



**Hewlett Packard**  
Enterprise

# **HPE Speech Server**

Software Version: 11.0.0

## **IDOL Speech Server Release Notes**

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## New in this Release

This section lists the enhancements to Speech Server version 11.0.0.

- This release includes a new version of the speaker identification functionality. The new system is faster, more efficient in terms of memory usage, and more scalable than the previous system. It also supports more options, and modes of operation.

The following default speaker identification tasks are available:

SpkIdDevel	SpkIdSetAdd
SpkIdDevelFinal	SpkIdSetDelete
SpkIdDevelStream	SpkIdSetInfo
SpkIdDevelWav	SpkIdTrain
SpkIdEvalStream	SpkIdTrainStream
SpkIdEvalWav	SpkIdTrainWav
SpkIdFeature	

The following speaker identification modules are available:

audiotemplatedevel
audiotemplateedit
audiotemplatescore
audiotemplatetrain

The `SidTrain`, `SidTrainFinal`, `WavSidTrain`, `WavSidOptimize`, `SidPackage`, `WavSpeakerId`, and `StreamSpeakerId` tasks are deprecated in this release. These tasks are still available for existing implementations, but might be incompatible with new functionality. The tasks might be deleted in future.

- This release includes an 8 kHz language ID classifier set for out-of-the-box telephony language identification.
- This release includes Hungarian text normalization.
- In addition to separating multiple custom language model declarations with a semicolon, you can now also use the following separator characters: `;``@``^``|`

This provides more flexibility in terms of file naming.

**Note:** You can use only a single separator character type within a single custom language model declaration string.

- This release includes several improvements to server shutdown response times:
  - Delays during the shutdown process are less common, and some tasks that could block shutdown have been improved so that they are more compliant.
  - The server now exits immediately if an error is detected during startup.
  - You can use the new `ShutdownTimeout` parameter in the `[Server]` section of the configuration file to specify the maximum number of seconds to wait for the server to shut down cleanly before forcibly terminating the process. For more information, see the *IDOL Speech Server Reference*.

## Resolved Issues

This section lists the resolved issues in Speech Server version 11.0.0.

- The `frontend` and `normalizer` modules in the language identification tasks have been updated to resolve an issue with the resource configuration for language identification on 8 kHz telephony audio files.
- An issue was resolved whereby the default language classifiers were not located unless the class path was explicitly specified.
- An issue was resolved that could cause silence markers to be mistakenly joined with other words when using the `PostProc` module's word compounding function for recombining word fragments.
- The normalizer now spells out ampersands outside words rather than deleting them. For example, `I like cheese & marmite.` is normalized as `I like cheese and marmite <s>`.
- The server now checks for any custom language models in excess of the permitted maximum of nine, and reports an error if the limit is exceeded.

# Notes

These notes provide extra information about installing and using 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 11.0.0 using the IDOL 11.0.0 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*