

# eurovoice objects version 4.0

## Release Notes

### Supported configurations:

#### **Pika HMP-based systems, including software-only SIP-based VoIP**

##### Operating Systems:

- Microsoft Windows XP Professional SP3 32-bit,
- Microsoft Windows 2003 / 2003R2 Server SP2 32-bit,
- Microsoft Windows Server 2008 R2 64-bit,
- Microsoft Windows 7, 32-bit.
- Microsoft Windows 7, 64-bit.
- Microsoft Windows Server 2012 64-bit,
- Microsoft Windows 8, 64-bit

Drivers: PIKA HMP Low-Level for Windows version 3.0.7 or 3.0.8

#### **Pika DSP-based systems**

##### Operating Systems:

- Microsoft Windows XP Professional SP3 32-bit,
- Microsoft Windows 2003 / 2003R2 Server SP2 32-bit,
- Microsoft Windows Server 2008 32-bit,
- Microsoft Windows 7 32-bit.

Drivers: PIKA MonteCarlo version 6.7.2

#### **Dialogic configurations:-**

##### Operating Systems:

- Microsoft Windows XP Professional SP3 32-bit,
- Microsoft Windows 2003 / 2003R2 Server SP2 32-bit,
- Microsoft Windows Vista 32-bit,
- Microsoft Windows Server 2008 32-bit,
- Microsoft Windows Server 2008 R2 64-bit,
- Microsoft Windows 7, 32-bit.
- Microsoft Windows 7, 64-bit.

Drivers: Dialogic System Release 6.0 PCI for Windows with service update 261 or greater.

#### **Development environment**

eurovoice objects 4.0 is built for performance using .NET Framework 4. Hence Microsoft Visual Studio 2010 or Visual Studio 2012 is required.

eurovoice objects 4.0 customers wishing to develop with previous versions of Visual Studio or VB6 may receive a free licence to use eurovoice objects 3.0 COM based toolkit.

## Details of releases:

### **Release 4.0.4 build 48: 30<sup>th</sup> March 2016**

Fixed issue 20160329: evoServer (PIKA HMP): Fixed issue sending a '487 Request Terminated' response to SIP INVITE cancellation.

### **Release 4.0.4 build 46: 25<sup>th</sup> November 2015**

Fixed issue 20150930: evoServer (PIKA HMP): Fixed SIP SDP 'fmtpt' parameter format issue.

Fixed issue 20151123: evo40 DLL: Fixed internal line deallocation issue to support multiple evo application configurations requiring sequential access to same line number.

Fixed issue 20151124: evo40 DLL: Fixed line state issue when evo.Allocate() method fails.

### **Release 4.0.4 build 44: 12<sup>th</sup> May 2015**

Fixed issue 20150303: evoServer (PIKA HMP): Fixed Windows handle leak issue which occurred when AsyncFileLoad feature is enabled.

Fixed issue 20150320: evoServer (Analogue): Fixed timeout error if the SIP/ISDN specific 'ChannelSend\_Ringing' request is invoked on an evo analogue line.

Fixed issue 20150424: evoServer (PIKA HMP): Fixed attempt to send two OK responses to SIP NOTIFY '100 Trying' requests.

### **Release 4.0.4 build 42: 20<sup>th</sup> February 2015**

Enhancement: All technologies: Polish Language support now available. New evo.NET LanguageSetCase and LanguageSetGender properties added. Currency type Zloty added.

Enhancement: All technologies: Variable detail evoServer logging. A new .ini file parameter 'loglevel' in the [General] section of the evo40serv.ini file configures the level of detail that is logged:-  
loglevel=3  
(where 0=none, 1=errors, 2=std(default), 3=verbose)

Fixed issue 20140904: MRCP: Fixed race condition which caused occasional failure to unload grammars.

Fixed issue 20141001: evoServer: Code updated to comply with Microsoft's Security Development Lifecycle (SDL) requirements and recommendations, for PCI-DSS compliance.

Fixed issue 20150115: SIP: Fixed issue with URI field prefix for SIP authentication responses.

Fixed issue 20150118: evo Experimenter: Fixed issue with delay at start-up. Added ability to set language case & gender values.

### **Release 4.0.3 build 26: 18<sup>th</sup> August 2014**

Fixed issue 20140806: SIP: Fixed incorrect 'Contact:' value when SIP Port was not set to default of 5060.

Fixed issue 20140814: SIP: Improved circular hunting algorithm for better distribution of calls on busy systems.

Fixed issue 20140818: MRCP: Improved circular hunting algorithm for better distribution of speech recognition sessions on busy systems.

### **Release 4.0.3 build 25: 17<sup>th</sup> July 2014**

Enhancement: PIKA HMP: Performance improvement for VM/Cloud configurations. The loading of voice files from disk now takes place asynchronously by default. This can be disabled by having the following entry in the [General] section of the evo40serv.ini file:-  
`AsyncFileLoad=0`

Enhancement: PIKA HMP: PIKA HMP drivers version 3.0.8 (as well as 3.0.7) is now supported.

Fixed issue 20140609: evo.NET: Fixed issue of speech recognition no-response timeout in 'hotword' mode.

Fixed issue 20140715: evo.NET: Previous release of eurovoiceObjects.dll component is included in this release in case backward compatibility with existing applications is required. This previous release does not support SpanishLanguage or fix issue 20140609.

