Honeywell

Guided Work Solutions

ToolVad 2.0.1

User Guide

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1

TOOLVAD

Introduction

The ToolVad utility provides two functions. Depending on the deployment scenario these functions can be used alone or together.

- ToolVad can modify an existing VAD file to allow an A700x to be used in embedded (device only) mode. ToolVad adds the necessary plug-in files and resource files to the GWS App VAD file.
- ToolVad provides a way to specify which of the 99 VCOMMANDs are to be enabled.

ToolVad is an executable file included as part of the GWS solution. ToolVad works with multiple GWS plug-ins such as the Checklist Plug-In, Distribution Plug-In, and the VoiceDirect ERP Plug-In.

ToolVad Options

The table below lists the available options for the ToolVad command.

The command options can be

- spelled out: two dashes (--) are required
- abbreviated: only a single dash (-) is required)

Option	Required	Description
-v <*vad-file*> --vad-file <*vad-file*>	Yes	<*vad-file*> specifies the VAD file to be modified.
-o --output-filename	No	Specifies the name of the resulting vad if Toolvad completes successfully.

Option	Required	Description
-p --plugin	No	Specifies the folder that contains a single valid plug-in. This directory and all its contents are copied to the vad with no modifications. **NOTE** This copy is recursive, which means that any subdirectories located inside this directory and those contents are also copied.
-r --resources	No	Specifies the folder that contains any files that need to be included for the vad to work. These include any resx files for localization. The contents of this directory are copied over to the vad. **NOTE** This copy is recursive, which means that any subdirectories located inside this directory and those contents are also copied.
--version	No	Shows the version information for ToolVad.
-? -h --help	No	Displays help and usage information for ToolVad.

Example Use Cases

All examples shown here are to be executed on a command line program. The examples below were ran on PowerShell.

Example 1

```
./Toolvad-2.0.0.exe -v file.vad -o result.vad
```

This example returns the same vad contents, as neither -r or -p flags were supplied to add content. ToolVad only creates a file named results.vad in the same location as the original file, file.vad.

Example 2

```
./Toolvad-2.0.0.exe -v file.vad -o result.vad -r “C:/resources”
```

This example returns a vad named result.vad in the same location where file.vad is located. All the contents inside “C:/resources” are copied over to the vad.

Example 3

```
./Toolvad-2.0.0.exe -v file.vad -o result.vad -p “D:/myCustomPlugin”
```

This returns a vad named result.vad in the same location where file.vad is located. Toolvad reads contents in “D:/myCustomPlugin”, verifies that it contains a single compatible plug-in, and copies the directory to the vad.

Example 4

```
./Toolvad-2.0.0.exe -v file.vad -o result.vad -p “D:/myCustomPlugin” -r
“C:/resources”
```

This returns a vad with both results from Examples 2 and 3. The plug-in located in “D:/myCustomPlugin” and the contents of “C:/resources” are copied into result.vad.

Features and Validations

- ToolVad logs important information when using -r and -p flags and informs users if the operation completes successfully.
- If the output filename already exists, ToolVad requests confirmation from the user if it should overwrite the file.
- If no output filename is provided, the suffix “-plugin” is added to the original filename by default.
- ToolVad automatically sets VoiceConsole’s Task Package Workflow value to “Plugin” and fills the Plugin field with the correct Plug-in connector value when using the -p flag. If a compatible plug-in contains several connectors, ToolVad asks which connector value is used to fill the Plugin field.
- When using -r, all resx files are validated and results from those validations are logged. Failing validations are categorized into Warnings and Errors. Warnings are logged and do not make ToolVad fail. Any Error found makes ToolVad stop on the error and NOT return any resulting file until that error is fixed.

- Localization uses a fallback structure. When adding resource files, the following should be included:
    1. Locale file (such as GWExternalResources.es-MX.resx)
    2. Neutral file (such as GWExternalResources.es,resx)
    3. Base file (which is GWExternalResources.resx

Scenario	Flag	Message Type	Toolvad stops	Result
GWExternalResources.resx file does not contain the three VCommand expected keys for any vcommand	-r	Error	Yes	VCommand is not added in base or any other language, even if the other language has the three keys.
GWExternalResources.resx contains more VCommand definitions than another language	-r	Warning	No	VCommands missing in other language are added first using neutral language and if still missing using base language (en-US) values for spoken and display.
GWExternalResources.xx.resx is missing for neutral language	-r	Warning	No	Vocab recognition does not work properly when only locale resources is added without neutral resource,
GWExternalResources.XX.resx contains more VCommand definitions than GWExternalResources.resx	-r	Warning	No	VCommands not added. GWExternalResources.resx is ignored for the XX language.
GWExternalResources.XX.resx does not contain keys for a vocab defined in the vocab list	-r	Warning	No	Default en-US value is added.

