

### Built in Slot Types

AMAZON.DATE	"today", "tomorrow", or "july"	"2015-07-00T9"
AMAZON.DURATION	"five minutes"	"PT5M"
AMAZON.FOUR_DIGIT_NUMBER	"nineteen eighty four"	1984
AMAZON.NUMBER	"five"	"5"
AMAZON.US_CITY	all US cities with pop. > 100K	"Seattle"
AMAZON.US_STATE	US states, territories, and D.C.	"John"
AMAZON.US_FIRST_NAME	recognizes popular first names	

### Sample Utterances

GetHoroscope what is the horoscope for {Sign}

GetHoroscope what will the horoscope for {Sign} be on {Date}

GetHoroscope get me my horoscope

GetHoroscope {Sign}

...

GetLuckyNumbers what are my lucky numbers

GetLuckyNumbers tell me my lucky numbers

...

MatchSign do {FirstSign} and {SecondSign} get along

MatchSign what is the relationship between {FirstSign} and {SecondSign}

The name of the intent on the left.

The phrase a user might speak to signal that intent on the right.

Slots {SlotName} are arguments to intents.

### Custom Slots Example

```
{ "intents": [
  { "intent": "GetHoroscope",
    "slots": [
      { "name": "Sign",
        "type": "LIST_OF_SIGNS" },
      { "name": "Date",
        "type": "AMAZON.DATE" }
    ] },
  { "intent": "MatchSign",
    "slots": [
      { "name": "FirstSign",
        "type": "LIST_OF_SIGNS" },
      { "name": "SecondSign",
        "type": "LIST_OF_SIGNS" }
    ] },
  { "intent": "GetLuckyNumbers" }
] }
```

<https://developer.amazon.com/public/solutions/alexa/alexa-skills-kit/docs/defining-the-voice-interface>

### Built-In Intents

AMAZON.CancelIntent	"Cancel," "Never mind," "Forget it"
AMAZON.HelpIntent	"Help," "Help me," "Can you help me"
AMAZON.NoIntent	"No," "No thanks"
AMAZON.RepeatIntent	"Repeat," "Say that again," "Repeat that"
AMAZON.StartOverIntent	"Start over," "Restart," "Start again"
AMAZON.StopIntent	"Stop," "Off," "Shut up"
AMAZON.YesIntent	"Yes," "Yes please," "Sure"

<https://developer.amazon.com/public/solutions/alexa/alexa-skills-kit/docs/implementing-the-built-in-intents>



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### Implement Built-in Intent Schema

```
{
  "intents": [
    { "intent": "GetFirstEventIntent",
      "slots": [
        { "name": "day",
          "type": "AMAZON.DATE" }
      ]
    },
    { "intent": "GetNextEventIntent" },
    { "intent": "AMAZON.HelpIntent" },
    { "intent": "AMAZON.StopIntent" }
  ]
}
```

### Implement Built-in Intent Code

```
@Override
public SpeechletResponse onIntent(final IntentRequest
request, final Session session)
    throws SpeechletException {
    log.info("onIntent requestId={}, sessionId={}",
request.getRequestId(),
    session.getSessionId());

    Intent intent = request.getIntent();
    String intentName = intent.getName();

    if ("GetFirstEventIntent".equals(intentName)) {
        return handleFirstEventRequest(intent,
session);
    } else if
("GetNextEventIntent".equals(intentName)) {
        return handleNextEventRequest(session);
    } else if
("AMAZON.HelpIntent".equals(intentName)) {
        // Handling for the help intent goes here
    } else if
("AMAZON.StopIntent".equals(intentName)) {
        // Handling for the stop intent goes here.
    } else {
        throw new SpeechletException("Invalid
Intent");
    }
}
```

### Implement Built-in Intent Code (cont)

```
}
}
```

### Response Object

```
{
  version: '1.0',
  response: {
    outputSpeech: { // Always part of the response
      type: 'PlainText', // Always this value
      text: 'Example speech' // Text that will be
spoken back to user
    },
    shouldEndSession: true, // Always part of the
response--boolean for if session has ended (no more
user input)
    reprompt: { // Optional, if you want to customize
what Alexa says if user doesn't respond correctly/at
all
      outputSpeech: {
        type: 'PlainText',
        text: 'Example reprompt'
      }
    },
    card: { // Optional, if you want to show a card in
the Echo app
      type: 'Simple',
      title: 'Example title',
      content: 'Example card content'
    }
  },
  sessionAttributes: {} // If you need some attributes
to be kept in the session
}
```

