

Properties of a YAML File

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This document is designed to guide engineers and API documentation contributors to write properly formatted YAML files. Following this guide will cut down on broken documentation builds and reduce the time it takes to troubleshoot and fix YAML files.

As a general rule, always run your YAML file through our doc linter (DLinter) to confirm the format is correct and to fix any issues the linter may provide warnings or errors.

If you have any questions about this document, need help formatting or starting a YAML doc, please reach out to Brian Immel.

Top level properties

Property	Purpose	Type	Example
---	The opening of the yaml file should include this "marker".	n/a	---
name	Name of the module.	String	name: Titanium.Accelerometer
summary	Summary of the module.	String with mixed content.	summary: The top-level Accelerometer module...
description	Description of the module.	String with mixed content.	description: An accelerometer is a hardware unit...

extends	Extends another module. This brings in content from another module.	String with link to another module.	<code>extends: Titanium.Module</code>
since	Which release this module was introduced.	String, number or object.	<code>since: 0.1</code>
platforms	List of platforms this module works with.	String or array.	<code>platforms: [android, iphone, ipad]</code>
creatable	If the module is creatable.	Boolean (true/false).	<code>creatable: false</code>
excludes	Exclude select pieces of extended module.	String or Object with nested array.	<code>excludes: { methods: [addEventListener, applyProperties, fireEvent, removeEventListener] }</code>

Properties

Property	Purpose	Type	Example
properties	Header for properties section.	n/a	<code>properties:</code>
name	Property name.	String	<code>name: lastEvent</code>
summary	Property summary.	String with mixed content	<code>summary: JSON representation of the last Analytics event generated.</code>
description	Property description.	String with mixed content	<code>description: LastEvent is the JSON version...</code>
type	Property type.	String or nested string	<code>type: String</code>
platforms	Property platforms.	String or array	<code>platforms: [android, iphone, ipad]</code>

permission	Property permission.	String with either 'read-only' or 'write-only' values	permission: read-only
osver	Property osver.	Object with nested objects	osver: {android: {max: "4.1"}}
accessors	Property accessor.	Boolean (true/false)	accessors: false
availability	Property availability.	Only has one string value: 'creation'	availability: creation
value	Property value.	String or number	value: "public.text"
since	Which release this property was introduced.	Number or object	since: 3.1.2
constants	Property constant.	String or array	constants: Titanium.Android.SCREEN_ORIENTATION_*
deprecated	Property deprecated object.	Number	deprecated:
(deprecated) since	Which release this property was deprecated.	Number or object	since: 2.0.0
(deprecated) removed	Which release this property was removed.	Number	removed: 3.3.0
(deprecated) notes	Property deprecated summary.	String with mixed content	notes: Use Titanium.Android.Activity.onCreate instead.
default	Property default.	Simple string, NO mixed content	default: null
examples	Header for the examples section of a property.	n/a	examples:
title	Example title (similar to event names) of a property.	String	title: Basic Accelerometer Event
example	Example of the example (similar to event description) of a property.	String with mixed content	example: Adds an accelerometer update event listener...

Methods

Property	Purpose	Type	Example
methods	Header for the methods section.	n/a	methods:
name	Method name.	String	name: addEvent
summary	Method summary.	String with mixed content	summary: Sends a generic event for...
description	Method description.	String with mixed content	description: LastEvent is the JSON version...
deprecated	Method deprecated object.	n/a	deprecated:
(deprecated) since	Method deprecated since. Which release this method was deprecated.	Number, string, or object	since: 2.0.0
(deprecated) removed	Method deprecated removed. Which release this method was removed.	Number or string	removed: 3.3.0
(deprecated) notes	Method deprecated summary.	String with mixed content	notes: Use Titanium.Android.Activity.onCreate instead.
returns	Method return object.	n/a	returns:
(returns) type	Method return type.	String, nested string, link, or nested link	type: Number
parameters	Method parameters header.	n/a	parameters:
(parameters) name	Method parameter name.	String	name: type
(parameters) summary	Method parameter summary.	String with mixed content	summary: Event type.
(parameters) type	Method parameter type.	String or nested string	type: String
(parameters) optional	Method parameter optional.	Boolean (true/false)	optional: true
(parameters) default	Method parameter default.	String with mixed content	default: null
platforms	Method platforms.	String or array	platforms: [android, iphone, ipad]
since	Method since. Which release this method was introduced.	Number or object	since: 4.1.0

Events

Property	Purpose	Type	Example
events	Header for the events section.	n/a	events:
name	Event name.	String	name: update
summary	Event summary.	String with mixed content	summary: Fired when the accelerometer changes.
properties	Event properties header.	n/a	properties:
(properties) name	Event property name.	String	name: timestamp
(properties) summary	Event property summary.	String with mixed content	summary: Reference timestamp since the previous...

