

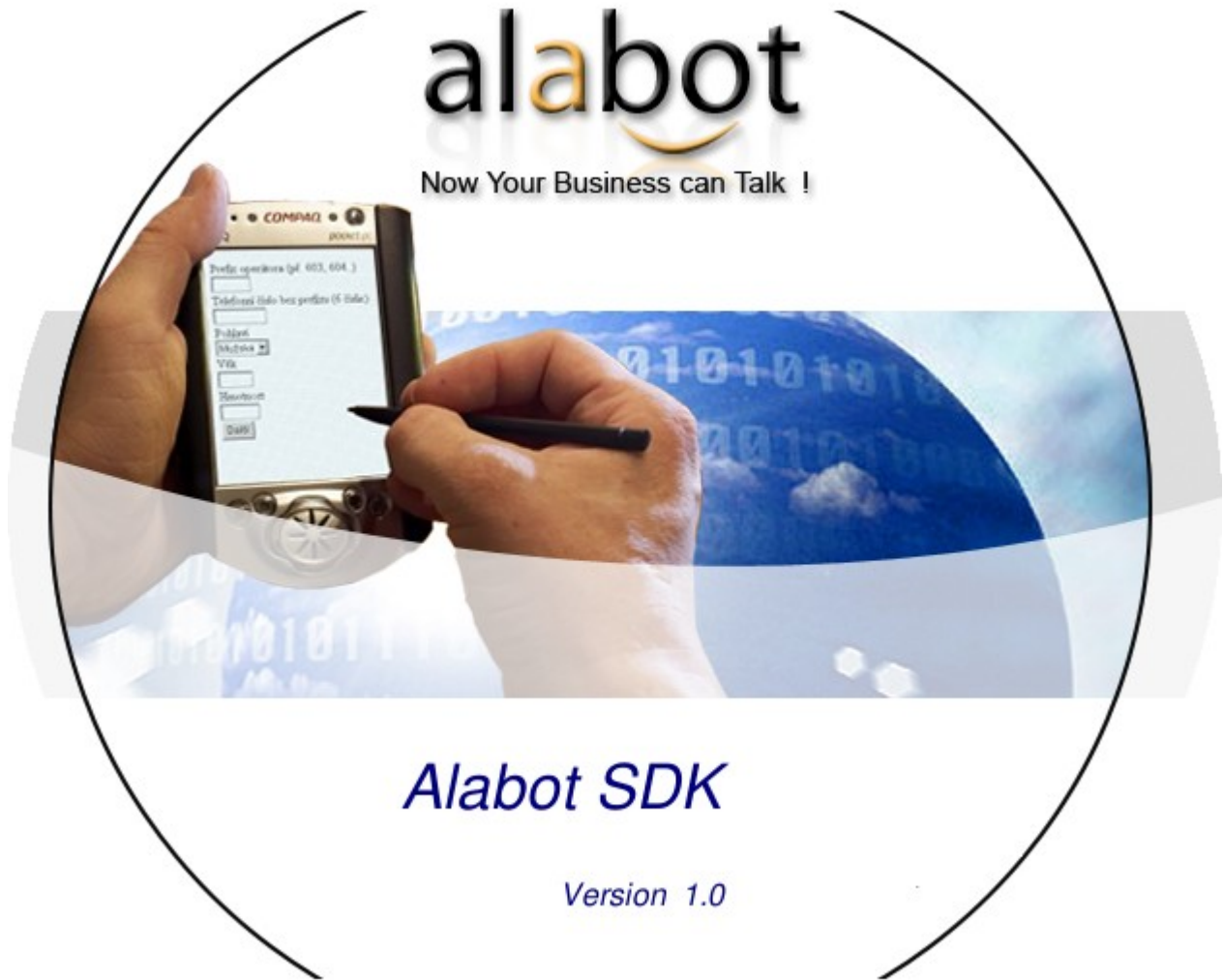
BETA

alabot

Now Your Business can Talk !

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Alabot SDK

Version 1.0

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Summary

This document describes the Alabot SDK and details how it is to be used to connect /integrate with business logic/back end.

