# **OmniPlan** for iPad

Manual version 1.1





# What is OmniPlan?

OmniPlan is a tool for organizing, scheduling, and administrating complex projects with multiple team members and moving parts. It's ideal for any endeavor that takes a diverse group of people and resources to complete, with features for managing multiple work schedules and assigning tasks based on goals being met.

OmniPlan for iPad lets you manage your projects on the go, collaborating and updating the project status easily from anywhere you can reach an iPad.

#### Use OmniPlan when you:

- Organize a folk music festival
- Research and develop a new microprocessor
- Build a new wing of the campus student union
- Convert a vacant lot to a community garden
- Coordinate a photo safari, and publish the results
- Open a coffee shop
- Launch a social networking site
- Put on a family reunion

# **Planning your Project**

At its most fundamental, the purpose of OmniPlan is to coordinate the activities of a team working toward a shared goal. The process of attaining that goal, and the steps required to reach it, are collectively known as the **project** at hand. There are three core areas that converge when looking at a project in OmniPlan.

The first are **tasks**, the parts of the project that need to be completed to reach the goal. Tasks are visually represented in OmniPlan as horizontal bars, where the length of the bar represents the duration of the task.

#### Task 1

The second aspect of a project are **resources**. These are the staff, equipment, and materials that you need to get the job done. These three types of resources all work in slightly different ways; your team members have schedules and take vacations, equipment can often only be used to accomplish one task at a time, and raw materials have a finite supply.



The final aspect of the project is its **calendar**. This is what anchors your project in time, dictates constraints on what must be done when, and helps establish priority when assigning resources to tasks.



The intersection of tasks, resources, and calendar is depicted visually in your project in the **Gantt view** – a cascading sequence of tasks. This sequential relationship is created using **dependencies**; connections between tasks that describe how they are related.

Laying out your project in OmniPlan is as simple as bringing together these concepts, and then letting OmniPlan do the heavy lifting:

#### 1. Add tasks.

List the steps of the project that need to be completed. These can include groups of tasks to represent phases or related segments of a larger project, and milestones that act as deadlines within the project or significant waypoints to be cleared.

#### 2. Add resources.

Describing the resources available to the project, and then assigning them to the tasks they're best suited for, is the next phase of planning. Your staff may have individual scheduling needs — OmniPlan can account for them and adjust task assignments accordingly.

#### 3. Set dependencies.

After you give tasks to your team and provide them with the tools for the job, deciding on the order of task completion is the last big piece of the puzzle. If widget A has to be designed before part B can be assembled, OmniPlan's Gantt view will make it clear what comes first.

#### 4. Level.

Once all the pieces are in place, the last step is easy: one tap of a button will arrange the work to make sure your team is at its most productive throughout every step of the project. This is called leveling the workload, and OmniPlan can do it automatically based on the tasks, resources and dependencies you provide.

If it all seems a bit overwhelming, not to worry! This manual will guide you through the process of creating, maintaining, updating, and completing your project using the full suite of tools available in OmniPlan for iPad.

# Interacting with OmniPlan Using the Document Browser

The Document Browser is where you'll land when you first open OmniPlan for iPad. It's the home for all of your project files, where you can create new projects or manage current projects. It's also where you'll set up a connection to a server repository where you can store or access projects with other members of your team, or across multiple devices.



#### **1. The New Project Button**

Tap the New Project button to start a new OmniPlan project. A new project document will be created and you'll be brought to the project screen, ready to start adding tasks and resources.

#### **2.** The Repositories Button

If you're sharing your projects between multiple users or devices, tap the Repositories button to access the Server Repositories panel, where you can access or edit an existing OmniPlan repository or add a new one.

#### **3. The Documents Header**

The header text of the document browser doubles as a button that lets you toggle between sorting methods. Display projects ordered by date, or alphabetically by title.

#### 4. The Gear Menu

Use the gear menu to browse this help document, contact us via email, or read the release notes for the current version of OmniPlan for iPad.

#### 5. The Edit Button

The edit button enables the document browser's edit mode, where you can share, duplicate and delete your OmniPlan projects. In edit mode, tapping a project file will select it instead of opening it. You can also enter **edit mode** by touching and holding a project's icon until it's selected.

