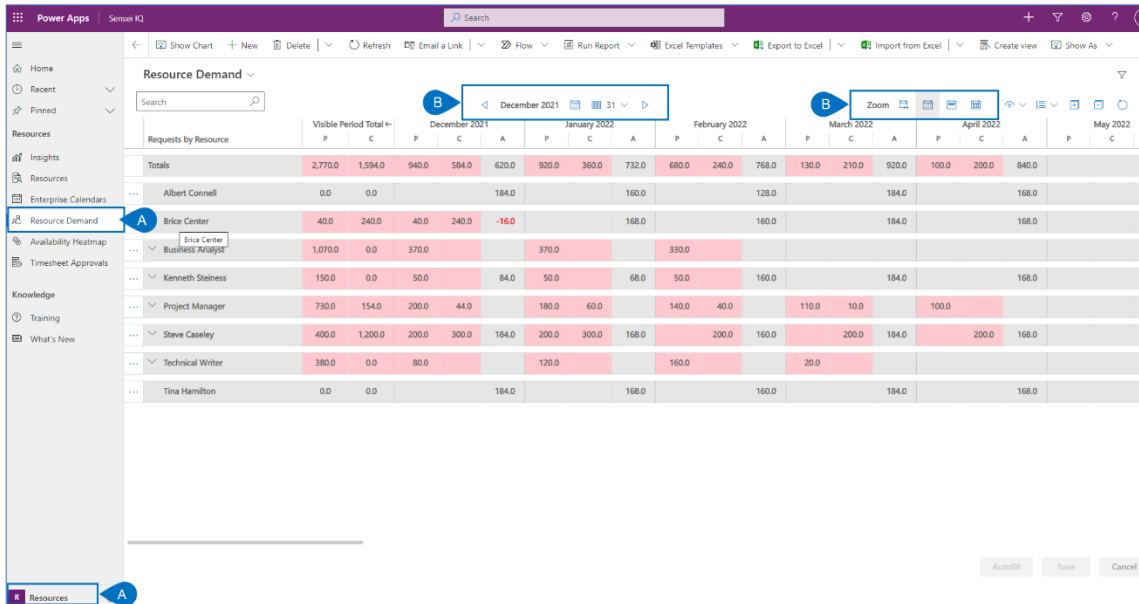
Review and Approve Resource Requests

 Resource Manager

 Resources

1. REVIEW AND APPROVE RESOURCE REQUESTS

- a. Ensure you are in the **Resources area**, click **Resource Demand** in the **Resources** section.
- b. Use the buttons on the **sub-grid tool bar** to define **the start date, number of periods and view zoom level** (typically monthly).



Requests by Resource	Visible Period Total		December 2021			January 2022			February 2022			March 2022			April 2022			May 2022			
	P	C	P	C	A	P	C	A	P	C	A	P	C	A	P	C	A	P	C	A	
Totals	2,770.0	1,594.0	940.0	584.0	620.0	920.0	360.0	732.0	680.0	240.0	768.0	130.0	210.0	920.0	100.0	200.0	840.0				
Albert Connell	0.0	0.0			184.0			160.0			128.0			184.0			168.0				
Erica Center Business Manager	40.0	240.0	40.0	240.0	16.0			168.0			160.0			184.0			168.0				
Kenneth Steiness	1,070.0	0.0	370.0			370.0		330.0													
Project Manager	150.0	0.0	50.0		84.0	50.0		68.0	50.0		160.0			184.0			168.0				
Steve Caseley	730.0	154.0	200.0	44.0		180.0	60.0		140.0	40.0		110.0	10.0		100.0						
Technical Writer	400.0	1,200.0	200.0	300.0	184.0	200.0	300.0	168.0		200.0	160.0		200.0	184.0		200.0	168.0				
Tina Hamilton	380.0	0.0	80.0			120.0		160.0			160.0		20.0								
Tina Hamilton	0.0	0.0			184.0			168.0			160.0			184.0			168.0				

Note - This date range not only sets the visible time periods on the screen, it is also used by the resource availability heat map for each named resource to help you quickly validate that resource's availability and constrains dates used by the Autofill and Resource allocation functionality.