The Alabot engine is used for interpreting user messages (NLP or natural language processing) in user's natural language (no need to remember any keywords or syntax) .

Using REST API developer can use Alabot for NLP analysis and use output for API call, or you can just use alabot services

Alabot REST SDK

Alabot SDK allows easy integration with the alabot engine and handles all plumbing work use, Developer can make rest calls to Alabot REST server using simple url and a developer api access key .

Following are the major part api call via REST call

- **msg** : User Message sent by end user
- **key** : Unique API Key access Key provided by Alabot
- **clientid** : Unique Key for each client session
- **getanswer** : Request to retrieve output
- **api** : if api is appended to REST API URL Alabot merely does the NLP analysis and returns output as a list of pairs of parameters and respective values



How to use API

API can be used for two purposes

- Use alabot services , where in alabot analyses the user message , calls respective services and delivers response
- Use alabot services for NLP analysis only as for api call, here alabot can be used extract necessary information as pair of parameters and their value

API Call Lifecycle

- **Submit User Message** :Use message is submitted for processing via msg=user message
 - if user message contains space or its more than one word make sure it s url encoded
 - Example:
 - user message : i want a tickt from delhi to poone on 2 march 1 adult
`http://alabot-api-srver/api/msg=i%20want%20a%20tickt%20from%20delhi%20to%20poone%20on%202%20march%201%20adult&key=PutYourApiACcessKeyHere&clientid=PutY ourClientIDHere`
 - **For NLP analysis only append api to url:** if its only NLP analysis append api in the message submission URL
 - Example:
`http://alabot-api-srver/api/msg=i%20want%20a%20tickt%20from%20delhi%20to%20poone%20on%202%20march%201%20adult&key=PutYourApiACcessKeyHere&clientid=PutY ourClientIDHere&api`
- **Fetch or Get alabot response** : Processing usually takes around 50 to 200 mili seconds , use get to fetch response .**Answers are stored as Stack** if they are two response you need use get answer twice
 - **if response is plain text forward it your end user** like mobile user through SMS or wap gate way



- **Process if output is NLP analysis** it will have **RestApiCall** at the start of response followed by list parameters and their values
- Format of NLP response is
 - **RestApiCall**:{parameter1=value, parameter2=value.....}
 - **Example** : For above example of user requesting a ticket from pune to delhi if **api** was appended to user message submission url then response would look like
 - RestApiCall: {montht=march, sourceCity=delhi, dayt=2, adultst=1, destCity=pune}



Operations

Send User Message

<http://alabotapi:8182/api/msg=hi&key=adcd&clientid=9877665421>

<http://alabotapi:8182/api/msg=looking%20for%20cheap%20hotels&key=adcd&clientid=4509871>

msg =hi User Message

key=abcd Api Access Key

clientid=9877665421 Client keyit should be unique

Send User Message and Request for NLP analysis only

<http://alabotapi:8182/api/msg=looking%20for%20cheap%20hotels&key=adcd&clientid=4509871&api>

api apend api to sumimission url

Retrieve Alabot's Answer to User Message

<http://alabotapi:8182/api/getanswer=yes&key=adcd&clientid=1>

getanswer=yes ...Requests to fetch answer

key=abcd Api Access Key

clientid=9877665421 Client key



Sample Output

User message : i want a tickt from delhi to poone on 2 march 1 adult

Npl Analysis Output : RestApiCall:{montht=march, sourceCity=delhi, dayt=2, adultst=1, destCity=pune}

Alabot as service output : For the 2 of march from delhi to pune I suggest the following flights - King Fisher Rs 4000 (Departure 7am , Arrival 10 am), Jet Airways Rs 5500 (Departure 9pm to Arrival 10:30 am)

Error Codes

- error:104 No user session found : User Session not found or exits
- error:102:Not Authenticated : Either access key provided is incorrect or not provided
- error:200 Answer is empty : Either All answer are fetched or there are no answers to be fetched (Answer Stack empty)



How to Request for your API key

You will need an API access key for making REST calls also an server side configuration if service requested is new or unique to your company

- Please write a email to info@alabot.com stating your requirements , about your company and estimated /maximum number of API calls in a day
- [Or just fill out Solution request form](#)