

JAGUAR IP-VRS
IP Voice Recording System

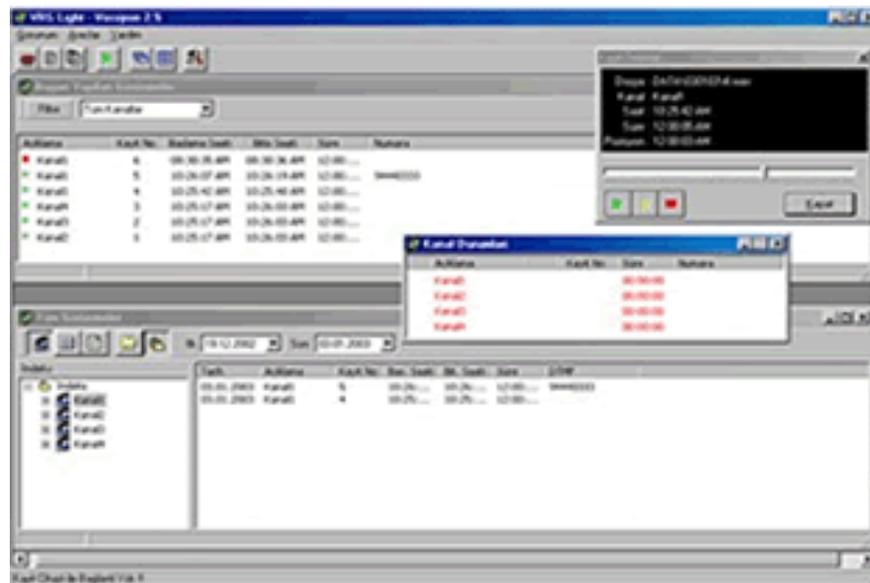
1. JaguarIPVRS

1.1 Basic Configuration and Specifications



<ul style="list-style-type: none"> . WinNT Service Application . Windows 2000 / XP pro . SIP / H323 / SKINNY / RTP support . Stand Alone CallDetails DB . Easy integration to CallManager and other systems . Record on Demand . IIS Support . Win32 or ASP / WEB Based Easy . StandAlone Recording Mode . Stereo/ Dual Channel Recording 	<ul style="list-style-type: none"> User Interface . Protocol / Voice Activity . 200 Line per Server . Line / User Based Authentication . IE & Media Player Support . 1/8 Compression Ratio (1 Hour = 3.6 MB) . LAN / WAN Support . Web Based Remote Management . Automatic cd Backup (optional)
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1.2 Recorder Screen Shots



1.3 Standalone Player

The screenshot displays the 'JaguariPVRS Player Version 1.1.0.2' interface. At the top, there are controls for Channels (Dual, Line1, Line2), Equalizer (125, 1k, 8k, Revb), Visualization (Circle, Oscilloscope, Spectrum), Draw mode (Line, Solid, Pixel), and Color (Back, Pen, Peak). A 'Save Settings' button is also present. Below these controls, the 'DATA Dir' is set to 'C:\inetpub\IPVRS\data\compressed\'. The main area shows a file list with columns for #Call-ID, Calling Party Name, Called Party Name, Start Date, Start Time, End Date, End Time, Calling IP, Calling #, Called IP, and Called #/Pass. The list contains numerous entries, with the last few rows highlighted in blue.

