



IDOL Speech Server

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Release Notes

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New in this Release

The following enhancements were added in Speech Server version 11.6.0.

- Text normalization support has been added for Gulf Arabic (ARGU), Modern Standard Arabic (ARMSA), US Spanish (ESUS), Farsi (FAIR), and Russian (RURU).
- The iVector base pack has been updated to improve speaker identification accuracy.
- In speaker identification, each speaker can now have multiple iVector-based templates.
- The default value for the `balanceBias` parameter in the `ivdevel` module has been changed to 0.3.
- Date and time options have been improved for Speech Server scheduling:
 - You can now configure schedules to run on a particular date in the month, or day of the week, both in the task schedule file and in the `AddSchedule` action. The `ListSchedules` action also now returns this information.
 - In the task schedules, you can now specify special placeholder values by using the format `{PLACEHOLDER}`, rather than `${PLACEHOLDER}`. The older format is still accepted.
 - You can now place a limit on the `{ITERATION}` placeholder, to cycle through a set of output files. For example, if you set `test-{ITERATION_5}.ctm` as your output file name in a schedule, Speech Server creates five output files with the names `test-0.ctm`, `test-1.ctm`, through to `test-4.ctm`, and then resets the value to 0 on the next iteration.
- You can now save schedules that you add as actions to a schedule configuration file by using the `SaveSchedules` action. You can also load a schedule from a schedule configuration file, or from a previously saved schedule configuration, by using the `LoadSchedules` action.
- You can now enable dial tone identification when performing audio category classification. The **audiopreproc** module has a new parameter `DoToneClass`, which you can set to `true`, `false`, or `auto`, to always do tone classification, never do tone classification, or to do tone classification for 8kHz (telephony) audio only. This parameter is also available as an action parameter for the `AudioAnalysis` and `SpeechSilClassification` tasks.
- The logic for audio category classification has been improved, leading to more reliable results.
- You can now configure IDOL Speech Server to upsample audio when required. In general, Micro Focus does not recommend upsampling, because it can reduce audio quality. However, you can use the new `AudioUpsampling` parameter to enable upsampling in cases where the audio sample rate is lower than required by a task. In this case, IDOL Speech Server upsamples the audio and logs a warning.
- You can now configure your authorization role `SSLIdentities` to identify clients by using an email address in the certificate `subjectAltName`. You can use an optional tag for each SSL identity to specify whether it is a **dns** or **email** type identity. If there is no tag, the server treats it as **dns** type. For example:

```
SSLIdentities=email:user@example.com,dns:admin.example.com,webapp.example.com
```
- When using GSS security, you can now configure the service to allow clients to authenticate to any service principal in the service's keytab, rather than requiring a single principal. You use this option by setting the `GSSServiceName` configuration parameter to an asterisk (*).

Resolved Issues

The following issues were resolved in IDOL Speech Server version 11.6.2.

- Javascript could be injected into the `GetRequestLog` response by sending actions to the server.

The following issues were resolved in IDOL Speech Server version 11.6.0

- Text normalization of Hindi text could result in an interruption of service.
- License related messages in the event log would appear from a different source to other messages.
- The `LogSysLog` logging configuration option did not output event logs.

Notes

These notes provide extra information about installing and using IDOL Speech Server.

- Installation on Linux requires the following software:
 - GLIBC_2.3.2
 - GLIBCXX_3.4.20
 - GCC_4.8.0
- If you install IDOL Speech Server 11.6.2 using the IDOL 11.6.2 installer program, you must ensure that you have a Speech Server license key in addition to the standard IDOL Server license key. The IDOL Server license key does not contain licensing information for Speech Server, and Speech Server cannot run using it.
- The Solaris operating system does not support the audio fingerprinting feature in Speech Server.
- On Linux platforms, you must include the configured `FFmpegDirectory` in the `LD_LIBRARY_PATH` environment variable. The default start script sets this environment variable when you start the server. However, if you change the directory or if you do not use the standard script, you must update the environment variable manually.

Documentation

The following documentation was updated for this release.

- *IDOL Speech Server Administration Guide*
- *IDOL Speech Server Reference*