Scenario	Flag	Message Type	Toolvad stops	Result
GWExternalResources.XX.resx defines a different value for a VCOMMANDXX or a base vocab key than a GWExternalResources.resx	-r	Warning	No	For VCommands, the value is ignored and only the base resx value is kept. For any other vocab, the value is ignored unless the same key is used for base and spoken values, in which case ToolVad only updates the spoken value
Duplicate resx entries in same resx file	-r	Error	Yes	Resx key needs to be shown to the user
Two or more plug-ins are found in the plugins folder when using -p	-p	Error	Yes	ToolVad stops as only one plug-in is supported per vad.
No GWExternalResources.resx is found	-r	Error	Yes	ToolVad stops and duplicated keys are logged.

Please consult the *Guided Work Solutions App Localization Guide* provided with this document to learn more on how to configure vocabs and VCOMMANDS.

More Information

Information on using ToolVad for user-developed plug-ins is included in the *Guided Work Solutions Developer Guide* in the section titled "Use Embedded Mode on A700x Devices".

Information on using ToolVad for Honeywell provided plug-ins is included the following documents.

- *Guided Work Solutions Checklist Plug-In Integration Guide*
- *Guided Work Solutions Distribution Plug-In Integration Guide*
- *Guided Work Solutions VoiceDirect ERP Plug-In Implementation Guide*
- *Guided Work Solutions Scraping Plug-In Developer Guide*
- *Guided Work Solutions VoiceLink Plug-In Integration Guide*

Getting Help

Additional Documentation

Additional documentation may be found in your product package and on online partner portals.

Find most Honeywell Voice technical documentation at help.honeywellaidc.com.

Honeywell Voice Reseller Services

If you purchased equipment or services through a Honeywell Voice reseller, please contact your reseller first for support or to purchase a support plan.

Honeywell Voice Technical Support

Submit incidents or questions to honeywell.custhelp.com or contact Honeywell Technical Support Center:

- **Americas**
  Email: VoiceTechnicalSupport@Honeywell.com
  Phone: +1(866) 862-7877
- **Europe, Middle East, Africa**
  Email: VoiceTechnicalSupport@Honeywell.com
  Phone: +44 (0) 1344-65-6123
- **Rest of World**
  Email: VoiceTechnicalSupport@Honeywell.com
  Phone: +1 (412) 376-9384

To report support incidents or ask technical questions for other Honeywell devices, visit honeywell.com/PSStechnicalsupport.

Honeywell Voice Customer Service

For order placement or customer service inquiries:

- **North America, Latin America**
  Email: VoiceCustomerServiceAmericas@Honeywell.com
  Phone: +1(866)862-6553
- **Europe, Middle East, Africa, Turkey**
  Email: voicecustomerserviceEMEA@honeywell.com
  Phone: +44 (0) 1698-915777
- **Japan**
  Email: csjapan.pss@honeywell.com
  Phone: +81-3-6730-7344

- **Brazil**
  Email: ACSHSMCentraldepedidos@honeywell.com
  Phone: +55 (31) 2391-5600
- **Asia Pacific**
  Email: VoiceCustomerServiceAPAC@honeywell.com
  Phone: +44 16989 15777

Honeywell Voice Hardware Repair

For returns or to check the status of a Return Material Authorization (RMA) for Voice hardware products:

- **Americas**
  Email: VoiceRMA@Honeywell.com
  Phone: +1 (866) 417-6988
- **Europe, Middle East, Africa**
  Email: VoiceEMEARMA@honeywell.com
  Phone: +1 (866) 417-6988
- **Rest of World**
  Email: VoiceRMA@Honeywell.com

For returns or to check the status of an RMA for other Honeywell hardware products, visit the SPS RMA portal: sps-support.honeywell.com/s/pss/pss-rma

CHAPTER 2

HOW TO USE TOOLVAD

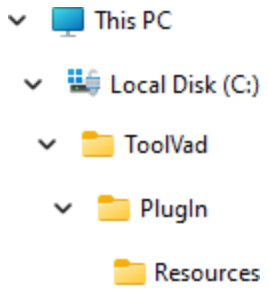
Use ToolVad to Add a Plug-In

Use the ToolVad command to specify the vad file to be modified, the name of the modified vad file, the folder containing the plug-in, and the folder containing any files to be included.

