

Invoke action

Overview

Invoke is a new action type that echoes a pre-defined payload back to your bot when a user performs an action. Invoke actions can occur as a result of button presses or card taps. Common uses of Invoke include sending back confirmations, item selections, and providing feedback or input to the bot.

Invoke does not produce an IM from the user that is visible in the chat stream. It is a silent callback to your registered bot endpoint URL.

Action schema

To include an Invoke action, simply define an Action object with the following properties:

- Type = "invoke"
- Value = any stringified JSON object
- Title = label or alt text (depending on whether it's a button or a tap action)

Example

```
{
  "type": "message",
  "text": "Check this out",
  "attachments": [
    {
      "contentType": "application/vnd.microsoft.card.hero",
      "content": {
        "title": "Here's a card",
        "text": "This is an example card that has an invoke action!"
        "buttons":
          [
            {
              "type": "invoke",
              "title": "Choice A",
              "value": "{\"choice\":\"choice.A\"}"
            },
            {
              "type": "invoke",
              "title": "Choice B",
              "value": "{\"choice\":\"choice.B\"}"
            }
          ]
      }
    }
  ]
}
```

The value payload must be a serialized JSON object. You can include identifiers or any other context necessary to carry out the operation.

Message schema

When the Invoke action is triggered by the user, the bot will receive an activity from the Bot Framework of type="Invoke". The activity will include the payload as defined in your Invoke action.

Example

```
{
  "type": "invoke",
  "value": {
    "choice": "choice.A"
  },
  "timestamp": "2017-02-10T04:11:19.614Z",
  "id": "f:6894910862892785420",
  "channelId": "msteams",
  "serviceUrl": "https://smba.trafficmanager.net/amer-client-ss.msg/",
  "from": {
    "id": "29:1Eniglq0-uVL83xNB9GU6w_G5a4SZF0gcJLprZzhtEbel21G_5h-
NgoprRw45mP0AXUIZVeqrSIHSYV4ntgfVJQ"
  },
  "conversation": {
    "id": "19:97b1ec61-45bf-453c-9059-6e8984e0cef4_8d88f59b-ae61-4300-bec0-
caace7d28446@unq.gbl.spaces"
  },
  "recipient": {
    "id": "28:8d88f59b-ae61-4300-bec0-caace7d28446",
    "name": "MyBot"
  },
  "entities": [
    {
      "locale": "en-US",
      "country": "US",
      "platform": "Web",
      "type": "clientInfo"
    }
  ]
}
```

Note that in this case, value is a JSON object, and not a serialized string.