#### Edit Mode



#### 1. The Share Menu

The share menu becomes available when a project is selected in edit mode. Tap here to send your project via email, to send it to another application as a PDF, or to print the project on an AirPrint-enabled printer.

#### 2. The Duplicate Button

Tap to create copies of each selected project file.

#### 3. The Delete Button

Tap to delete all of the projects you've selected (this will only remove copies stored on your iPad).

# Syncing and You

One of the most powerful features of OmniPlan for iPad is the ability to collaborate with colleagues, storing your projects on a shared server where each team member can access the latest project information and update it as necessary. This sync extends to full compatibility with OmniPlan for Mac, so you can access your projects at your office computer and update them when you're on the go.

To set up sync, start in the document browser and tap the servers button.

You'll see the **Server Repositories** screen, where you can create a new connection to an existing Omni Sync Server account or to a WebDAV server. An Omni Sync Server account is free!



Tap either New Omni Sync Server Account or New WebDAV Account to bring up the Server Details screen. Enter a description for the server, and enter the login details and directory path associated with the account. If your repository is not at the top level, you can enter the folder path to it.

OmniPlan Server Repositories Ser	ver Details Cancel
Description	Omni Sync Server
Username	username
Password	••••••
Path	/
Tes	t Connection

With the correct login information provided, the message "account verified" will appear below the entry fields (tap Test Connection to double check). You can then return to the server repositories screen and tap the name of the newly created account to access your OmniPlan projects on the server. Tap a project to load a copy of it from the server onto your iPad.



Once you've created an account, tap the blue arrow next to your repository to access and edit connection details. To remove an account from the list of repositories or to reorder the list, tap Edit. Likewise, tap Edit on the Open From Server pane to delete files from the server. Swiping across an item will also bring up the delete button.

# **The Project Screen**

The project screen is where the work gets done when you open a project in OmniPlan for iPad. Adding tasks and resources, setting start and end dates, establishing schedules, creating dependencies between tasks, leveling resource use for optimal productivity, and many other features are all accessible here.

Projects Undo Edit	Moving House	T+2d <b>12 13 14 15 16</b>
Packing	Packing Start: T day 5:00 PM End: T+2d 6:	00 PM
Pack up bedroom	Anyone[Vir	ncent]
Pack un kitchen A	nvoneMincentl	
5 6 Copy (	7 () 例Delete (1) 8 一つ Ungroup	9

#### 1. The Gantt View

The Gantt view is where you'll interact with all of the tasks that make up your project. Tap a task once to access the completion percent slider and duration and start constraint brackets (found on either side of the task's graphical bar); tap it again to access dependency arrows that can be dragged from one start or end of a task to another. Pinch vertically to zoom in and out, and pinch horizontally to adjust the time scale.

#### 2. The Projects Button

Returns to the document browser to view and manage your OmniPlan projects. This exits the project screen and saves all changes to the current project.

#### 3. The Undo Button

Removes the latest change made to the project. Tap and hold the undo button to access redo, which restores a change that was removed by undo (as long as no other subsequent changes were made).

#### 4. The Edit Button

Enters task editing mode and displays the edit bar at the bottom of the screen. While editing, tapping a task will select it so the following commands can be applied.

#### 5. Cut

Deletes the selected tasks and copies them to the clipboard to be pasted elsewhere.

#### 6. Сору

Creates copies of the selected tasks. (Paste is available in the menu that appears when you touch and hold a task bar.)

#### 7. Delete

Removes the selected tasks from the project.

#### 8. Group

Combines the selected tasks into a group. If the selected tasks are already grouped, this becomes the "ungroup" command instead.

#### 9. Move

Prompts to tap where you want to move the selected tasks. Options include above, below, or inside the tapped destination.

#### 10. Connect

Connects two or more unconnected tasks using finish-to-start dependencies. If the selected tasks are already connected, this becomes the "disconnect" command.

#### **11. The Project Title**

Double-tap to rename the currently active project.