### **Release 4.0.3 build 21: 2<sup>nd</sup> June 2014**

Enhancement: All technologies: Spanish Language support now available.

Fixed issue 20140508: PIKA HMP SIP: Fixed issue returning all custom SIP Headers.

### **Release 4.0.3 build 20: 28<sup>th</sup> May 2014**

Enhancement: PIKA HMP SIP: Improved performance of voice file load from disk by enhanced internal threading.

Enhancement: All technologies: evoServer logging now uses date time format on individual log lines of 'yyyy-mm-dd', for improved readability and sorting.

## **Release 4.0.2 build 19: 23<sup>rd</sup> April 2014**

Enhancement: PIKA HMP SIP: Any custom header in the incoming SIP INVITE may be retrieved via a call to SIPGetHeader with the required header name specified as the optional parameter:-  
`evo.SIPGetHeader(SIPHeaderTypes.SIPHeader_Other, "MyHeaderName")`

## **Release 4.0.2 build 18: 5<sup>th</sup> February 2014**

Fixed issue 20140204: PIKA HMP ISDN: ISDN ReleaseComplete message sent with incorrect call reference number when telco end re-uses call reference numbers.

Fixed issue 20140203: evoLineMonitor: Enhanced performance of Windows-application build of the evo line monitor.

## **Release 4.0.2 build 17: 12<sup>th</sup> December 2013**

Fixed issue 20131013: Pika SIP: SIP Re-registration now recovers following a previous failure to communicate with the SIP Server / PBX due to network issues or unavailability of SIP Server.

## **Release 4.0.2 build 16: 15<sup>th</sup> October 2013**

This update supports PIKA HMP 3.0.7 drivers.

## **Release 4.0.2 build 14: 2<sup>nd</sup> May 2013**

Fixed issue 20130430: Pika SIP: G729 codec negotiation fix for interworking with NEC SIP PBX.

Fixed issue 20130412: e-link: Improvements to thread safety of shared variable processing. Enhanced e-link debugging.

## **Release 4.0.2 build 13: 28<sup>th</sup> February 2013**

This update supports:-

- PIKA HMP 3.0.4 drivers.
- Microsoft Windows 8 and 2012 Server, 64 bit, when used with PIKA HMP based configurations.
- Microsoft's Visual Studio 2012 development environment.

Fixed issue 20130211: evo40 and e-link DLLs are now signed to permit installation into the GAC.

Fixed issue 20130110: SIP: evoServer response to an OPTIONS request did not return custom parameters, resulting in originating device not recognising the response.

## **Release 4.0.2 build 12: 31<sup>st</sup> January 2013**

This update supports:-

- PIKA HMP 3.0.4 drivers.

- Microsoft Windows 8 and 2012 Server, 64 bit, when used with PIKA HMP based configurations.
- Microsoft's Visual Studio 2012 development environment.
- Speech recognition now available for PIKA HMP based configurations.

Fixed issue 20121119: RFC2833 was incorrectly negotiated when SDP did not arrive in initial SIP INVITE.

Fixed issue 20121121: Timing issue prevented RTP from restarting following SIP Re-INVITE on some servers.

Fixed issue 20121218: Configurations behind NAT did not function correctly when no SIP registration was required.

Fixed issue 20121213: HMP-Mosport compatibility issue. Fixed PIKA HMP issue where the branch tag was incorrectly set to the same value as the original INVITE when sending an ACK to a 2xx response.

### **Release 4.0.2 build 11: 4<sup>th</sup> September 2012**

Update to e-link component:

Fixed issue 20120903: Shared variable data was limited to 253 characters, not 2048 characters as documented.

### **Release 4.0.2 build 10: 26<sup>th</sup> June 2012**

Update to evo LineMonitor:

Fixed issue 20120625: Line Monitor autostart lines not functioning correctly.

Fixed issue 20120611: Line Monitor logging, misses first character of supplied string.

### **Release 4.0.2 build 9: 11<sup>th</sup> May 2012**

Fixed issue 20120511: evo Server failure during call progress on analogue PIKA HMP based systems.

### **Release 4.0.2 build 8: 25<sup>th</sup> April 2012**

Executables for deploying evo server 4.0 as a Windows Service are now included. Refer to the evo 4.0 User Guide's 'Advanced Topics' section for deploying eurovoice objects as a service.

Fixed issue 20120424: Failure to play accented characters in voice filenames.

Fixed issue 20120425: Server simulator did not report file-not-found condition.

### **Release 4.0.2 build 7: 19<sup>th</sup> March 2012**

Fixed issue 20120311: evo Server failure during call progress on analogue Dialogic based systems.

### **Release 4.0.2 build 6: 28<sup>th</sup> February 2012**

Fixed issue 20120209: Installer now allows installation on Vista for test/Dialogic configurations.

Fixed issue 20120310: evo Server Simulator timeout.

PikaHMPTones config file no longer requires changes to Registry settings to be used.

evo 4.0 User Guide now included.

## **Release 4.0.2 build 5: 7<sup>th</sup> February 2012**

Preliminary release build of eurovoice objects 4.0, for evo 4.0 beta customers.

eurovoice objects 4.0 user manual will be available in the next release.