

Software Upgrade Procedure

VDS-II VDS SIP Passive

Release 5.0.x

VoiceCollect GmbH | Justus-von-Liebig-Str. 5 | 61352 Bad Homburg | Germany voicecollect@voicecollect.de

Table of Contens

1	Doc	ument History	.3
2	Purp	oose	.3
3	Rele	ase Notes	.3
	3.1	Version 5.0.5 (08-06-2020)	.3
	3.2	Version 5.0.4 (29-04-2020)	.3
	3.3	Version 5.0.3 (02-04-2020)	.4
	3.4	Version 5.0.2 (27-03-2020)	.4
	3.5	Version 5.0.1 (09-03-2020)	.4
	3.6	Version 5.0.0 (fork from 4.1.3)	.4
4	Soft	ware update	.5
	4.1	Backup of existing files	.5
	4.2	Software update	.5
	4.4	VDS-II SIP Passive configuration	12
	4.5	Verifications	14

1 Document History

Version	Date	Name	Status
1.0	2020-07-08	YP	Sofware Update from 4.1.3 to 5.0.5

2 Purpose

This document describes the upgrade procedure of VDS-II SIP Passive to the latest release. It covers the installation process and the software configuration.

The information about the release you are about to install is described in the next paragraph.

3 Release Notes

This paragraph list the bugs that have been fixed and improvement made to the software since the current installed version to the latest release

3.1 Version 5.0.5 (08-06-2020)

- VDS-57 : Application refactoring and optimization
- Code cleaned up and refactored (methods and variables renamed for better comprehension).
- Code optimized.
- Recording of RTP standalone fixed
- Logging improved
- VDS-52: Better logging management
- VDS-20: Better versioning management
- innoSetupVoiceCollectLibrary.txt modified to allow Installer to run with both 64 and 32bits Java version.
- Dependencies version updated
 - o vds-vep-adapter.... 5.0.3
 - \circ sip-decoder 1.1.2
 - o log4j 1.2.17

3.2 Version 5.0.4 (29-04-2020)

- VDS-45: RTP Stopcall Timeout property value not set. setStopCallRTPTimeoutMs
- method is corrected to set the value properly
- VDS-38 : [vds-sip-passive] Wrong call duration

Voice Collect[®]

Installation Guide

- Dependencies version updated
 - vds-vep-adapter....5.0.2

3.3 Version 5.0.3 (02-04-2020)

- VDS-40: StopCallRTPTimeoutMs property added in Spring configuration
- lib/jnetpcap.dll is added via ISS script as it is required in the installation directory

3.4 Version 5.0.2 (27-03-2020)

- Dependencies version updated
 - o base-app1.1.1
 - o lib-capture.....1.1.1
 - \circ vds-vep-adapter..5.0.2
 - o sip-decoder.....1.1.1
 - Code cleaning / refactoring
 - Bug fixes: VDS-18, VDS-24, VDS-34 and VDS-36 and VDS-38

3.5 Version 5.0.1 (09-03-2020)

- o Dependencies version updated
 - o base-fo.....1.1.0
 - o lib-capture.....1.1.0
 - o vds-vep-adapter..5.0.1
 - o sip-decoder.....1.1.0
- IoEventResponse changed from ioInterface.getIoEventListener().ioEvent(ioEvent); to ioInterface.sendEvent(ioEvent);

3.6 Version 5.0.0 (fork from 4.1.3)

Fork from 4.1.3 with updated dependencies

4 Software update

This section describes the software update procedure.

4.1 Backup of existing files

Before proceeding with the software update, we recommend to make a backup of the existing software files

- Stop vds-sip-passive service
- Make a copy (or zip) of the content of the folder C:/atis/vds-sip-passive (except the log directory)

4.2 Software update

The VDS sotware package is provided as a Windows installer named vds-sip-passivex.x.x_setup.exe.

Locate the file vds-sip-passive-x.x.x_setup.exe and double-click on the icon:



vds-sip-passive-5.0.5_setup.exe



The following dialog box appears, press next:



Select the Next button to proceed the installation:

🖟 Setup - vds-sip-passive	_		×
Information Please read the following important information before continuing.			
When you are ready to continue with Setup, click Next.			
VDS-II SIP Passive' is build with open source libraries:		^	
- Commons Logging (Apache license) - Commons Lang (Apache license) - XStream (BSD license) - Spring (Apache license) - jain sip (Public domain)			
For these libraries the following license-texts apply:			
License-information: LGPL		~	
< <u>B</u> ack <u>N</u> ex	t >	Can	cel

