

Kodular Andromeda



1.0 Andromeda | 22 June 2018

Major Changes

- **Upgraded Minimum API** from 14 (*Android 4.0*) **to 16** (*Android 4.1*)
- Added **Copy Screen** feature
 - Added *Import Screen (.AIS)* and *Export Screen (.AIS)*
- Added **British English** and **Portuguese** languages
- Added a nice **Welcome Email** for new users
- Upgraded **Google Login system**
 - *Say bye to that ugly Google Login, and say hello to OAuth2*
- Implemented **Email & Password login** system
 - *Welcome China users! You can now use [Kodular](#) without a VPN*
- Implemented **Runtime Permission** system
 - Watch [this video](#) to see what is this
- Upgraded **Target SDK to API 27** (*Android 8.1*)
 - *This warning will **NOT** appear again: image*

- *Kodular is the first **builder** on implementing a **real** Target SDK 27, as it's required to have runtime permissions as we use now*
- **Improved server performance**
 - See "Servers" section
- Added **fancy error pages** when 5xx error appears
- **Changed Default Package Name**
 - Changed from `com.makeroid.email.app` to `io.makeroid.email.app`
 - *This only applies to new apps. Old created apps will still have the old format*
- **Removed 10MB app limit**
 - Testing showed that now the limit is on 20MB
- **Removed black SplashScreen**
 - You can now even set *your own image!*
- **Added new blocks**
 - **"Break"** block will allow you to stop loops
 - **"Wait for milliseconds"** block will allow you to stop the execution of your code X milliseconds
- You can now **delete a single block/group of blocks** from the *Backpack*
- Added ability to **move blocks with arrow keys** on *Blocks Editor*
- **General Data Protection Regulation:**
 - Added to AdMob components *new dialog asking for consent* for EU users to show customized ads
 - Added *warning when dropping AdMob components* to phone

New Services

- **Kodular Account** Centralized login system for all Kodular Services and control panel for your data
- **Kodular IDE** Build Kodular Extensions online without installing any external software

- **Kodular Store** New online Store developed by Kodular to share Apps, AIAs, Screens and Extensions

Servers

- **AppEngine instance uses now better servers** so lag should have been reduced
- **Three compilers will now be processing app builds:**
 - Dedicated VPS Cloud servers with 2 CPUs up to 3.1GHz, 4GB of RAM and 100MB/s of minimum bandwidth
 - In front of all of them there is a dedicated *load balancer* in ArubaCloud redirecting requests to reduce their loads
 - *This allows us to create new compilers without having to stop our service or build requests*
 - *It will also automatically stop forwarding traffic to compilers that are down until they are fixed*
 - Thanks to **our partner ArubaCloud**, Kodular Servers are much powerful now

Companion

- Changed **Companion design**
 - *Now it's much more simple, clean and useful*
- Changed **Companion Package Name** to **io.makeroid.companion**
 - Previously *com.makeroid.companion*
- Companion is now only compatible with **Android 5.0 or higher**
- Implemented some **translations** on Companion

UI Changes

- **Mock-Phone Preview:** *This means that these settings, when changed, will be now updated on the phone preview*
 - Show/Hide Navigation Bar
 - Show/Hide Status Bar
 - Show/Hide Title Bar
 - Show/Hide 3 Dots
 - Color of Navigation Bar
 - Color of TitleBar Text
 - Text of TitleBar Subtitle
 - Properties of Radio Button
 - Clickable property of any Layout
- **COMPLETELY REDESIGNED MAKEROID UI**
 - **Kodular** wants to be unique, so our amazing designer [@Vishwas](#) implemented the official Material Design into **Kodular** Builder
 - Now it is much clean and simple:
 - **Added a SearchBox** in Palette
 - **Moved properties to hidden panel**, so if you want to show them just click on the name of a Component
 - **Added categories to properties** for a better sorting
 - *And, yeah, you are right. All SneakPeeks were “fake” We’ve used the old design in the SneakPeeks because we didn’t want to leak anything related with it*
- **Redesigned Building Project** dialog
 - Added *Hide Dialog* button
- **Non-Visible components names are now visible** below Mock-Phone
- Increased **SplashScreen height**