- c. For all **resource requests** that require **approval and/or replacement** of a generic resource with a named resource, **expand the resource** to see the list of the **projects** requesting this resource.

...	Technical Writer	380.0	0.0	80.0	
...	Composite Track Engi...	380.0		80.0	

- d. Click the **ellipsis** to the left of the project request and select **Add Resource**.

...	Technical Writer	380.0	0.0	80.0	
...	Composite Track Engi...	380.0		80.0	
	Open Project	0.0	0.0		
	Add Resource				

- e. Select the **most appropriate resource** from your team who has the **skills and availability** to work in the project,

...	Technical Writer				
...	Composite Track Engi...				
...	Select a resource				
Suggested resources					
	Brice Center	Business Analyst	5184 hrs		
	Deb Thomsen	Business Analyst	4190 hrs		
	Kenneth Steiness	Engineer	5184 hrs		
	Steve Caseley	Business Analyst	5384 hrs		
	Tina Hamilton	Project Manager	5384 hrs		

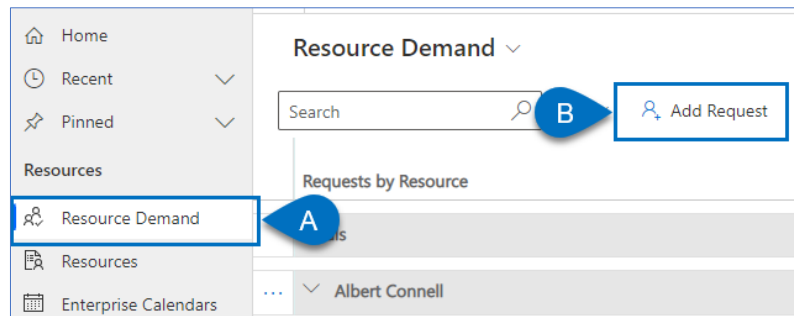
- f. This will automatically **commit the selected resource** to the project **based on availability and the request details**.
- g. **Adjust the committed hours** by adjusting the amount in any of the time-based **Committed** columns.

Requests by Resource	Visible Period Total		December 2021		January 2022		February 2022		March 2022		April 2022		May 2022				
	P	C	P	C	P	C	P	C	P	C	P	C	P	C			
Totals	2,770.0	1,894.0	940.0	584.0	620.0	920.0	480.0	612.0	680.0	400.0	608.0	130.0	230.0	900.0	100.0	200.0	840.0
Albert Connell	0.0	0.0			184.0		160.0		128.0		184.0			168.0			
Brice Center	40.0	240.0	40.0	240.0	-16.0		48.0		0.0		154.0		158.0				
Business Analyst	1,070.0	0.0	370.0			370.0		330.0									
Kenneth Steiness	190.0	0.0	50.0		84.0	50.0	68.0	50.0	160.0		184.0		168.0				
Project Manager	730.0	154.0	200.0	44.0		180.0	60.0	140.0	40.0	110.0	10.0	100.0					
Steve Casley	400.0	1,200.0	200.0	300.0	184.0	200.0	300.0	168.0		200.0	160.0	200.0	184.0	200.0	168.0		
Technical Writer	380.0	300.0	80.0	0.0		120.0	120.0	160.0	160.0	20.0	20.0						
Composite Track Eng...	380.0	300.0	80.0	0.0		120.0	120.0	160.0	160.0	20.0	20.0						
Brice Center		300.0		0.0	-16.0	120	48.0	160	0.0	20	164.0		168.0				
Tina Hamilton	0.0	0.0					168.0		160.0		184.0		168.0				

h. Click **Save** once all Resource Requests have been committed.

2. CREATE NEW RESOURCE REQUESTS

- Ensure you are in the **Resources** area, click **Resource Demand** in the **Resources** section.
- Select **Add Resource** from the sub-ribbon.



- Define the **project** the new resource requests are to be added to.
- Define the **resources** who will be added to the project.

e. Define the **number of hours** the resource will be committed to the project.