#Call-ID	Calling Party Name	Called Party Name	Start Date	Start Time	End Date	End Time	Calling IP	Calling #	Called IP	Called #/Pass
33923503	02122270520	Canak Tankutay	07.04.2005	14:59:02	07.04.2005	14:59:06	172.16.3.27	21979	192.168.1.100	17908 3615
33923500	02122277250	Nilay Duzer	07.04.2005	14:58:50	07.04.2005	14:59:35	172.16.3.38	17768	192.168.1.100	10456 3615
33923526	05563171719	Operator	07.04.2005	15:00:10	07.04.2005	15:00:20	172.16.3.51	26594	192.168.1.100	10504 3615
33923519	002125076070	Mufak	07.04.2005	14:59:50	07.04.2005	15:00:23	192.168.1.100	61014	192.168.1.100	17046 3615
33923507	002125080010	Nilay Duzer	07.04.2005	14:59:36	07.04.2005	15:00:30	172.16.3.38	21570	192.168.1.100	17106 3615
33923532	05563171719	Operator	07.04.2005	15:00:46	07.04.2005	15:00:51	172.16.3.51	29368	192.168.1.100	10504 3615
33923530	Mufak	002125702972	07.04.2005	15:00:31	07.04.2005	15:01:02	192.168.1.100	61016	192.168.1.100	10114 3615
33923547	05563171719	Operator	07.04.2005	15:01:11	07.04.2005	15:01:12	172.16.3.51	31006	192.168.1.100	10504 3615
33923514	04623260700	Engin Ocak	07.04.2005	14:59:48	07.04.2005	15:01:11	172.16.3.16	17774	192.168.1.100	10504 3615
33923587	05563171719	Operator	07.04.2005	15:01:26	07.04.2005	15:01:27	172.16.3.51	16094	192.168.1.100	10504 3615
33923565	02123171000	Fatih Edogan	07.04.2005	15:01:46	07.04.2005	15:01:47	172.16.3.12	32510	192.168.1.100	17314 3615
33923538	02122957451	Gokcan Buyukova	07.04.2005	15:00:40	07.04.2005	15:02:00	172.16.3.16	17774	192.168.1.100	17046 3615
33923571	02123171000	Gulcan Pepeoglu	07.04.2005	15:01:49	07.04.2005	15:02:19	172.16.3.29	20570	192.168.1.100	17314 3615
33923568	Hanan Akar	005563171602	07.04.2005	15:01:46	07.04.2005	15:02:29	172.16.3.28	32418	192.168.1.100	10402 3615
33923595	Uzgar Akkaya	002123169500	07.04.2005	15:01:21	07.04.2005	15:02:43	172.16.3.51	16094	192.168.1.100	10504 3615
33923599	05563171719	Seikan Damar (n	07.04.2005	15:01:29	07.04.2005	15:02:44	192.168.1.100	61020	192.168.1.100	10504 3615
33923505	Abdullah Gunduz	001263442371	07.04.2005	14:59:35	07.04.2005	15:02:53	172.16.3.41	16634	192.168.1.100	10804 3615
33923517	E senyal Karakas	04640323	07.04.2005	14:59:41	07.04.2005	15:03:30	172.16.3.62	22862	192.168.1.100	10316 3615
33923509	Hanan Akar	005563171660	07.04.2005	15:02:30	07.04.2005	15:04:22	172.16.3.28	20494	192.168.1.100	10206 3615
33923502	65	Fahrettin Yilmaz	07.04.2005	15:02:25	07.04.2005	15:04:26	172.16.3.62	22734	192.168.1.100	17108 3615
33923531	Mulu Turek	04441500	07.04.2005	15:02:46	07.04.2005	15:04:35	172.16.3.19	30724	192.168.1.100	17114 3615
33923595	Abdullah Gunduz	001263443207	07.04.2005	15:02:59	07.04.2005	15:04:36	172.16.3.41	21160	192.168.1.100	10206 3615
33923599	Mufak	002123030269	07.04.2005	15:09:07	07.04.2005	15:09:27	192.168.1.100	61026	192.168.1.100	10308 3615
33923667	02123171000	Fatih Edogan	07.04.2005	15:09:23	07.04.2005	15:09:31	172.16.3.12	29070	192.168.1.100	10404 3615
33923661	Hanan Akar	005563171669	07.04.2005	15:09:00	07.04.2005	15:09:35	172.16.3.28	26692	192.168.1.100	10606 3615
33923676	02123171000	Fatih Edogan	07.04.2005	15:09:49	07.04.2005	15:10:24	172.16.3.12	31694	192.168.1.100	10176 3615
33923670	02123171000	Gulcan Pepeoglu	07.04.2005	15:09:39	07.04.2005	15:10:26	172.16.3.29	10382	192.168.1.100	10404 3615
33923704	02122517382	Operator	07.04.2005	15:11:16	07.04.2005	15:11:20	172.16.3.51	26708	192.168.1.100	10506 3615
33923692	65	Fahrettin Yilmaz	07.04.2005	15:10:41	07.04.2005	15:11:33	172.16.3.62	23006	192.168.1.100	17890 3615
33923710	Mustafa Uzunoz	005563171602	30.12.1999	00:00:00	07.04.2005	15:12:04	172.16.3.2	19320	192.168.1.100	10372 3615