- **Added country flags next to their respective languages** on Language Selector
- **Fixed Dark Theme**

Bugs Fixed

- **Fixed Layouts** issues
 - *Layouts were always clickable*
 - *Extensions that were depending on Layouts weren't working properly*
- **Fixed TitleBar Tabs** issue *which made them to have the previous color when TitleBar Color was changed*
- **Fixed ListView** *NullPointerException on some devices*
- **Fixed Show/Hide Navigation Bar** *not working in some devices*
- **Fixed "reset" Screen** *bug on Orientation Change*
- **Fixed Logout** *issue which was logging out from ALL Google Accounts*
- **Fixed Color for StatusBar and TitleBar** *issue*
- **Fixed TopBar buttons** *issue which was overriding the created tab*
- **Fixed blocks** *getting stacked on top of eachother*
- **Fixed Blockly Translations** *issue*
- **Fixed Custom Package Name**
 - Now [this Tutorial](#) is no longer required!
- **Fixed Tablet-Mode bug** *causing strange behaviours on refreshing*

New Components

- Added new **Bottom Sheet** component to *User Interface category*
- Added new **Circular Progress** component to *User Interface category*
- Added new **Linear Progress** component to *User Interface category*
- Added new **Snack Bar** component to *User Interface category*
- Added new **View Flipper** component to *User Interface category*

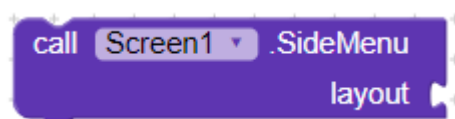
- Added new **Card View** component to *Layout category*
- Added new **ExoPlayer** component to *Media category*
- Added new **Maps** components to **new Maps category**
 - Thanks to *MIT App Inventor Team*
- Added new **Dynamic Button** component to **new Dynamic category**
- Added new **Dynamic Label** component to **new Dynamic category**
- Added new **Dynamic TextBox** component to **new Dynamic category**
- Added new **Amazon Ads** components to *Monetization category*
 - Thanks to *AppyBuilder Team*
 - **Amazon Banner**
 - **Amazon Interstitial**
- Added new **Facebook Ads** components to *Monetization category*
 - **Facebook Banner**
 - **Facebook Interstitial**
- Added new **Shell** component to *Experimental category*
- *Renamed* Google Map to **Google Maps**
- *Moved* Surface View to **Layout Category**

App Features

- **Side Menu** *This new feature allows you to create professional side menus from blocks. You will just need to design inside a Vertical Layout what you want, and then call it from blocks* Download [this APK](#) for a demo, or read [this tutorial](#) to see how to create one

- Functions:

- **SideMenu** - Creates a Side Menu with the give Layout



- **Side Menu Open** - Opens the Side Menu

call Screen1 .Side Menu Open

- **Side Menu Close** - Closes the Side Menu

call Screen1 .Side Menu Close

- Properties:

- **Is Side Menu Open** - Returns true if the Side Menu is open

Screen1 is Side Menu Open

- Events:

- **Side Menu Opened** - Triggered when the Side Menu is opened

when Screen1 .Side Menu Opened
do

- **Side Menu Closed** - Triggered when the Side Menu is closed

when Screen1 .Side Menu Closed
do

- This feature is not fully compatible with the **Companion** and it can make it to crash

- **Splash Screen** Based from [this suggestion](#), **Kodular** has removed the black screen that appeared when app is loading Also, we have added some options for it if users wants to customize it more

- **Splash Enabled** : If selected, the app will remove the black screen

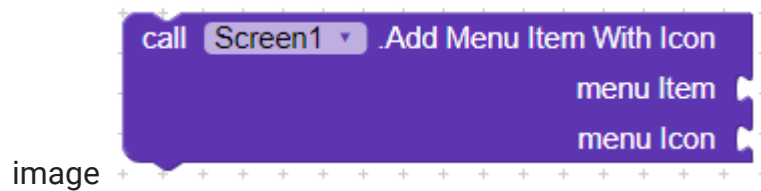
Splash Enabled
☒

- **Splash Image** (Available when **Splash Enabled** checked): If set, the app will show this image instead of the black image

Splash Image
andromeda.png...

