

# Event Types

## Description

Enumerator to identify the different types of events. See [Event Constructor](#) and [Event](#) for details.

Available in: Processor.

## Event Types

The event type can be determined with these names or indices.

Index	Name	Description
1	EventType.noteOn	Note-on events.
2	EventType.noteOff	Note-off events.
3	EventType.controller	Continuous controller events.
4	EventType.noteExpression	Note expression events.
5	EventType.programChange	Only used for Standard MIDI files.

## Example

```
-- print the event type
function printEventType(event)
  if event.type == EventType.noteOn then
    print("Note-on event received!")
  elseif event.type == EventType.noteOff then
    print("Note-off event received!")
  elseif event.type == EventType.controller then
    print("Controller event received!")
  elseif event.type == EventType.noteExpression then
    print("Note Expression event received!")
  end
end

function onNote(event)
  printEventType(event)
  postEvent(event)
end

function onRelease(event)
  printEventType(event)
  postEvent(event)
end

function onController(event)
  printEventType(event)
  postEvent(event)
end

function onNoteExpression(event)
  printEventType(event)
  -- postEvent(event), not needed for note expression
end
```

See Also: [Event Constructor](#), [Event](#)