

The screenshot displays the IBM Bluemix DevOps Services interface. At the top, the browser address bar shows the URL: `https://hub.jazz.net/pipeline/ry6d3/speech-to-text-nodes-ry6d3-new`. The navigation bar includes links for DASHBOARD, MY PROJECTS, EXPLORE, HELP, BLOG, and COMMUNITY. The main header shows the project name: `ry6d3 | speech-to-text-nodes-ry6d3-new`, with buttons for EDIT CODE, TRACK & PLAN, and BUILD & DEPLOY.

The main content area is titled "Pipeline: All Stages". It shows a sequence of stages in a pipeline:

- Build Stage:** This stage is currently active and shows a "STAGE PASSED" status. It details the last input as "Last commit by Ravi kiran Y... 3 min ago" with a link to "second commit". Under the "JOBS" section, a job named "Build" is shown as "Succeeded 3 min ago". The "LAST EXECUTION RESULT" shows a successful build of "Build 3".
- Deploy Stage:** This stage is shown next in the pipeline, also with a "STAGE PASSED" status. It details the last input as "Stage: Build Stage / Job: B...". Under the "JOBS" section, a job named "Deploy to dev" is shown as "Succeeded just now". The "LAST EXECUTION RESULT" shows a successful deployment of "speech-to-text-nodes-ry6d3-new" with a link to "View runtime log".

A "+ ADD STAGE" button is visible to the right of the Deploy Stage.



Speech to Text

The IBM Speech to Text service uses speech recognition capabilities to convert English, Spanish, Brazilian Portuguese and Mandarin speech into text.

Resources:

[API Reference](#) [Documentation](#)

Transcribe Audio

Use your microphone (compatible only with [Google Chrome](#) and [Mozilla Firefox](#)), upload pre-recorded audio (WAV containing uncompressed audio or FLAC file formats), drag and drop recorded audio onto the page, or use the audio samples provided. The returned text includes metadata that provides the timestamps for start and end times of individual words, confidence scores behind those words, and alternative hypotheses for phrases.

Would you like to help make this service better?

- ☒ Allow to learn from this session
- ☐ Opt out

provided. The returned text includes metadata that provides the timestamps for start and end times of individual words, confidence scores behind those words, and alternative hypotheses for phrases.

US English broadband model (16KHz)

Record Audio Select File Play Sample 1 Play Sample 2

Text JSON

Currently another file is playing, please stop the file or wait until it finishes



My family absolute is fascinated by the work I'm doing with Watson and I think they feel a personal sense of pride and satisfaction out with the fact is not just technology for technology's sake is technology that's actually making a difference and and changing the world

Record Audio Select File Play Sample 1 Play Sample 2


Text JSON

Currently another file is playing, please stop the file or wait until it finishes

```
{
  "results": [
    {
      "alternatives": [
        {
          "timestamps": [
            [
              "my",
              0.81,
              0.92
            ]
          ],
          "transcript": "my "
        }
      ]
    }
  ]
}
```




← → ↻ 🏠 <https://hub.jazz.net/pipeline/ry6d3/text-to-speech-java-ry6d3/components/62fc5cbd-c5de-4056-94fc-ece45ceae213/apps/0fb54d49-aaeb-4157-9b1f->  

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 **text-to-speech-java-ry6d3** BUILD 2 [text-to-speech-java-ry6d3.mybluemix.net](#) REFRESH

