

Text to Speech and Speech to Text services with IBM Bluemix

This page reorganizes the operational steps for **Text to Speech and Speech to Text services with IBM Bluemix**.

Subscribe to IBM Bluemix and login to its web interface

```
http://www.ibm.com/cloud-computing/bluemix/
```

Log in and create your space.

400px

From the catalog, select the Speech to Text and Text to Speech and create the service.

400px

Credentials are automatically created and ready to be used.

400px

Insert the credentials in the relative section in MiRTA PBX. You can find the Voice Synthesizer section in both Admin/Settings and Configuration/Settings

400px

Be sure to not mix username and password when entering credentials in MiRTA PBX

UPDATE

IBM changed their API authentication, so only the API KEY is provided. You need to enter "apikey" as username and the key provided as password

IBM has changed the interface so to go straight to the API KEY, got to <https://cloud.ibm.com/resources>, select the Speech to Text or Text to Speech service and then press on "Complete Details", then you can check the API credentials

You need to locate this page and get the credentials highlighted:

400px

ANOTHER UPDATE

IBM has announced it will discontinue the current hard coded endpoint `stream.watsonplatform.net` and request you to check your account for the correct endpoint to use:

The pattern for the new URLs is `api.{location}.{offering}.watson.cloud.ibm.com`

For details on how to find and update the URL, see "Update endpoint URLs from `watsonplatform.net`" here:

<https://cloud.ibm.com/docs/watson?topic=watson-endpoint-change>

Yet Another update

The discontinuation of the old API is now complete. You need to enter the full URL for the service in the endpoint field, like

for Speech to text:

<https://api.us-east.speech-to-text.watson.cloud.ibm.com/instances/82bacdd-45ee-46ff-ba1a-3cd23425b3c1/v1/recognize>

for Text to speech:

<https://api.us-east.text-to-speech.watson.cloud.ibm.com/instances/7615166e-9aee-42db-71e8-52fd6fa50586f/v1/synthesize>

Current Verification

After applying the change, verify the related MiRTA PBX page, the Asterisk logs, and the relevant Status menu entry. Recheck tenant selection before testing tenant-specific behavior.

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