#### 12. The New Task Button

Adds a new task of default duration (one workday) to the project. Tap and hold to add a milestone or a group instead.

#### 13. The Task Inspector

When a task is selected in the main view the task inspector becomes available. Use it to adjust all of a task's attributes, including name, duration, amount of effort it will take to complete, notes, and more.

#### **14. The Resource Inspector**

Add, manage, and assign resources to tasks using the resource inspector. Resources include personnel, equipment, and material used to complete the project.

#### **15. The Project Inspector**

Control overarching aspects of the project with the project inspector. These include controls related to time and scheduling, as well as calendar hours and exceptions. Sync settings are also available here.

#### **16. The View Inspector**

Set the scope of the information you're shown in the main view using the view inspector. Set filters based on resource, status, type, and date range, enable change tracking, fix violations, and set baselines for progress comparison here.

# **Tutorial**

# **Step 1: Create a Project**

For the purpose of this tutorial we'll be looking at the development process of a game being put together by an independent team of intrepid designers, coders, and testers.

Starting off in the document browser, tap the new project button.

This opens the project screen, where a first task is waiting to be customized or edited. Before we get to that, let's rename the project to something more interesting.

Double-tap My Project in the toolbar to edit the project title.



### **Step 2: Choose a Start or End Date**

When setting out to build a project, one of the most important aspects is the timeframe. This, in turn, is dictated by any deadlines or start constraints that exist for the project.

In the case of our game development scheme, we don't have a hard deadline for the project to be finished - we want it to be done when it's ready (but as soon as reasonably possible). To indicate this, we'll go to the project inspector and set the start date as today.

Conveniently, this is the default setting for any new project.



If you're planning a project in the abstract without a fixed start or end date, you can change the dates from Specific to Undetermined until the timeframe is more set in stone. You'll get dates that display as T+1d, T +2d... instead.

If you're planning a project with a specific do-or-die deadline, you'll want to switch the direction from forward to backward and put the deadline date in the End field. Tasks will be scheduled back from this date, filling in the time from project completion to the present.

# **Step 3: Create Milestones**

**Milestones** are the anchor points in your project that mark important shifts in focus or unlocking a new phase of the project. Clarifying these will help break a dauntingly large project down into more manageable sections, and help dictate the tasks leading up to and following the milestone.

To create a milestone, tap and hold the new task button until the option appears:

Alternatively, tap the currently existing task ("Task 1") to select it, then open the task inspector. You can change the task type from a regular task to a milestone here.



Projects Undo Edit	The Game Plan	+ 🤅	
	Jun 6		.lun 7
	Task 1 Start: 6/6/12 8:00 AM End: 6/6/12 8:0	Task Info	Scheduling
Task 1		Tas	sk 1
		Note	>
		Task Type: Miles	tone

We'll change the name of "Task 1" by double-tapping it or editing the name field in **Task Info** (seen above), create a few more milestones for our game plan, and then go on to reinforce our milestones with tasks.

### Step 4: Create Tasks

Create a task by tapping the new task button.

New tasks appear below the currently selected item in the Gantt view, or at the bottom of the list if no tasks, milestones, or groups are selected.

For our project we'll create several tasks beneath each milestone that they're related to. Since we now have more items than will fit on the screen at once, pinch vertically on the Gantt view to change the view scale.



## **Step 5: Edit the Work Week**

Now that we're starting to see the game plan come together, we'll set tasks aside for the moment and start setting up the work schedule for our project.

Tap the project inspector and then the calendar button to access the regular weekly work schedule for the project. By default, working hours are Monday through Friday from 8:00 to 5:00, with an hour-long break for lunch at noon.

Since we're working with a bunch of more nocturnal folks, let's change the schedule to reflect that. Tap and hold one of the time blocks on the calendar to bring it to a new position, or drag one of the side handles to change the size of the block. We end up with a schedule that fits our needs:





Time blocks can be created for individual days to indicate longer or shorter regular working hours (tap New Time Block), and deleted by tapping Edit.

## **Step 6: Set Schedule Exceptions**

Even the most accommodating work week will occasionally have days that are out of the ordinary. Whether it's a national holiday, a team-wide training seminar, an industry expo or conference, or just a patch of bad weather that keeps folks out of the office, setting exceptions to the regular work schedule can be key to keeping a project on track.

