

Deprecated APIs

APIs that have been deprecated should not be used. If you use an API after it is deprecated, your channel may not pass [certification](#).

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By removing these components from your channel proactively, you will ensure your channel is unaffected by the deprecation process. The [Roku OS Release Notes](#) document which APIs are being deprecated with each release.

Deprecation schedules

For some APIs there is a two-year deprecation schedule to give developers time to transition:

- July 1, 2017: All new channels must use SceneGraph or Direct Publisher
- January 1, 2018: All channel updates must use SceneGraph or Direct Publisher

Below is a list of the legacy visual screen and associated event components that are deprecated according to this schedule.

Legacy component to deprecate	Associated event component to deprecate
roCaptionRenderer	roCaptionRendererEvent
roCodeRegistrationScreen	roCodeRegistrationScreenEvent
roGridScreen	roGridScreenEvent
roKeyboardScreen	roKeyboardScreenEvent
roImageCanvas	roImageCanvasEvent
roListScreen	roListScreenEvent
roMessageDialog	roMessageDialogEvent
roOneLineDialog	roOneLineDialogEvent
roParagraphScreen	roParagraphScreenEvent
roPinEntryDialog	roPinEntryDialogEvent
roPosterScreen	roPosterScreenEvent
roSearchHistory	
roSearchScreen	roSearchScreenEvent
roSlideShow	roSlideShowEvent
roSpringboardScreen	roSpringboardScreenEvent
roTextScreen	roTextScreenEvent
roVideoScreen	roVideoScreenEvent

Deprecated runtime function Eval()

Eval()

Eval() is deprecated effective immediately. All use of Eval() should be removed from BrightScript usage.

As described in [Roku Channel Manifest](#):

- In Roku OS 9 with `rsg_version=1.2`, use of the runtime function Eval() will result in a compile time error.
- In Roku OS 9 other usage of Eval() is not thread-safe and may result in runtime errors.

Deprecated fields, methods and attributes

Fields, methods or attributes can be deprecated for a component that is itself not deprecated.

- For [Content Meta-Data](#) several attributes have been deprecated.
- For [Roku Channel Manifest](#) several attributes have been deprecated.

ifDeviceInfo

Several properties of ifDeviceInfo have been deprecated and will be removed from the firmware in the Spring 2019 OS update.

These methods of ifDeviceInfo have been replaced with similar methods as of Roku OS 8.1.

Deprecated method	Replacement method
GetDrmInfo()	GetDrmInfoEx()
GetAdvertisingId()	GetRIDA()
IsAdIdTrackingDisabled()	IsRIDADisabled()
GetClientTrackingId()	GetChannelClientId()
GetDeviceUniqueId()	GetChannelClientId()

ifUrlTransfer

One method is deprecated `UrlEncode(url as String)`.

roAudioPlayerEvent

Several fields have been deprecated.

Deprecated components

ifCaptionRenderer

This interface is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

ifCodeRegistrationScreen

This interface is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

ifFontMetrics

This interface is deprecated. Developers should use the [roFont](#) methods ([GetOneLineHeight](#) and [GetOneLineWidth](#)).

ifGridScreen

This interface is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

ifImageCanvas

This interface is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

ifKeyboardScreen

This interface is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

ifListScreen

This interface is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

ifMessageDialog

This interface is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

ifOneLineDialog

This interface is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

ifParagraphScreen

This interface is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

ifPinEntryDialog

This interface is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

ifPosterScreen

This interface is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

ifSearchHistory

This interface is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

ifSearchScreen

This interface is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

ifSlideShow

This interface is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

ifSpringboardScreen

This interface is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

ifTextScreen

This interface is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

ifVideoScreen

This interface is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

roCaptionRenderer

This component is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

roCaptionRendererEvent

This component is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

roCodeRegistrationScreen

This component is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

roCodeRegistrationScreenEvent

This component is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

roFontMetrics

This component is deprecated. Developers should use [roFont](#) methods ([GetOneLineHeight](#) and [GetOneLineWidth](#)).

roGridScreen

This component is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

roGridScreenEvent

This component is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

roImageCanvas

This component is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

roImageCanvasEvent

This component is deprecated. Beginning July 1st, 2017, any new channels using this component will be rejected during certification.

roKeyboardScreen

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roKeyboardScreenEvent

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roListScreen

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roListScreenEvent

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roMessageDialog

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roMessageDialogEvent

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roOneLineDialog

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roOneLineDialogEvent

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roParagraphScreen

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roParagraphScreenEvent

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roPinEntryDialog

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roPinEntryDialogEvent

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roPosterScreen

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roPosterScreenEvent

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roSearchHistory

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roSearchScreen

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roSearchScreenEvent

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roSlideShow

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roSlideShowEvent

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roSpringboardScreen

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roSpringboardScreenEvent

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roTextScreen

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roTextScreenEvent

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roVideoScreen

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roVideoScreenEvent

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