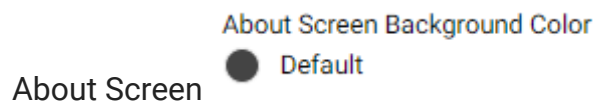
- **New Functions:**

- **Add Menu Item with Icon** : Adds an item to the menu but with an

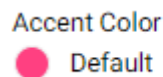


- **New Properties:**

- **About Screen Background Color** : Sets the background color of the



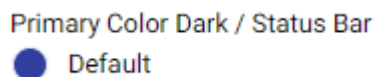
- **Accent Color** : Sets the Accent Color of the App



- **Primary Color / Title Bar Color** : Sets the Primary Color of the



- **Primary Color Dark / Status Bar Color** : Sets the Primary Dark Color of the app, which is the Status Bar Color if not set



- **Screen Orientation** : Added *Behind, Full Sensor, No Sensor, Reverse, Landscape, Reverse Portrait, Sensor Landscape* and *Sensor Portrait*

Screen Orientation

Unspecified ▾

Behind
Full Sensor
Landscape
No Sensor
Portrait
Reverse Landscape
Reverse Portrait
Sensor
Sensor Landscape
Sensor Portrait
Unspecified
User

- **Theme** : Sets the theme for the app between *Default, Light Theme* or

Theme

Default ▾

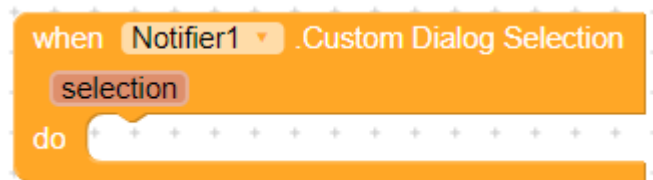
Default
Light Theme
Dark Theme

Dark Theme

New Events

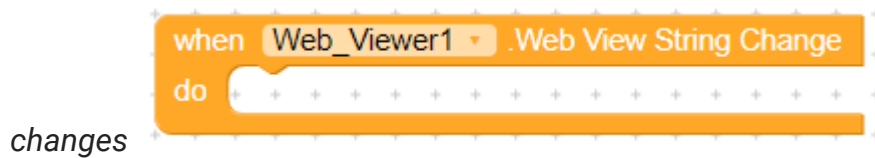
- **Notifier** component

- **Custom Dialog Selection** : triggered after selecting a *Custom Dialog*



- **Web Viewer** component

- **Web View String Change** : triggered after the *WebViewString*



- **File** component

-

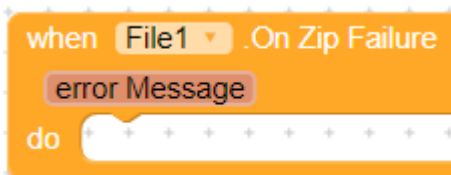
After Zip : triggered after successful *Zip*



- **After Unzip** : triggered after successful *Unzip*



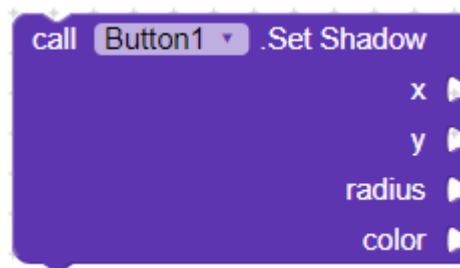
- **On Zip Failure** : triggered when an error occurs in *Zip* or *Unzip*