One that we know is in the future for our project is the upcoming Labor Day. We can add that to our schedule right now by tapping Exceptions beneath the normal hours of our schedule on the Calendar pane of the project inspector.

Caler	ıdar	.hur Exc	eptio	ons					
Ju	June 2012								
					1	2			
3	4	5	Today 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			



Green days on the exceptions calendar indicate regular work days. Swipe to scroll down to September, then tap on the week of Labor Day (the 3rd) to access the exceptions calendar for that week.

We know we want to take Labor Day off, but we can also predict that this

12

Mor

1:00

8:00

2 3

SMTW

Sep 2 - 8, 2012

5 6 7 8

11:00 - 2:00

Monday – Friday 3:00 – 8:00

8:00 - 10:00

Th F

S

week will be crunch mode for the team. We use the Add Time Off button to create a block of time that covers the 3rd,

and then replace that lost time with evening overtime hours through the rest of the week.

# **Step 7: Set Task Durations**

Returning to our tasks in the Gantt view we can begin to scope out how long each task will take. With estimated times for their completion in mind, tap a task and drag the right handle that appears to the appropriate length for the task's duration (in this case, two full workdays).



Task duration can also be set using the task inspector.

# Step 8: Group Tasks

When tasks are closely related or interdependent it can be useful to put them in a group. Groups help organize a project conceptually, and also act as meta-tasks that can be linked via dependencies to other tasks or groups.

The easiest way to gather tasks into a group in edit mode. Tap **Edit** on the project screen, then tap to select all of the tasks and milestones to be grouped. Finally, tap **Group** in the bottom toolbar to complete the edit.

Projects Undo Done The G	ame Plan		+	9	0	0	0
Jun 6		Jun 7					
s	election: 5 tasks						
Design Complete							
Gameplay brainstorm							
Refine game concepts							
Determine project scope							
Balance underlying math							
Coding Complete							
Choose middleware							
Compile frameworks							
Parse framistans							
Art Complete							
Concept sketches							
Render pixel sprites							
Fleece polygons							
Combine art and code							
Testing Complete							
Cut (5)	Group (5)		(5)		- Conne	ect (5)	

With all of the tasks in the group selected, this would be a good time to add a bit of visual distinction to the group as well. Open the task inspector and tap **Bar Color** to choose a color that will identify all of the tasks in the group.



# **Step 9: Connect Tasks with Dependency Lines**

The pieces are now in place to establish the ways that some tasks in the project are dependent on the status of others. There are four ways that tasks can rely on others:

**Finish**  $\rightarrow$  **Start** dependencies are the most common type, indicating that when task A finishes, task B can start.

**Start**  $\rightarrow$  **Finish** dependencies indicate that when task A starts, task B can finish.

**Start**  $\rightarrow$  **Start** dependencies indicate that when task A starts, task B can also start.

**Finish**  $\rightarrow$  **Finish** dependencies indicate that when task A finishes, task B can also finish.

Connecting tasks in the Gantt view is as easy as tapping a selected task again, which puts dependency arrow handles on either side of the task bar.



Drag an arrow from the selected task to another task to create a dependency. The type of dependency is based on the start- and endpoints of the arrow: dragging an arrow from the completion of one task to the beginning of another will create a finish  $\rightarrow$  start dependency, and so on.



While in edit mode, you can use the **Connect/Disconnect** button to add finish  $\rightarrow$  start dependencies or remove dependencies between any number of selected tasks simultaneously.

## **Step 10: Create Hammock Tasks**

A hammock task is one in which the duration is dependent on both when the previous task ends, and the next task starts. This type of task is useful when facing a hard deadline and deciding what can be compressed if the project is running behind schedule.

In our example we decide that alpha testing for the game must begin on July 11th. We give the "testing" group a start constraint of July 11th by dragging the left handle that appears when it's selected, or entering the date in the Scheduling pane of the task inspector. We decide that the "combine art and code" task is the one that's going to give if the going gets rough. To convert it from a task of fixed duration to a hammock task:

• First, make sure both the "coding" group and the "art" group are linked to "combine art and code" with finish  $\rightarrow$  start dependencies.