Example File Structure

In this example file structure:

- The ToolVad folder contains the original vad file and the ToolVad utility. For this example, assume the vad file is named GWS_App-X.Y.vad and the result is new.vad.
- The PlugIn folder contains a folder with each plug-in to add to the vad. For the VoiceDirect ERP Plug-In, this folder also contains a VoiceAttributes folder.
- The Resources folder contains any resource (.resx) files.



IMPORTANT
The Resources folder must contain three levels of resource files for localization:

1. Locale file (such as GWExternalResources.es-MX.resx)
2. Neutral file (such as GWExternalResources.es,resx)
3. Base file (which is GWExternalResources.resx

Run ToolVad

This set of instructions uses the example file structure above. It can be modified by specifying your desired file structure.

> **TIP**
> The examples below are for a Windows command prompt. The commands can be used with PowerShell by adding **./** to the beginning of the command.

1. Copy the files to a PC using the file structure above.
2. ToolVad is executed at an administrator command prompt. Open the command prompt in the folder where ToolVad is located or change the command prompt to that folder. In this example, it would be C:\Files\ToolVad
3. The command **ToolVad - - help** may be used to display help.
4. The command to add the plug-in to the vad would be

```
ToolVad.exe -v GWS_App-X.Y.vad -r <PlugIn>\Resources -o GWS_AppX.Y-New.vad
```

5. As the command executes, the following example messages are shown during a successful execution:

```
C:\ToolVad>ToolVad.exe -v GWS_App-X.Y.vad -r PlugIn\Resources -o GWS_AppX.Y-pluginNew.vad
Starting ToolVad..
Creating a copy of the vad file.
Using en-US for base vocab locale
Culture en found for update
Culture en-US found for update
Culture es found for update
Culture es-MX found for update
Adding PlugIn\Resources to VAD
Adding PlugIn\Resources\GWExternalResources.es-MX.resources.
Adding PlugIn\Resources\GWExternalResources.es-MX.resx.
Adding PlugIn\Resources\GWExternalResources.resources.
Adding PlugIn\Resources\GWExternalResources.resx.
ToolVad finished succesfully!

C:\ToolVad>
```

6. The command creates a new VAD file during execution, using the file name specified by the **output-filename** option.

The new vad file contains the GWS App task and the specified plug-in, allowing an A700x to be used in embedded mode.

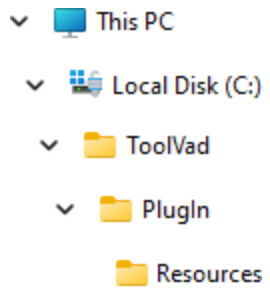
Use ToolVad to Add Resource Files

Use the ToolVad command to specify the vad file to be modified, and the folder containing any files to be included. This option keeps the original vad file name unless otherwise specified.

Example File Structure

In this example file structure:

- The ToolVad folder contains the original vad file and the ToolVad utility. For this example, assume the vad file is named GWS_App-x.x.x.vad and the result is new.vad.
- The PlugIn folder contains a folder with each plug-in to add to the vad. For the VoiceDirect ERP Plug-In, this folder also contains a VoiceAttributes folder.
- The Resources folder contains any resource (.resx) files.