Requests by Resource	Visible Period Total		June 2022			July 2022			August 2022	
	P	C	P	C	A	P	C	A	P	C
Totals	750.0	650.0	150.0	90.0	1,406.0	250.0	205.0	1,323.0	350.0	355.0
Albert Connell	175.0	75.0	75.0	15.0	161.0	75.0	30.0	138.0	25.0	30.0
AA Tenant Renewal R300	0.0	0.0								

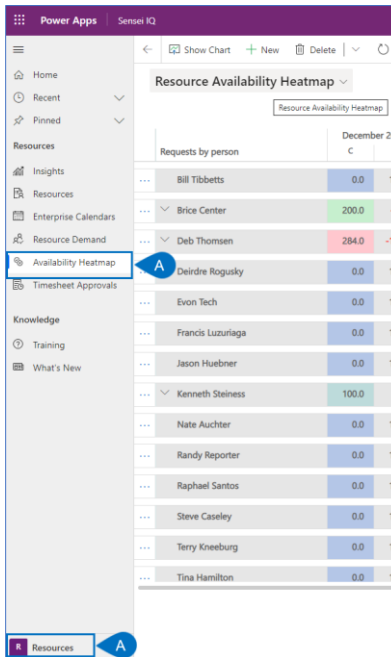
Identify and Resolve Resource Overallocations

Resource Manager

Resources

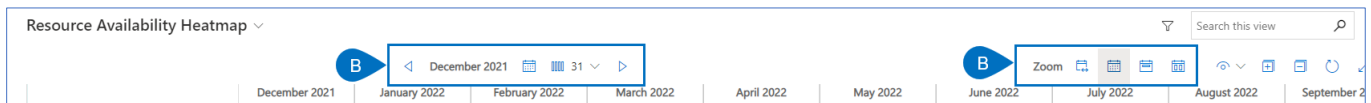
1. IDENTIFY AND RESOLVE RESOURCE OVERALLOCATIONS

a. Ensure you are in the **Resources area**, click **Availability Heatmap** in the **Resources** section.



Tip - First, it's important to understand the color coding of the heatmap. Starting at the overallocated end of the scale, any resource commitment that is more than 10% over the resource's capacity will be red and should be resolved. Resources that are between 100 and 110% of their capacity are dark green in recognition that a little over allocation is probably acceptable as resource requests are estimates only, and then on the underutilized side of things the color ranges from dark blue for not used at all to a lighter green for near full utilization.

b. Use the buttons on the **sub-grid tool bar** to define **the start date, number of periods and view zoom level** (typically monthly).



c. Review any **red or overallocated resources** by **hovering** over the red cells and **reviewing the calculations** to better understand the cause of the overallocation.

Resource Availability Heatmap

December 2021 January 2022

Requests by person	December 2021		January 2022	
	C	A	C	A
Bill Tibbetts	0.0	184.0	0.0	168.0
Brice Center	200.0	-16.0	0.0	168.0
Deb Thomsen	284.0		260.0	-92.0
Deirdre Rogusky	0.0			
Evon Tech	0.0			
Francis Luzuriaga				
Jason Huebner	0.0			
Kenneth Steiness	100.0			

Committed Hours = 260.0 hours

The Breakdown

Capacity	168.0 hours
Committed	- 260.0 hours
Availability	= -92.0 hours

Days with capacity: 21 days
 Percentage available: -55%
 Period Status: Set by approver

- d. Click the **ellipsis (...)** to the left of the **resource name** and select **Open Resource** and/or click the **ellipsis (...)** to the left of the **project name** and select **Open Project** to see more details about the resource's allocation.

...	Deb Thomsen	284.0
Open Resource	fact...	40.0
...	Halifax Data Cente...	200.0
...	Resource Requests	44.0

Note - The Availability Heatmap does not support updates as you will typically need to work with the project managers to identify the appropriate corrective actions to remove over-allocations by updating the resource requests to reduce hours for that resource and creating new resource requests for an under-allocated resource to keep the total level of resource commitment to the project consistent.