Voice Collect®

Select the directory C:\Atis\vds-eurocae-rtsp-active as installation directory:

🕼 Setup - vds-sip-passive	_		×
Select Destination Location Where should vds-sip-passive be installed?			
Setup will install vds-sip-passive into the following folder.			
To continue, click Next. If you would like to select a different folder, cli	ck Bro	wse.	
C:\atis\vds-sip-passive	E	Browse	
At least 0.7 MB of free disk space is required.			
< <u>B</u> ack Next	>	Ca	incel

Leave the default components selection and click on $\ensuremath{\textit{Next}}$

🔀 Setup - vds-sip-passive	_		×
Select Components Which components should be installed?			
Select the components you want to install; clear the components y install. Click Next when you are ready to continue.	ou do not v	vant to	
VDS-sip-passive-Jar file		26.3	MB
WinPcap library		0.9	MB
Current selection requires at least 28.3 MB of disk space.			
< <u>B</u> ack	lext >	С	ancel

Click on Install:

Voice*Collect*®

Installation Guide



If the vds-sip-passive service was not stopped prior to launching the installer, you may get this message. Leave the default options and click on **Next**:

💦 Setup	- vds-sip-passive		_		×
Prepa Set	ring to Install up is preparing to install vds-sip-passive on	your computer.			
3	The following applications are using files recommended that you allow Setup to au the installation has completed, Setup will	that need to be up itomatically close th attempt to restart	dated by Setu lese applicatio the application	p. It is ns. After ns.	
	vds-sip-passive			^	
	<			>	
	• Automatically close the applications				
	O Do not close the applications				
		< Back	Next >	Cano	cel



Voice*Collect*[®]

When prompt to overwrite **xml** configuration files, answer **No (for XML files only)**:



When prompt for overriting wrapper.conf file, answer Yes

Voice Collect[®]

Installation Guide

Setup - vds-sip-passive				×
Installing Please wait while Setup i	nstalls vds-sip-passive on your computer.			
Extracting files				
C:\atis\vds-sip Confirm		\times		
?	C:\atis\vds-sip-passive\wrapper.conf			
	The file already exists.			
	Would you like Setup to overwrite it?			
	Yes No			
			Ca	ancel

If you get this message, just hit OK:

Fetup - vds-sip-passive —		×
Installing Please wait while Setup installs vds-sip-passive on your computer.	Q	
Finishing installation		
WinPcap 4.1.3 Setup	×	
A newer version of WinPcap (internal version 5.0.9983.830) i already installed on this machine. The installation will be aborted.	5	
ОК		
, Jay	Car	ncel

Leave the next parameters as default and click on Next:

Voice Collect[®]

Setup - vds-sip-passive -			\times
Select Logfile-Directory			\sim
Where should the logfile be saved?		6	
Select the folder in which vds-sip-passive should write logging data, the	n click	Next.	
C:\atis\vds-sip-passive\log	Br	owse	
Max number of log files : 13			
Max size of files [MB]: 250			
<u>N</u> ext >		Can	cel

4.4 VDS-II SIP Passive configuration

Once the software is installed, the install wizard will propose you to configure your installation.

In the Network configuration panel, set the following values:

- Network devices for VoIP packet capture: **1** (Don't pay attention to the names of the adapters in the screenshot as they most probably differ from the ones displayed on your screen)
- IP address for VEP connection: 0.0.0.0
- Type of filtering: Blacklist-based filtering

Setup - vds-sip-passive — 🗆 📉
VDS-II SIP-Passive - Network Configuration Please select the network interfaces used and the type of the IP-filter Then click Next.
Network devices used for VoIP packet capture:
✓ 1 - TheGreenBow ^ ☑ 2 - TAP-Windows Adapter V9 ✓
IP address of network interface for VEP connection with Recorder (0.0.0.0 => Any): 0.0.0
Select the type of filtering for unwanted network traffic:
Blacklist-based filtering
○ Whitelist-based filtering
< <u>B</u> ack <u>N</u> ext > Cancel

Then click Next.

In the Options Configuration panel, check the options exactly according to the screenshot below

Voice Collect®

Setup - vds-sip-passive — 🗆 🗙
VDS SIP-Passive - Options Configuration Please configure various options of VDS-II Then click Next.
 ✓ Run VDS as an MS Windows Service ✓ Clean up SIP callIds and numbers (ea: "sip:5551234@192.158.12.13:5060" => "55 □ Record orphan audio streams (streams not belonging to a SIP session)
Select the type of routing to Recorder channels:
◯ Dynamic
Static rol
< <u>B</u> ack <u>N</u> ext > Cancel

Ignore the configuration of the static routing as a **routing-configuration.xml** file is already present in the installation folder (it will not be overwritten). Just click on **Next**.