New Functions

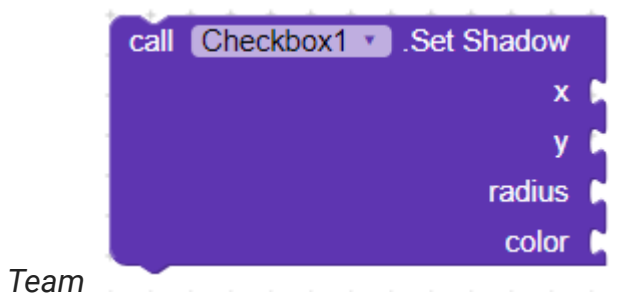
- **Button** component

- **Set Shadow** : sets a shadow for the *Button* Thanks to *AppyBuilder Team*



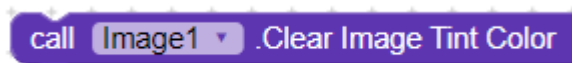
- **Checkbox** component

- **Set Shadow** : sets a shadow for the *Checkbox* Thanks to *AppyBuilder Team*



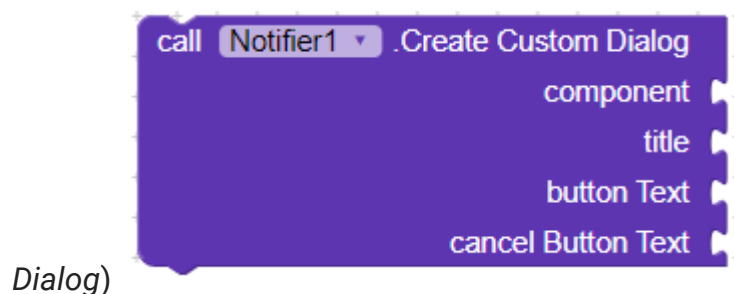
- **Image** component

- **Clear Image Tint Color** : cleans the Tint Color set for the *Image*

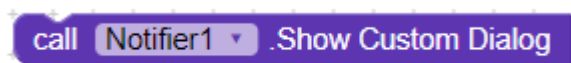


- **Notifier** component

- **Create Custom Dialog** : creates a *Custom Dialog* from the given component (removes it from the Screen and places in the *Custom Dialog*)