2. JaguarIPVRS - Voice Recorder System

2.1 JaguarIPVRS

JaguarIPVRS (Voice Recording Solution) is designed to work on the Cisco AVVID architecture. With the JaguarIPVRS, enterprises are able to communicate via IP phone safely, record conversations real-time, and review them at a later time.

With JaguarIPVRS, the main focus is to meet the entrepreneurial requirements of today's competitive financial enterprises, call/communication centers and service companies within their sectors using IP infrastructure.

The system is integrated with the Cisco Call Manager, allowing the system to record calls along with miscellaneous information such as the Calling ID, or the Called Part, which in turn, allows the user to speed-sort calls according to different criteria.

With the JaguarIPVRS, using a computer with only one CPU, it is possible to process a total of 200 parallel lines. The system can be configured so that all the machines in the current network are parallel processed 100%; it also can be designed, with the possibilities offered by general IP format, so that it uses a minimum number of record ports.

The JaguarIPVRS works as a WinNT service on a separate PC designated for the recording application. The minimum requirements of the PC that is to run the JaguarIPVRS software are as follows:

Processor	Pentium IV 2 GHz
Memory	512MB
Hard Disk	Minimum 20Gb
OS	Windows 2000 Professional or higher
Software	SQL license

JaguarIPVRS offers support for SIP / H323 / Cisco Skinny and RTP. According to the requirements of the enterprise VRS can be customized to record all calls, or the recording process can be left to the decision of the user (On demand recording).

The calls recorded by JaguarIPVRS can be managed remotely by a Win32 or ASP-based interface, and said calls can be speed-sorted, reviewed or relistened according to criteria transferred through a web-based interface.

Since the JaguarIPVRS requests authentication by line and user, only authorized personnel can record authorized extensions or external lines. Recorded calls can be listened to by standard Windows Media Player. Each of these calls take up a hard disk space of about 3,6 MB's per hour.

JaguarIPVRS offers an optional Automatic CD Backup feature.

As the VRS runs on the standard Windows Platform, and uses the standard SQL database, customers are able to work with customized and/or personal hardware and software received from their suppliers.

2.2 Advantages of the JaguarIPVRS

- The default installation with only one package supports instant integration and voice recording ports up to 200 lines.
- Scalability allows the enterprise to use multiple powerful hardware systems to process large and chaotic infrastructures.
- Record management and listening functions are offered via an easy-to-use web interface.
- Voice recordings can be saved in many different media, such as DAT, DVD, CD or any Windows 2000 supported drive.
- System security is provided by standard X.509 certificates, SSL technology, and Windows NT/2000 security layering.

2.3 JaguarIPVRS Phone Support System

- Cisco CallManager V3.0 (8) or higher

2.4 JaguarIPVRS User Interface and Codec's

- Microsoft Internet Explorer 5.1 or higher for Users, and Microsoft Internet Explorer 5.5 or higher for Administrators.
- Microsoft Windows Media Player V6 or higher
- G.711, G.723.1, G.729A, GSM

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