MobiOne Studio 1.4 Highlights

The following features are new for the MobiOne Studio 1.4 release.

BUILD IOS APPLICATIONS (APPS) IN SECONDS WITH APPCENTER

Using the new AppCenter cloud service, MobiOne can now build native iOS applications for the iPhone and iPad. Following are highlights of the 1.4 Early Access 1 release.



APPCENTER, CLOUD-BASED APP BUILD & HOSTING SERVICES

AppCenter is a new MobiOne cloud service that the enables you to build native iOS apps (Android apps - coming soon).

- · Store your apps and HTML5 mobile web applications for access from your devices from anywhere
- Build status notifications on desktop
- Wireless installation of your iOS apps
- · Quick share of app and webapp links via individual and group emails
- Portal access coming soon

Note: AppCenter replaces AppSync, the former MobiOne cloud service.

BUILD ON WINDOWS; NO OBJECTIVE-C OR MAC REQUIREMENTS



The traditional approach to iOS application development requires developers to create their apps using Apple's Objective-C programming tools and Macintosh(tm) hardware. MobiOne runs on your Windows OS (Win7 to XP) hardware and offers developers an alternative cross-platform programming model based on HTML5 open web standards and virtual device services, e.g., contacts, camera, audio... Native iOS applications are created using MobiOne AppCenter's build services, which package your mobile web application into a native iOS application with full access to native iOS services.

BUILD CONFIGURATION WIZARD

A new iOS Build Configuration wizard is available from the toolbar 2° or the Project>Build iOS Application menu.

iOS Build Application			
Get Started Building Your iOS Application			
Review and verify iOS build prerequisites			
	•		
▶Get Started	About		
Naming & Version	This wizard uses AppCenter, a Mobione cloud service, to build your iOS application. Your MobiOne web application is uploaded and then compiled along with the open source PhoneGap/Apache Callback SDK to create your iOS application. Please provide your user information and review and approve the AppCenter policies to continue.		
Device & Orientation			
Files & Data			
Digital Signature			
App & Startup images			
Notification	AppCenter User Information (required for upload)		
Build	Email address: john@acme.com		
	Appsync Privacy & Usage Policy Approval		
	I have reviewed and appove the <u>AppCenter Privacy and Usage Policies</u>		
	iOS Digital Signature requirement		
	You will need an iOS digital certificate & provision profile to complete the process. <u>Learn more</u>		
(?)	< Back Next > Finish Cancel		

Build Configuration wizard: Get Started page

TARGET PLATFORM AND ORIENTATIONS

Configure your app to run on iPhone, iPad or both platforms (universal). You can also customize the orientations supported by your application.

iOS Build Application	
Device & Orientation	The
Configure target devices a	and orientations
Get Started	What iOS devices will the application run on?
Naming & Version	Universal (iPhone, iPad, iPod)
► Device & Orientation	Ohnerson (Hinter, Hinter, Hinter)
Files & Data	
Digital Signature	🔘 iPad
App & Startup images	What douise evientations must the application operato?
Notification	what device orientations must the application operate:
Build	Portrait and Landscape
	Portrait
	🔘 Landscape
?	< Back Next > Finish Cancel

Build Configuration wizard: Device & Orientation page

APPLICATION ICONS & STARTUP IMAGES

Brand your app with custom application icons and startup images.

iOS Build Application				
Application icons and startup				
Customize applications with app icons and startup images				
Get Started	Application Icons			
Naming & Version	Please provide the image files (ppg) that will app	ear on the device home-screen and		
Device & Orientation	itunes application listing	car on the device nonce screen and		
Files & Data	inhone (57x57):			
Digital Signature	iphone (37337).	[]		
► App & Startup images	iphone4/4S (114x114):	[] 36		
Notification	ipad (72x72):	[] 💥		
Build	(Turner (512)-512)	[] w		
	11 unes (512/512):	[] #6		
	Startup Images			
	Please provide the images files (.png) that will ap	pear when the application is launched		
	iphone (320x480): splash_320x460.png	Jan 19		
	iphone4/45 (640x960):	34 []		
	ipad portrait (768x1004): splash_768x1004.pn	g [] \$6		
	ipad landscape (1024x748):	[] 36		
?	< Back Next >	Einish Cancel		

Build Configuration wizard: App & Startup Images page

DEFAULT APPLICATION AND STARTUP IMAGES

To assist you in getting started quickly, MobiOne provides a set of default application icons and startup images for you use. To see these images in action, leave the App & Startup Images page of the Build Configuration wizard empty.



BUILD PROGRESS MONITORING

Use the AppCenter Progress view to monitor the progress and completion status of your iOS build jobs.

Progress	×	💥 🗖
myapp - build #99633		
Building		
bananig		

AppCenter Progress view

Completed build jobs include a link to access the newly created iOS application or *error.log* information in cases where a build fails.

Build completed	
Build completed. Find your app installation file (.ipa) at Ci\dev\demo\ demo\mvapp-ios\mvapp.ipa Show in folder	
ОК	🖉 Progress X 🙀 🗖
	myapp - build #99633 (Finished at 3:18 PM) Finished OK

AppCenter Progress view with completed build and status notification

BUILD COMPLETION NOTIFICATION

Receive email and popup notifications when your iOS build process completes and your app has been downloaded. Popup notifications provide convenient links for quickly accessing the newly built iOS application file (.ipa file).



Popup notification on Windows desktop



Email notification

AD HOC APP INSTALLATION

MobiOne iOS apps can be installed on your devices using the over-the-air (OTA) wireless capability of iOS 4 and greater versions or via iTunes.

OVER THE AIR INSTALLATION

Email build notifications include a URL to the MobiOne App Installer (shown on left below). The App Installer is a web application that provides details about the application and initiates OTA installation.



AppInstaller: over-the-air installation sequence

ITUNES INSTALLATION

Upon completion of your iOS app build, MobiOne automatically downloads the app installation file (.ipa file) to your computer. If you have iTunes installed, double-click the application file to automatically add it to your apps in iTune as shown below. Alternatively, you can drag-n-drop your app installation file into iTunes. Sync your device with iTunes to install the application.



PHONEGAP/CALLBACK FRAMEWORK



The open source PhoneGap/Apache Callback framework is used to provide the JavaScript virtual services API for accessing iOS services such as contacts, camera, and audio.

Note: PhoneGap APIs are available for your experimentation, but are not officially supported yet. The Test Center emulator does not provide emulation of the API.

DIGITAL SIGNING DATA UTILITY

An AppCenter utility is now available to generate the iOS certificate signing request file required by the Apple iOS Provisioning Portal and the private key file required by the iOS Build wizard.

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MODIOUG	MODIONG
Digital Signing Data Generator	Digital Signing Data Generator
The MobiOse IOS Build Service requires you provide a private key file and digital certificate file. This utility will generate a private key file your use. A digital certificate file can be obtained from the Apple IOS Developer Private. The process involves sativiting a certificate signing request file. Once approved by Apple you download the certificate file and induste them along with the private key file to the Build Senice.	YOUR DIGITAL SIGNING FILES
Create private key (.key) and certificate signing request (.csr) files	private.key Download
Generate	certificate-request.csr Download
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NEW DESIGN CENTER PROJECT MENU

Design Center includes a new Project menu for accessing code generation and upload and build services.



REORGANIZED AND IMPROVED TEST CENTER MENUS

Test Center menus have been reorganaized and includes a new Device menu.



Device menu

You can now access the JavaScript debugger from Test Center's Tools menu and right-click context menu.





For further information, see the release notes.

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