
echokit Documentation

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Contents:

1	Requests	1
1.1	Handling Requests	1
1.1.1	Setup/verification	1
1.1.2	Responding	1
1.1.2.1	Example	3
1.1.3	Decorators	3
1.1.3.1	Usage	3
2	Indices and tables	5
	Python Module Index	7

For more info, see: [JSON Interface Reference for Custom Skills](#)

Handling Requests

Setup/verification

`echokit.application_id`

Set to your skill's application ID, found in the [Alexa dev portal](#).

`echokit.verify_application_id = True`

If **True**, will verify the application ID in each request against `echokit.application_id`, logging an error and raising a `ValueError` exception upon mismatch. If **False**, will ignore the ID and continue as normal.

Type `bool`

`echokit.handler(event, context)`

Handles incoming Lambda requests and routes them to the appropriate function based on the `@echokit.on_session_launch`, `@echokit.on_session_ended`, `@echokit.on_intent()` and `@echokit.fallback` decorators.

Assign `handler == echokit.handler` in your main module and set `[your_module].handler` as the handler in your Lambda function's configuration.

Responding

`echokit.ask(speech, reprompt=None, ssml=False, session_attributes=None)`

Ask the user a question. By default, `shouldEndSession` is `False`

Parameters

- **speech** (`str`) – *OutputSpeech* text for response
- **reprompt** (`str`) – *OutputSpeech* text to reprompt the user

- **ssml** (*bool*) – *True* if speech text is in SSML format (default: *False*)
- **session_attributes** (*dict*) – Session attributes to set

`echokit.tell(speech, ssml=False)`

Tell the user something. By default, *shouldEndSession* is *True*. Additions can be made via the [ASKResponse](#) methods, such as adding a card like `echokit.tell('Hi').simple_card('Hello!', 'How are you?')`

Parameters

- **speech** (*str*) – *OutputSpeech* text for response
- **ssml** (*bool*) – *True* if speech text is in SSML format (default: *False*)

class `echokit.ASKResponse`

Base class for responses. `echokit.ask()` and `echokit.tell()` are convenience methods which generate this class.

should_end_session (*end_session*)

Parameters **end_session** (*bool*) – *True* or *False* to end the session

simple_card (*title=None, content=None*)

Attaches a *Simple* type card to your response

standard_card (*title=None, text=None, small_image_url=None, large_image_url=None*)

Attaches a *Standard* type card to your response

Parameters

- **title** (*str*) –
- **text** (*str*) –
- **small_image_url** (*str*) –
- **large_image_url** (*str*) –

link_account_card (*content=None*)

Attaches a *LinkAccount* type card to your response

session_attributes (*session_attributes*)

Parameters **session_attributes** (*dict*) – Session attributes to set in your response

reprompt (*speech, ssml=False*)

Attaches a reprompt to your response

Parameters

- **speech** (*str*) – Speech text
- **ssml** (*bool*) – Set to *True* if using SSML

speech (*text, ssml=False*)

Attaches *OutputSpeech* to your response

Parameters

- **text** (*str*) – Speech text
- **ssml** (*bool*) – *True* if speech text is in SSML format

Example

```
import echokit

handler = echokit.handler
echokit.application_id = "my_app_id"
```

Decorators

`@echokit.on_session_launch`

Designates handler function for `LaunchRequest`

`@echokit.on_session_ended`

Designates handler function for a `SessionEndedRequest`

`@echokit.on_intent(intent_name)`

Designates handler function for an `IntentRequest` matching *intent_name*

Parameters *intent_name* (*str*) – Name of the intent to handle (`Intent.name`)

`@echokit.slot(name, dest=None)`

Causes the value of the slot to be passed to your function as keyword param *name*, or one set in *dest* (ex: if an `IntentRequest` sends you a slot named ‘*manufacturer*’ in your interaction model, set `@slot(name='manufacturer')` and its value will be passed).

Parameters

- **name** (*str*) – Name of the slot received in the request (by default, will be passed to your function as a keyword argument)
- **dest** (*str*) – (Default: *None*) Set to change the keyword argument passed to your function

`@echokit.fallback`

Designates the handler function for any `IntentRequest` whose name doesn’t have an associated handler via `@echokit.on_intent()`. If not used, will default to:

`echokit.fallback_default(request, session)`

The default handler for incoming intent requests where the intent name doesn’t match anything handled via `@echokit.on_intent()` and no handler has been specified via `@echokit.fallback`.

Returns PlainText speech: “*Sorry, I didn’t understand your request*”

Return type Response

Usage

Handler functions should accept a single argument, which will be a wrapper for the request/session/context/version received. If you use the `@slot` decorator, it should accept the slot’s name or the value set for *dest*:

```
@echokit.on_session_launch
def session_started(request_wrapper):
    return echokit.ask('You just started a new session!')

@echokit.on_intent('OrderIntent')
@echokit.slot('MenuItem', dest='menu_item')
def order_intent(request_wrapper, menu_item):
    request = request_wrapper.request
```

```
return echokit.tell(f"You just ordered {menu_item}")\
    .simple_card(title="Previous order", content=menu_item)
```


CHAPTER 2

Indices and tables

- `genindex`
- `modindex`
- `search`

e

echokit, [1](#)

A

application_id (in module echokit), 1
ask() (in module echokit), 1
ASKResponse (class in echokit), 2

E

echokit (module), 1

F

fallback() (in module echokit), 3
fallback_default() (in module echokit), 3

H

handler() (in module echokit), 1

L

link_account_card() (echokit.ASKResponse method), 2

O

on_intent() (in module echokit), 3
on_session_ended() (in module echokit), 3
on_session_launch() (in module echokit), 3

R

reprompt() (echokit.ASKResponse method), 2

S

session_attributes() (echokit.ASKResponse method), 2
should_end_session() (echokit.ASKResponse method), 2
simple_card() (echokit.ASKResponse method), 2
slot() (in module echokit), 3
speech() (echokit.ASKResponse method), 2
standard_card() (echokit.ASKResponse method), 2

T

tell() (in module echokit), 2

V

verify_application_id (in module echokit), 1