Examples

Property	Purpose	Type	Example
examples	Header for the examples section.	n/a	examples:
title	Example title (similar to event names).	String	title: Basic Accelerometer Event
example	Example description.	String with mixed content	example: Adds an accelerometer update event listener...

Working YAML Example

The following code snippet represents an example of using the above information to generate an API document.

```

---
name: Titanium.Accelerometer
summary: The top-level API module, containing methods to output messages to the system log.
since: 0.1.0
platforms: [android, iphone, ipad]

properties:
name: lastEvent
  summary: JSON representation of the last Analytics event generated.
  type: String
  platforms: [android, iphone, ipad]
  default: null
  since: 0.1.0

methods:
name: addEvent
  summary: Send a generic event for ....
  since: 0.3.0
  parameters:
    name: type
    summary: Event type.
    type: String
    platforms: [android, iphone, ipad]
name: addMultiEvent
  summary: Send multiple generic events for ....
  since: 0.2.0
  deprecated:
    since: 0.3.0
    notes: Use Titanium.Android.Activity.onCreate instead.
    platforms: [android]
  parameters:
    name: type
    summary: Event type.
    type: String
    platforms: [android, iphone, ipad]
---

```

Notes

If a property ends with "|", then the content of that property is found on the next line(s). These indicators are typically found in summaries, descriptions, and examples.

Platforms are typically an array but can be a single value as well. For example: '[android, iphone, ipad]' though sometimes the array contains a single value (i.e. '[android]').

Since is always be a number format as "#.#.#", '#.#.#', or #.#.#. The recommended format for a number is #.#.#. Sometimes, this value will be an object that lists the platform and then the version it was introduced in. For example: '{android: "3.2.0", iphone: "3.1.0", ipad: "3.1.0"}'.

Also, in some rare cases, some modules use since as an object with nested attributes. For example:

```
since:
  android: 5.4.0
  iphone: 5.4.0
  ipad: 5.4.0
```

Types values can be a string, string with a nested object, link to another module, or string with nested link to another module. Examples: string: 'Array', nested object: 'Array<String>', link: 'Titanium.App.iOS.SearchableItemAttributeSet', string with nested link: 'Array<Titanium.App.iOS.UserNotificationAction>'.

Constants can be a string or array with a list of "constants" (typically pulled from other modules). Constant example: string: 'constant'. Constant arrays can list the constants as a hard list ('[A,B,C]') or use a wildcard ('[A*,B*,C*]') to pull in any other constant with similar name matches.

The osver property contains objects with one or more nested objects. The format typically looks like this: {<platform>: {'min'/'max': "#.#"}}. For example, a single nested object can look like this: {android: {max: "4.1"}}

Objects with nested multiple objects: {android: {min: "4.1"}, ios: {min: "5.0"}}

In some rare cases, some modules use since as an object with nested attributes. For example:

```
osver:
  ios:
    min: 4.3
```

Excludes can come in a few forms: object with nested array or nested object(s) with the following nested objects containing arrays: events, methods, properties.

Examples

- nested array: { methods: [addEventListener, applyProperties, fireEvent, removeEventListener] }
- nested objects
 - properties: [bubbleParent]
 - methods: [addEventListener, applyProperties]
 - events: ['focus', 'pinch', 'longclick']

Other considerations

Comments within the yaml document (lines that start with '#') are commented out from the HTML output. Only use comments if necessary.

Spaces before or after a ":" character in a property is handled gracefully by the interpreter. Sometimes, contributors put a space between the property and colon. While we should strictly enforce the no space policy between a property and colon, the interpreter can handle a single space character without breaking the output.