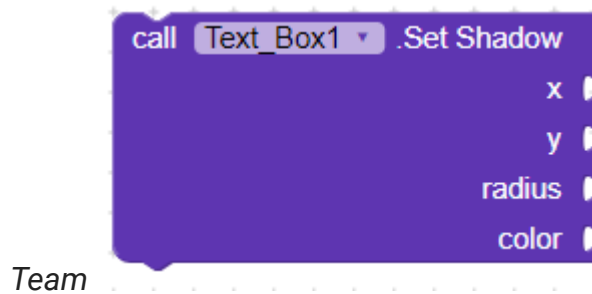


- **Show Custom Dialog** : shows a *Custom Dialog*



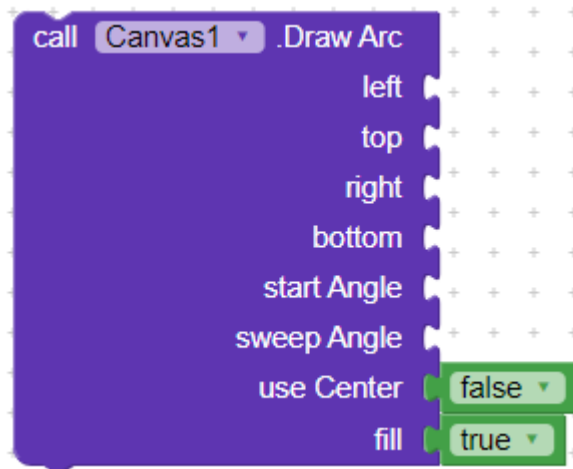
- **Textbox** component

- **Set Shadow** : sets a shadow for the *Textbox* Thanks to *AppyBuilder*

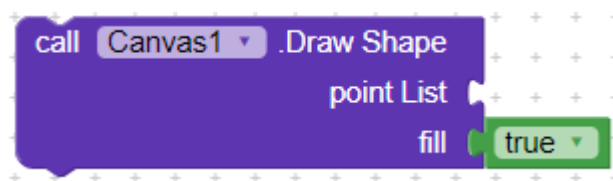


- **Canvas** component

- **DrawArc** : generates an Arc with the given params

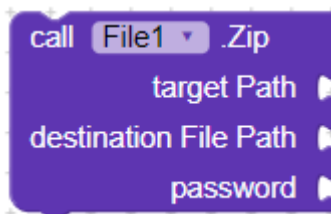


- **DrawShape** : generates a *Shape* with the given points from a list

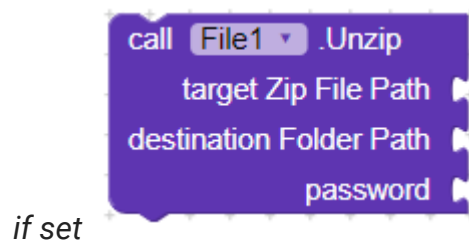


- **File** component

- **Zip** : zips a given folder in the given path, with an *optional password*



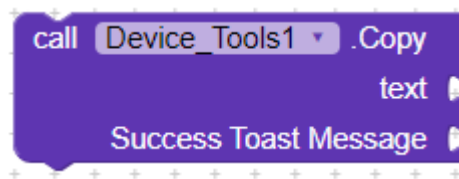
- **Unzip** : unzips a given file in the given folder, with an *optional password*



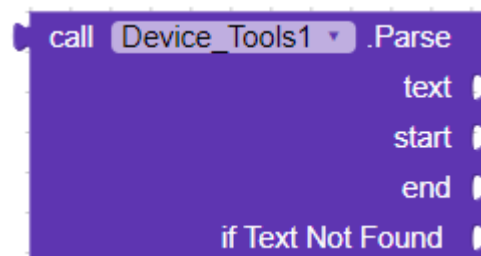
if set

- **Device Tools** component

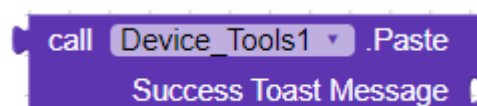
- **Copy** : copies the given text to the *clipboard*



- **Parse** : parsers the given string with _between a start and an end



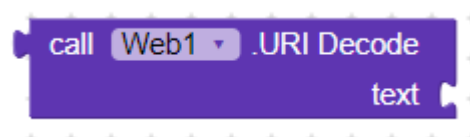
•



- **Paste** : pastes the *copied text*

- **Web** component

- **URI Decode** : decodes the given *URI Encoded text*



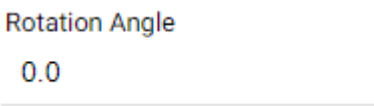
- **WiFi** component

- **Mac Address** : returns the *MAC Address* of the device



New Properties

- **Button** component

-  Rotation Angle
0.0
Rotation Angle

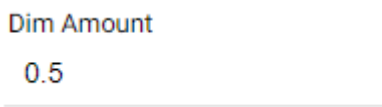

- **Image** component

-  Clickable
Clickable
-  Image Tint Color Customizable from Blocks
set Image1 . Image Tint Color to

- **ListPicker** component

-  Title Visible
Title Visible

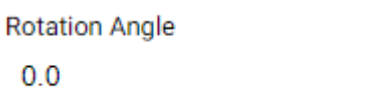
- **Notifier** component

-  Dim Amount
0.5
Dim Amount
-  Use Background Color
Use Background Color



- **Slider** component

-  Rotation Angle
0.0
Rotation Angle

- **TextBox** component

-  Rotation Angle
0.0
Rotation Angle



- **Layout** components

-  Clickable
Clickable
-  Use Round Card
Use Round Card



- **OCR** component

-  Language
Default: 1 ▾
Language


- **EmailPicker** component

-  Cursor Color
Default
Cursor Color
-  Line Color
Default
Line Color



- **FusionTables** component

-  Loading Dialog Message
Please wait loading...
Loading Dialog Message
-  Show Loading Dialog
Show Loading Dialog

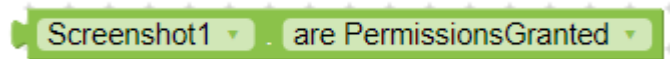
- **TinyDB** component

-  Namespace
TinyDB1
Namespace

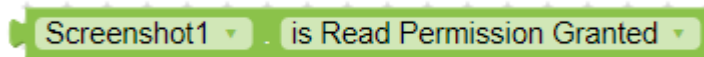
- **Screenshot** component

-  Dim Amount
0.5
Dim Amount
-  Notification Share Button
Notification Share Button