DEPLOYED TO Target: IBM Bluemix US South / Organization: ry6d3@mail.umkc.edu / Space: dev UPDATED Thursday, November 19, 2015 8:22 AM

```
84 app_id:0fb54d49-aaeb-4157-9b1f-dbbfbae55633 x_global_transaction_id:"437515789"
19/11/2015 14:02:18 OUT API Updated app with guid 0fb54d49-aaeb-4157-9b1f-dbbfbae55633 ({ "name":"text-to-speech-java-ry6d3", "command":"PRIVATE DATA HIDDEN", "instan
s">1, "memory"->512, "environment_json"->"PRIVATE DATA HIDDEN"})
19/11/2015 13:57:27 OUT STG ----- Retrieving App Management 1.12.0_20151001-1521 (app-mgmt_v1.12-20151001-1521.zip) ... (0.0s)
19/11/2015 13:58:14 OUT App [INFO ] CMWKF00081: Feature update completed in 7.843 seconds.
19/11/2015 14:21:57 OUT STG ----- Retrieving com.ibm.ws.liberty-2015.10.0-0-201510060912.tar.gz ... (0.0s)
19/11/2015 14:21:58 OUT STG ----- Liberty buildpack is done creating the droplet
19/11/2015 14:21:58 OUT STG Installing archive ... (1.1s)
19/11/2015 14:22:35 OUT App [INFO ] CMWKF00071: Feature update started.
19/11/2015 14:21:58 OUT STG ----- Warning: Liberty feature set is not specified. Using the default feature set: ["beanValidation-1.1", "cdi-1.2", "cjbLite-3.2", "el-
3.0", "jaxrs-2.0", "jdbc-4.1", "jndi-1.0", "jpa-2.1", "jsf-2.2", "jsonp-1.0", "jsp-2.3", "managedBeans-1.0", "servlet-3.1", "websocket-1.1"].
For the best results, explicitly set the features via the JBP_CONFIG_LIBERTY environment variable or deploy the application as a server direct
ory or packaged server with a custom server.xml file.
19/11/2015 13:57:26 OUT STG ----- Liberty Buildpack Version: v2.1-20151006-0912
19/11/2015 13:57:55 OUT DEA Starting app instance (index 0) with guid 0fb54d49-aaeb-4157-9b1f-dbbfbae55633
19/11/2015 13:59:17 OUT App [INFO ] SESN85011: The session manager did not find a persistent storage location; HttpSession objects will be stored in the local applicat
ion server's memory.
19/11/2015 14:21:55 OUT STG ----- Downloaded app buildpack cache (4.0K)
19/11/2015 14:22:47 OUT App [AUDIT ] CMWKF00161: Web application available (default_host): http://194nhe3j1cf:61482/
19/11/2015 14:03:18 OUT RTR text-to-speech-java-ry6d3.mybluemix.net - [19/11/2015:14:03:18 +0000] "GET /js/browser-detect.js HTTP/1.1" 304 0 0 "http://text-to-speech-jav
a-ry6d3.mybluemix.net/" "Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/46.0.2490.86 Safari/537.36" 108.16
8.250.155:44521 x_forwarded_for:"23.228.135.60" x_forwarded_proto:"http" vcap_request_id:cfc14824-1152-4428-59b5-acf2254e2999 response_tim
e:0.011305295 app_id:0fb54d49-aaeb-4157-9b1f-dbbfbae55633 x_global_transaction_id:"308039585"
19/11/2015 14:03:18 OUT RTR text-to-speech-java-ry6d3.mybluemix.net - [19/11/2015:14:03:18 +0000] "GET / HTTP/1.1" 200 0 6701 "-" "Mozilla/5.0 (Windows NT 6.1; WOW64) App
leWebKit/537.36 (KHTML, like Gecko) Chrome/46.0.2490.86 Safari/537.36" 108.168.250.152:36240 x_forwarded_for:"23.228.135.60" x_forwarded_prot
o:"http" vcap_request_id:dc28cbe-1592-4e0d-6f89-94625ccc8ab9 response_time:0.011324636 app_id:0fb54d49-aaeb-4157-9b1f-dbbfbae55633 x_global_t
ransaction_id:"002682569"
19/11/2015 14:22:47 OUT App [AUDIT ] CMWKF00011: Application myapp started in 2.239 seconds.
```

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ASE DEMO



Text to Speech Starter Application

Try the service

Enter or paste the text to be synthesized into speech:

Hello welcome our demo page!

The text language must match the selected voice language: Mixing language (English text with a Spanish voice) does not produce valid results.

Select the Voice model:

English (en-US): Lisa (female)

Download

Speak

Output

0:02

The synthesized audio is streamed to the client as it is being produced, using the HTTP chunked encoding. The audio is returned in the [Ogg Vorbis](#) format which can be played using [VLC](#), [Audacity](#) and many other players.