🕼 Setup - vds-sip-passive 🦳 —		×
Configuration of static routing of channels You have selected "Static Routing" which is a pre-configured mapping of radio channels to specific Recorder channels.	6	
If none is already existing, the installer will now generate a default Static Routin configuration file named "routing-configuration.xml" in VDS directory. The file will contain the list of available VDS channels with ordinal IDs starting fi You will need to edit this file and enter matching criteria (e.g. a phone number, address, a regexp) in the "filter" field of each channel entry. By default,matching are * (any), which is equivalent to dynamic routing. See documentation	rom 1. an IP g criteri	a
Number of channels in VDS:	a	
< Back Next >	Can	icel

Finally, click on Finish:

Voice Collect®

Installation Guide



Setup		×		
1	Please configure the IP-filter in file blacklist-filter.xml, as well as routing-configuration.xml			
	after the setup has been finished!			
	ОК			

4.5 Verifications

After installation check With MS Windows Service Manager, you can verify that the VDS service has been started:

Note: This should be done only when 'Run VDS as an MS Windows Service option' is checked during the installation.

Q 📑 🚺 🖬 🕨 🔳 🕪

O Services (Local)	-				
vds-sin-nassive	Name	Description	Status	Startup Type	Log On As
	🖾 Volumetric Audio Composit	Hosts spatial	Status	Manual	Local Service
Stop the service	Wolume Shadow Copy	Manages an		Manual	Local System
Restart the service	🏟 VirtualBox system service	Used as a C		Manual	Local System
	🧠 Virtual Disk	Provides ma	Running	Manual	Local System
Description:	🔍 vds-sip-passive	vds-sip-pass	Running	Automatic	Local System
Vds-sip-passive with service wrapper	A 1000	1			1 10 1

In case of problems, you can also check the log files in the log directory of the program.

You may also execut the utility **Run-SnakeTail** located in **C:\Atis\vds-sip-passive** to visualize the logs in real time and spot any warning or error.