• Then, create a start  $\rightarrow$  finish dependency originating from the testing phase and linking to "combine art and code."

• Finally, select the "combine art and code" task and open the task inspector. The fourth task type, Hammock, is available for selection.

Projects Undo Edit The Game Plan		+ 0	0	0 0				
Jun 2012								
Design phase Combine art and code Start: 6/28/12 8:00 PM End: 7/1		ask Info	Schedu	ling				
Gameplay brainstorm Refine game concepts		Combine art	and code					
Determine project scope Balance underlying math	Note			>				
Design Complete Coding phase	Task	Гуре: Натто	ck					
Choose middleware Compile frameworks								
Parse framistans	_	Effort	1w 3d	+				
Concept sketches		Duration	1w 3d	+				
Render pixel sprites	-	Completion	0%	+				
Combine art and code								
Testing pha		Task Cost	\$0	+				
"Friends and fam	Bar C	olor		>				
		Game Relea	ase					

## **Step 11: Create Resources**

Now it's time to start adding the team members, equipment and materials we'll be using to bring the project to fruition. Every person, piece of infrastructure, and raw ingredient that contributes to reaching the project's goal is counted as a resource, so let's open the resource inspector and get started.

One resource has been created by default for our project – a staff member. Tap it to access and edit their details, including name, resource type, and personal calendar.

When balancing workloads across multiple projects a staff member's email address is used as their unique identifier, so make sure their address is consistent across all the projects they're participating in.





After editing the default resource we'll create a few more to fill out the list of our team members and the technology they're using to bring the game to life. Remove or rearrange resources at any time using the Edit button in the Manage Resources pane.

# **Step 12: Assign Resources**

Assign resources to tasks by selecting the desired tasks in the Gantt view (multiple tasks can be selected simultaneously using edit mode), then opening the resource inspector and switching to the Assign Resources pane.

Tap each resource you'd like to assign to the selected task(s) and their names will appear next to each task that they're assigned to.



# **Step 13: Level Resources**

After assigning team members and equipment to the tasks that make up your project, you can ensure the team is at its most productive by leveling the workload across your resources and tasks.

To level the resource workload for your project, open the resource inspector and tap Level Load. Unless your staff is already in the optimal configuration you'll see the tasks in the Gantt view shift to accommodate the most efficient use of your resources' time.

Concept sketches	Art phase H Render pixel sprites	enrietta; Kwame	Re	Level Load	Clear Leveling	Edit
		Fleece polygons			Henrietta; Kwam	ie
			Art C	omplete		
Combine art a	nd code Ivan; Julie	; Kwame; Henrietta;	Satoshi; F	ender farm	Č	

Optionally, turn on **Automatically Level** to have OmniPlan optimize your resource use every time a change is made to your project.

### **Step 14: Set the Baseline**

With tasks set and resources assigned and leveled, the state the project is in now may be a glimpse at its fate in the best of all possible worlds – one where unforeseen hindrances don't bog down progress, and where optimistic estimations rule the day.

This is the world that is captured when we **set a baseline** for progress, a feature used to compare how the project is actually doing against initial expectations, so milestones and resource allocation can be adjusted accordingly.

To set a baseline, open the view inspector and tap Baselines. Tap Set Baseline and enter a name (the current date is the default); it's now selected for comparison, and can be compared against subsequently set baselines as the project progresses.



# **Step 15: Update Task Completion**

As work on the project begins, you can track progress against the baseline you've set by tapping a task currently in progress and moving the slider along to the task's completion percentage (this can be edited in the task inspector as well).

If a task is behind schedule, update the expected duration and level resources again to compensate for the additional time needed.



## **Step 16: Resolve Violations**

Occasionally situations will emerge that break the rules of logic you've set up for your project. When one of these occurs, OmniPlan will let you know with a red icon indicating a **violation** related to the adjacent task.

Violations can be fixed by opening the view inspector and tapping Violations. You'll find a description of the problem and a command to tap that should resolve it.



