

Alexa Presentation Language (APL) – Events

Document & Built-in Components

Base Component (BC)

actions
handleTick
onMount
onCursorEnter
onCursorExit

Actionable Component (AC)

onFocus
onBlur
handleKeyDown
handleKeyUp

Multi-Child Component (MC)

Touchable Component (TC)

gestures
onPress
onDown
onUp
onMove
onCancel

Document

onMount
onConfigChange
onDisplayStateChange

Container → (BC, MC)

EditText → (AC, BC)

onTextChange
onSubmit

Frame → (BC)

GridSequence → (AC, BC, MC)

onScroll

Image → (BC)

onLoad
onFail

Pager → (AC, BC, MC)

onPageChanged

ScrollView → (AC, BC)

onScroll

Sequence → (AC, BC, MC)

onScroll

Text → (BC)

TouchWrapper → (AC, BC, TC)

VectorGraphic → (AC, BC, TC)

onLoad
onFail

Video → (BC)

onPlay
onPause
onEnd
onTimeUpdate
onTrackReady
onTrackUpdate
onTrackFail

Alexa Presentation Language (APL) – Events

Gestures

DoublePress

onDoublePress
onSinglePress

LongPress

onLongPressStart
onLongPressEnd

SwipeAway

onSwipeMove
onSwipeDone

Tap

onTap

Alexa Presentation Language (APL) – Events

Responsive Components (Composite Components)

AlexaButton
primaryAction

AlexaCheckbox
primaryAction

AlexaHeader
headerBackButtonCommand

AlexaIconButton
primaryAction

AlexaImageListItem
primaryAction

AlexaRadioButton
primaryAction

AlexaSlider
handleKeyDownCommand onBlurCommand onDownCommand onFocusCommand onMoveCommand onUpCommand

AlexaSliderRadial
onDownCommand onMoveCommand onUpCommand

AlexaSwipeToAction
button1Command button2Command onButtonsHidden onButtonsShown onSwipeDone onSwipeMove primaryAction

AlexaSwitch
primaryAction

AlexaTextListItem
primaryAction

AlexaTransportControls
primaryControlPauseAction primaryControlPlayAction secondaryControlsLeftAction secondaryControlsRightAction

No Events:

- AlexaBackground
- AlexaDivider
- AlexaFooter
- AlexaImage
- AlexaOrdinal
- AlexaPageCounter
- AlexaProgressBar
- AlexaProgressBarRadial
- AlexaProgressDots
- AlexaRating

Alexa Presentation Language (APL) – Events

Responsive Templates

AlexaDetail

button1PrimaryAction
button2PrimaryAction
headerBackButtonCommand

AlexaGridList

headerBackButtonCommand
primaryAction

AlexaHeadline

headerBackButtonCommand

AlexaImageList

headerBackButtonCommand
primaryAction

AlexaLists

headerBackButtonCommand
primaryAction

AlexaPaginatedList

headerBackButtonCommand
primaryAction

AlexaTextList

headerBackButtonCommand
primaryAction

Alexa Presentation Language (APL) – Commands (1 of 2)

Common Properties – All Commands

* type: String
description: String
delay: Integer
screenLock: Boolean
sequencer: String
when: Boolean

Standard Commands

AnimateItem

* duration: Integer
* value: Array of animated props
componentId: String
easing: Enum
repeatCount: Integer
repeatMode: Enum

AutoPage

componentId: String
count: Integer
duration: Integer

ClearFocus

Finish

Idle

OpenURL

* source: String
onFail: Array of Commands

Parallel

* commands: Array of Commands

Reinflate

Scroll

componentId: String
distance: Number

ScrollToComponent

componentId: String
align: Enum

ScrollToIndex

* index: Integer
componentId: String
align: Enum

Select

* commands: Array of Commands
data: Array
otherwise: Array of Commands

SendEvent

arguments: Array of objects
components: Array of strings

* required

Alexa Presentation Language (APL) – Commands (2 of 2)

Sequential

* commands: Array of Commands
catch: Array of Commands
finally: Array of Commands
repeatCount: Integer

SetFocus

componentId: String

SetPage

* value: Integer
componentId: String
position: Enum

SetState (deprecated)

SetValue

* property: String
* value: String
componentId: String

SpeakItem

componentId: String
align: Enum
highlightMode: Enum
minimumDwellTime: Integer

SpeakList

* count: Integer
* start: Integer
componentId: String
align: Enum
minimumDwellTime: Number

Media Commands

PlayMedia

* source: URL or Source array
componentId: String
audioTrack: Enum

ControlMedia

* command: Enum
componentId: String
value: Integer

User-Defined Command

* commands: Array of Commands
parameters: Array of params
description: String