🗴 SnakeTail - tail - [VDS-II Logging - vds-sip-passive LogSize=19,0 KB]	_		×
Eile Edit Window Help		-	ъ×
VDS-II Logging - vds-sip-passive			
2020-07-08 12:45:25,858 [WrapperSimpleAppMain] INFO (Main.java:53) - wrapper.key=C1E7ENQrvyByMgBS			^
2020-07-08 12:45:25,858 [WrapperSimpleAppMain] INFO (Main.java:53) - wrapper.native_library=wrapper			
2020-07-08 12:45:25,858 [WrapperSimpleAppMain] INFO (Main.java:53) - wrapper.pid=10440			
2020-07-08 12:45:25,858 [wrapperSimpleAppMain] INFO (Main.java:53) - wrapper.port=32000			
2020-07-06 12:45:25,859 [mrappersimpleAppmain] INFO (main.java:55) - wrapper.service=iku:			
2020-07-06 12:45:25,895 [m apper simple symplem in] into (maini javais) - m apper version-isiza [2020-07-06 12:45:25,895 [M apper simple symplem in] INFO (AbstractApplication Context java:41) - Refreshing org.springframewou	k. conte		port
2020-07-08 12:45:25.961 [mapperSimpleAppMain] INFO (Xm]BeanDefinitionReader.iava:323) - Loading XML bean definitions fri			isly
2020-07-08 12:45:26,061 [WrapperSimpleAppMain] INFO (XmlBeanDefinitionReader.java:323) - Loading XML bean definitions fr			is\v
2020-07-08 12:45:26,101 [WrapperSimpleAppMain] INFO (XmlBeanDefinitionReader.java:323) - Loading XML bean definitions fr			is\v
2020-07-08 12:45:26,124 [WrapperSimpleAppMain] INFO (XmlBeanDefinitionReader.java:323) - Loading XML bean definitions fr			is\v
2020-07-08 12:45:26,151 [WrapperSimpleAppMain] INFO (AbstractApplicationContext.java:426) - Bean factory for application			spri
2020-07-08 12:45:26,463 [WrapperSimpleAppMain] INFO (VoIPDecodingSystemImpl.java:1012) - startupReceivers receiver getI			por
2020-07-08 12:45:26,465 [WrapperSimpleAppMain] INFO (VoIPDecodingSystemImpl.java:1126) - Server Listening Ip: 0.0.0.0			
2020-07-08 12:45:26,466 [WrapperSimpleAppMain] INFO (VoIPDecodingSystemImpl.java:1127) - Configuration port: 8510			
2020-07-08 12:45:26:466 [WrapperSmp1eAppMarn] INFO (VolPDecodrng5ystemImp1.]avail128) - Data port: 8540			
2020-07-08 12:45:26;466 [WrapperSimpleAppMain] INFO (DefaultListableBeanFactory.java:444) - Pre-instantiating singletons	in org.		rran
2020-07-06 12:45:26;473 [WrapperSimpleAppMain] INFO (FacketriferDiackits, javai193) - blackitst entry: 255.255.255.255.255.	=source	e le for	win?
2020-07-08 12:45:26 493 [m WranperSimpleAppMain] ERNOR (MediaDescriptionImpligate:70) - 6726 codec configured but codec up	wailabi	le for	win3
2020-07-08 12:45:26.494 [WapperSimpleAppMain] ERROR (MediaDescriptionImpl.java:363) - GS codec configured but codec una			in32
2020-07-08 12:45:26,498 [WrapperSimpleAppMain] INFO (MediaDescriptionImpl.java:456) - MediaDescription [codecTable={G711	alaw=8	G711_	ulaw
2020-07-08 12:45:26,508 [WrapperSimpleAppMain] INFO (RtpMixer.java;50) - No output codec specified defaulting to G711_al.			
2020-07-08 12:45:26,522 [WrapperSimpleAppMain] INFO (RoutingLogicSipPassive.java:33) - Routing logic initialized userId,			[use
2020-07-08 12:45:26,524 [WrapperSimp]eAppMain] INFO (RecordingAdapter.java:1840) - vdsName = vds-sip-passive vdsVersion			
2020-07-08 12:45:27,142 [Thread-7] INFO (IoModuleSipPassive.java:84) - Available network adapters:			
2020-07-08 12:45:27,142 [Thread-7] FATAL (IoModuleSipPassive.java:87) - 1 - \Device\NPF_{62E59EA3-E884-455D-A91A-35E426C7			nBow
2020-07-08 12:45:27,142 [Thread-7] FATAL (IoModuleSipPassive.java:87) - 2 - \Device\NPF_{20563A51-CF36-467A-8B76-EE2976AC		FAP-Win	dows
2020-07-08 12:45:27,142 [Thread-7] FATAL (IoModuleSipPassive.java:87) - 3 - \Device\NPF_{966FAF54-ECF1-484C-8006-3099C998	5B2}:	, [INET	4:19
2020-07-08 12:45:27,142 [Thread-7] FATAL (IOModuleSipPassive.java:87) - 4 - \Device\NPF_Loopback: Adapter for loopback tri			
2020-07-08 12:45:27,142 [Thread-7] FATAL (IOMODUle5pPassive.java:87) - 5 - \Device(NPF_1C2937EA-3435-49BE-A5A6-81600C32	D82}: N	NdisWan	Ada
2020-07-08 12:45:27,142 [Inread-7] FATAL (IOMODULES)PPASSIVE.]AVA:87) - 6 - \DEVICE(NPF_{A91C1F/A-532-45/6-888AA-5482C844			
2020-07-06 12:45:27,145 [Inred-7] FATAL (IOMODULES)PLASSIVE.]24/26/07 - \UEVICE\NFF_[92020A39-45UE-4905-AAAC-9462/05AA			Ada
1020-07-08 12:45:77 143 [Thread-7] FATAL (InModuleSinPassive java.87) - 9 - DeviceNPE [7(80045-655-657-453-6556-5560562)	CC43 - C		ETN
2020-07-08 12:45:27.143 [Thread-7] FATAL (IGModuleSipPassive.java:87) - 10 - \Device\NPE (IGC/G61-86-227-82-826-2876-8865-2	SAZAA] ·	Micros	oft
2020-07-08 12:45:27.143 [Thread-7] FATAL (IoModuleSipPassive.java:87) - 11 - \Device\NPF [AAA5269-652F-43(B-A123-38F7A27)	DFBD}:	Micros	oft.
2020-07-08 12:45:27,151 [Thread-7] INFO (IoModuleSipPassive.java:124) - Configured network adapter: 1 - DeviceNPF [525]			D-A9
2020-07-08 12:45:27,268 [Thread-7] INFO (IoModuleSipPassive.java:132) - Starting capture on network adapter 1			
2020-07-08 12:45:27,369 [Thread-7] INFO (IoModuleSipPassive.java:162) - Sip Passive module has been started			
<			>
Ready			

*** END OF DOCUMENT ***