



Hewlett Packard
Enterprise

HPE Speech Server

Software Version: 11.3.0

IDOL Speech Server Release Notes

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New in this Release

This section lists the enhancements to HPE Speech Server version 11.3.0.

- You can use the `SpeedBiasLevel` parameter in the `stt` module to quickly bias the decoder towards speed or accuracy in a single parameter.
- This release includes speed improvements of between 10%-25% (based on CPU type) for speech-to-text.
- You can specify word barring, punctuation, or both in all speech-to-text tasks by, for example, adding `Punctuation=True` to the action.
- Word recompounding is now performed automatically where necessary.
- This release includes a set of speaker identification tasks based on new iVector technology.
- This release includes a new approach for dealing with non-speech in language ID processing, leading to more stable results.
- Language ID classifier list files can now contain information on the sample frequency at which the classifiers may be used. The Language ID classifier packs supplied with Speech Server have been updated to include the relevant sample frequency information.
- This release includes optimization of the language identification boundary mode parameters, resulting in significant accuracy improvements.

In addition, you can use the new `MinPhones`, `SegmentMaxGap`, and `DiscardShortSegs` parameters for better control and tuning for language identification in boundary mode. For more information, see the *HPE IDOL Speech Server Reference*.

- You can use the `DiagLevel` and `DiagFile` parameters to produce diagnostic information for language identification. This functionality applies to the `LangID` module, and to the following standard tasks:
 - `LangIdSegWav`
 - `LangIdCumWav`
 - `LangIdBndWav`
 - `LangIdSegLif`
 - `LangIdCumLif`
 - `LangIdBndLif`
 - `LangIdSegStream`
 - `LangIdCumStream`
 - `LangIdBndStream`
- The `SSLCipherSuite` configuration parameter has been added. You can use this parameter to set an explicit list of ciphers to allow, or to disallow specific ciphers.
- The `SSLMethod` configuration parameter option `SSLV23` has been renamed to `Negotiate`. This option means that the server uses the highest available protocol in its SSL/TLS connections. The `SSLV23` name is still available, but might be deprecated in future.

Resolved Issues

This section lists the resolved issues in HPE Speech Server version 11.3.0.

- The `ListResources` action now includes speaker identification-related base resources.
- An issue that could occasionally lead to language ID results being truncated has been resolved.
- An issue that could cause a loss of service when aborting a task that had only just been submitted to the server has been resolved.

Notes

These notes provide extra information about installing and using HPE 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 11.3.0 using the IDOL 11.3.0 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.

Documentation

The following documentation was updated for this release.

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