

Slots, Slot Types, and Utterances

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Understanding Utterances 1/2

intent name

phrase

slot

airportInfoIntent flight delays for {AirportCode}

Understanding Utterances 2/2



Alexa, ask **Airport Info** about flight delays at ATL.

Interaction Model

airportInfoIntent airport status for {AirportCode}

airportInfoIntent flight delays at {AirportCode}

airportInfoIntent airport info at {AirportCode}

Slots



flight delays at {AirportCode}

Alexa, ask airport info for flight delays at ATL

Defining Slots


Intent Schema:

```
{
  "intents": [
    {
      "intent": "airportInfoIntent",
      "slots": [
        {
          "name": "AirportCode",
          "type": "FAACodes"
        }
      ]
    }
  ]
}
```

Amazon Provided Slot Types

- AMAZON.DATE
- AMAZON.DURATION
- AMAZON.TIME
- AMAZON.NUMBER
- AMAZON.US_CITY
- AMAZON.US_FIRST_NAME
- AMAZON.US_STATE
- AMAZON.LITERAL

Custom Slot Types

 flight delays at **{AirportCode}**

ABR	ABI
ADK	KKI
CAK	KQA
AUK	ALM
ALB	ABQ
WKK	AEX

Defining a Custom Slot Type 1/1

Adding slot type

Enter Type *

FAACODES

Enter Values *

Values must be line-separated

1	AAC
2	AAE
3	AAF
4	AAH
5	AAI
6	AAJ
7	AAK
8	AAL
9	AAM
10	AAN
11	AAO
12	AAQ
13	AAR
14	AAS
15	AAT
16	AAU

Delete

Cancel

Ok

Retrieving a Slot Value

Available as a property on the Intent Handler's request object

```
skill.intent('airportInfoIntent', {
  'slots':      { 'AirportCode': 'FAACodes' },
  'utterances': ['{|flight|airport} {|delay|status} {|info} {|for} {-|AirportCode}']
},
function(req, res) {
  var airportCode = req.slot('AirportCode');
  ...
});
```

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