

Alexa's Architectural Components

Alexa Service	<p>This is a free Service provided by Amazon, that any developer can leverage to build skills upon.</p> <p>It needs to be configured by developer(s) in order to correctly process the words uttered by users to the Echo Device.</p> <p>Additionally, this service:</p> <ul style="list-style-type: none">• Processes the user's input audio and maps it to an <i>Intent</i>.• Calls the appropriate API of a backend service• Receives text responses from a backend service, and forwards them on to the Echo Device• Receives visual responses from a backend service, and forwards them on to a mobile application
Amazon Developer Portal	<p>This is Amazon's Developer portal (developer.amazon.com).</p> <p>It allows developers to configure / specify the kinds of utterances and intents that the Alexa Service can handle.</p>
Amazon Alexa App	<p>This is the mobile app users have installed on their phones, where they can see any visual representation of a response to their utterance.</p>
Developer's Application Service	<p>This is where all the logic code for your Alexa Skill resides. This is the service that, once told what the user's <i>Intent</i> is, responds accordingly (i.e., by performing the corresponding action).</p> <p>It contains the publicly accessible API that the Alexa Service can call to complete various tasks.</p> <p>Upon completing the corresponding action for the <i>Intent</i>, it returns a text and/or visual response.</p>
Echo Device	<p>This is the physical Echo-enabled device (like the Echo Dot), which sits in front of users.</p> <p>It records audio uttered by users, and also echoes back an appropriate response.</p>