# **Step 17: Split Tasks**

Whether because a key collaborator is on vacation or another part of the project has taken priority, suspending work on a particular task can be very helpful. When you want a resource or team member to devote time to something other than the task they're currently assigned to, **splitting the task** into parts around the "time out" period is an ideal solution.

Art phase					
Concept sketches Her	rietta; Kwame	Group	Split 🕨		
Render pixel sprites					Render farm
	Se	rver maintenance	Render farm		
			Fleece polygons	Henrietta; Kwame	Ċ
					Art Complete

To split a task, press and hold it in the Gantt view until the contextual menu appears, then tap the right arrow and choose **Split**. You'll be asked to choose the duration of each segment of the task, and the date and time you want the task to resume after the break. If the resource will be absent during the split, remember to indicate this on its schedule in the resource inspector!

Art phase						
Concept sketches	Henrietta; Kwame					
	Render pixel sprit	es	7		Render farm	5
		Server maintenance		Render farm		
				Fleece polygons	Henrietta; Kwame	
					Art Com	nplete

After splitting a task it's always a good idea to **level** (see step 13) to be sure the split is the most efficient way to manage the task at hand given the project's available resources and time constraints.

## **Step 18: Collaborate via Server Repository**

On a large project, or one where the collaborators are spread across diverse geographic locations, you may want to have multiple team

members able to update the project status remotely. OmniPlan makes this easy!

+ 0		+ 0 0 0	+ 0 0 0
Project Sync		Sync Repository	Project Sync
You can publish this pro OmniPlan server repositor with other OmniPlan	ry to share it	Publish to OmniPlan repository: None	You can publish this project to an OmniPlan server repository to share it with other OmniPlan users.
Repository	None >	✓ Omni Sync Server	Repository Omni Sync Server >
		Manage Repositories Resource Load Information Publish loads ON Subscribe to loads ON You can share information about resource usage with other projects on this repository. Resources are identified by email address.	Auto-Update Interval Never > Update Publish This plan has not been published yet.

To share the project you're currently working on, open the project inspector and tap **Sync**, then **Repository**. You'll be asked to choose a repository to sync to; if you don't have one set up, tap Manage Repositories and see **Syncing and You** at the beginning of this manual to get started.

After choosing a repository, return to the Sync panel and choose an **auto-update interval**. This is the frequency with which your project will pull changes from the version stored on the server, and with which it will publish changes there you've made on your iPad. When you have the settings the way you want them, tap **Publish** to bring the project live. You can tap **Update** to manually cause a sync any time you'd like.

## **Step 19: Balance Multi-Project Resource Loads**

If resources (usually human members of your team) are shared between multiple projects in the same repository, you'll want to decide in the repository panel whether you'll



**publish** the current project's resource loads to other projects and whether the current project will **subscribe** to the resource loads of others.

Choosing to publish a project's resource loads means that other subscribing projects will obey its workload information when leveling; if Julie is working on Project A on Wednesday and its loads are being published to Project B, after leveling Project B won't schedule her to work on Wednesday.

Choosing to subscribe to resource loads means that the project will obey all constraints by projects in the repository that are publishing their loads. By using only the publish or subscribe option a hierarchy of priority can be established between simultaneous projects - a project that only publishes will always have its needs met first, while a project that only subscribes will be assigned resources only when they can be spared.

By both publishing and subscribing, projects are treated as equals - and if a project neither publishes or subscribes, it ignores external factors and syncs only with its own updates.

**Note:** The key to balancing resource loads across projects is that individual resources be tagged and identified by a unique email address that is shared across all projects. This can be set using the resource inspector.

# **Additional Resources**

The OmniPlan for iPad website is complete with frequently asked questions, tutorial videos, and other support resources, and can be found at:

www.omnigroup.com/omniplan-ipad

Or, contact Omni Support and we'll typically be able to help within 24 hours.

**Email** omniplan-ipad@omnigroup.com

**Phone** 1 206-523-4152

**Toll Free** 1 800-315-6664

# Credits

#### UIApplication+ScreenMirroring.m Created by Francois Proulx on 10-04-17.

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