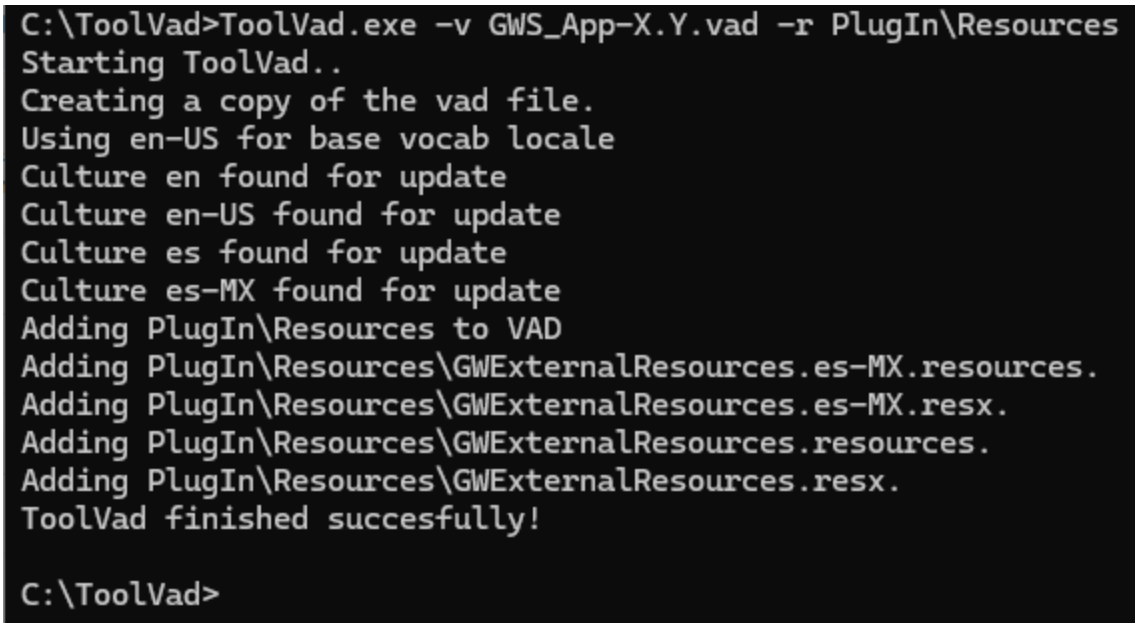
Run ToolVad

> **TIP**
> The examples below are for a Windows command prompt. The commands can be used with PowerShell by adding **./** to the beginning of the command.

1. Copy the files to a PC using the file structure above.
2. ToolVad is executed at a command prompt. Open the command prompt in the folder where ToolVad is located or change the command prompt to that folder.
3. The command **ToolVad - - help** may be used to display help.
4. The command to add the resources -in to the vad would be

```
ToolVad.exe -v GWS_App-X.Y.vad -r <PlugIn>\Resources
```

5. As the command executes, the following example messages are shown during a successful execution:



6. The command creates a new vad file during execution, using the file name specified by the **output-filename** option.

The new vad file contains the localization.

CHAPTER

3

TEMPLATE TRAINING

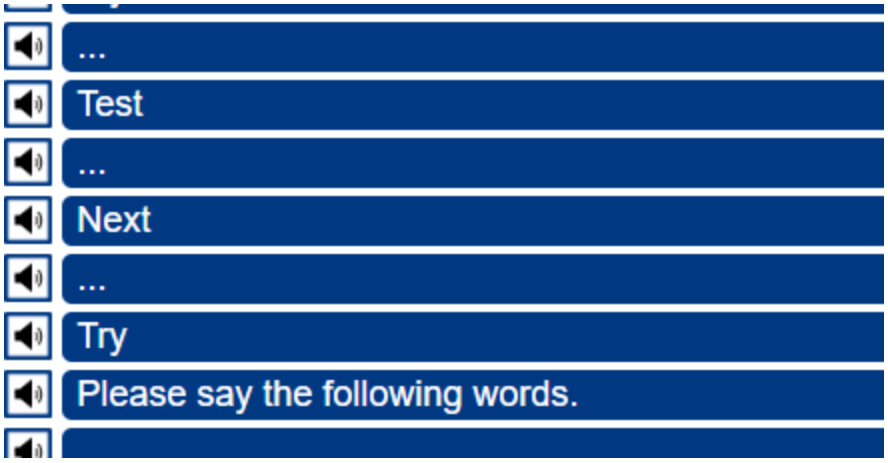
When the ToolVad utility is used any resource (resx) files are searched for resources in the following format:

```
VCOMMANDS[01..99]_Display and VCOMMANDS[01..99]_Spoken
```

The ToolVad opens the config.xml file (which is included inside the vad file) and adds these in the Phonetic section. When the vad is imported into VoiceConsole the config file is read. VoiceConsole uses this information to determine which words the operator must train. For example, the following information is inclided in the config file:

```
<phonetic phrase="vcommand01" substitution="try" display="Try" /><phonetic
phrase="vcommand02" substitution="next" display="Next" /><phonetic
phrase="vcommand03" substitution="test" display="Test" /></locale>
```

When the new vad file is loaded into VoiceConsole, it asks to train the following words that are not previously trained:



Resource Files

A resource file must be created for the plug-in in order to train commands.

1. In Microsoft Visual Studio, select: **Solution explorer** and right click to **Add**> **New Item** > **Resource File**.
2. For each VCOMMAND to be used, complete the entry for Display and Spoken.
3. Use one of the follwoing methods to add the VCOMMANDS to the workflow:
    - SetCommands: instr.SetCommands(command01: "This is try ", command02: "This is next");
    - SetCommand: instr.SetCommand(3, "This is test");

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