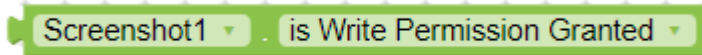
- **are Permissions Granted** *Available at Blocks*



- **is Read Permission Granted** *Available at Blocks*



- **is Write Permission Granted** *Available at Blocks*

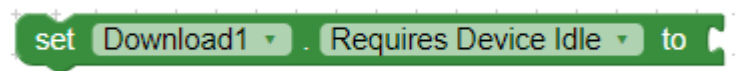


- **Download** component

- **Requires Charging** *Customizable from Blocks*



- **Requires Device Idle** *Customizable from Blocks*



1.0.1 Andromeda | 23 June 2018

Bugs Fixed

- Fixed: Download app scannign QR Code (*missing GPlay update, probably tomorrow it will be live*)
- Fixed: "Create" block from "FAB" was crashing companion if there was no image added
- Fixed: ListViews
- Fixed: Random crashes using some components

1.0.2 Andromeda | 28 June 2018

New Blocks

- Added **RemoveSideMenu** block to *Screen*

Bugs Fixed

- Temporarily removed Import/Export screen feature
- Removed “wait for milliseconds” block
- Fixed: Server error that sometimes happened when copying screens
- Fixed: Copied screens couldn't be opened
- Fixed: Errors with extensions
- Fixed: Some issues with Leadbolt component
- Fixed: Sizing issues with CardView component
- Fixed: TitleBar Subtitle not updating on the companion when subtitle removed
- Fixed: Some issues with ListViewImageText

1.0.3 Andromeda | *19 July 2018*

UI Changes

- Added “*Import Project*” button on Projects Panel
- Added “*Loading Project*” dialog
- Imported *Turkish Translation* to Blockly
- Fixed some Descriptions for some components which had a larger font
- Made ScrollBar of Palette thicker

Companion

- Added missing “:” to IP Address Label

New Features

- Added “Show Ad” block for *Facebook Interstitial Ad* component
- *CloudDB* component now handles images

Bugs Fixed

- *NullPointerException* on some Alerts
- *NullPointerException* on *GetUserId* of *PushNotifications*
- *Button* Size wasn't affected if *Shape* was set
- *Facebook Interstitial Ad* should be working now

1.0.4 Andromeda | 28 July 2018

UI Changes

- Fixed "*Loading Project*" dialog shown even when project loaded
- Fixed "*Blockly Panel*" as it was overlapping with *Components Scrollbar*
- Increased *Scrollbar Width* on *Components* panel
- Added *confirmation dialog* when removing *Screen*
- Added *confirmation dialog* when removing *Project*
- Redesigned how "*Component Help*" is shown

Improvements

- Improved "*Search Component*" speed
- *Minimized CSS files* to improve load time
- Improved *Blocks Editor* performance

Bugs Fixed

- *Facebook Ads* were not declared on *Manifest*
- *Sharing Component* was not working
- Removed some *unused libraries* (APKs should be a little bit lighter now)

1.0.5 Andromeda | 14 August 2018

UI Changes

- Brought back *AppInventor Color Picker*
- Added clickable links to "*Learn more at*" in components info

Improvements

- Improved *Loading Project* time
- Added warning when using *Builder* over *HTTPS*
- Removed some *unused libraries* from APKs
- Integrated ***Fabric*** into Kodular Apps
 - Now we will get detailed crash info thanks to *Crashlitics*, which will help us to fix bugs
 - You can check the bugs that are being tracked in [this repository](#)

Bugs Fixed

- Fixed ***AdMob Rewarded Video*** (Sometimes ad weren't showing)
- Fixed ***Assets Manager*** (Internal Error appeared sometimes)
- Fixed ***OCR Component*** (NoPeer Certificate when making request)
- Fixed ***AdMob Consent*** (Title was shown instead of Message)
- Fixed ***Search Components*** (Search was performed using Component Class instead of Component Name)