

# ViperBase<sup>TM</sup> UsersManual



### ViperBase Users Manual Beta Release 0.1

© Copyright 1999 JetCell Incorporated. All rights reserved.

# **JetCell Confidential**

The information contained in this document is the property of JetCell, Inc. Except as specifically authorized in writing by JetCell, the holder of this document shall keep the information contained herein confidential and protect it from disclosure and dissemination to third parties in whole or in part and use same for evaluation purposes only. Certain inventions described herein may be the subject of pending U.S. and international patent applications.

This document, whether published or unpublished, is protected as a copyrighted work and may not be copied, adapted, displayed or modified without written consent of Jet-Cell, Inc. Report infringements to *infringement@jetcell.com*.

The contents of this document are provided for information purposes only and are subject to modification by JetCell, Inc. without notice. No representation or warranty is made as to the completeness or accuracy of the information contained herein, including but not limited to information concerning the suitability or performance of the product or application, merchantability or fitness for any particular purpose.

The following are trademarks of JetCell, Inc.: GoIP, RAP, SmartCell, SureTrack, V7M, V7X, ViperBase, ViperCell, ViperWatch.

# JetCell, Inc.

# **Table of Contents**

Installing and Configuring ViperBase 1-1
Running ViperBase 1-1
Navigating ViperBase1-2
Using ViperBase Configuration Management 1-2
The General Dialog Box 1-3
The Gateway List Dialog Box 1-4
ViperBase Subscriber Management 1-4
The IP Phone List Dialog Box 1-5
The Mobile List Dialog Box 1-6
The Subscriber Detail Information Dialog Box
Sending a Text Message with SMS-CB 1-7
Schedule a New Message 1-8
Delete a Scheduled Message 1-9
Query Scheduled Messages 1-9
Change a Schedule Message 1-9
Sending Feedback to JetCell, Inc 1-9

ViperBase™ Users Manual — Beta 0.1

# JetCell, Inc.

# **1 - ViperBase Operation**

# Installing and Configuring ViperBase

ViperBase performs the H.323 Gatekeeper required by the ViperCell network. ViperBase:

- Runs on a Windows NT server
- Is configured and managed from the HTML-based ViperWatch OA&M system.
- Is compatible with Microsoft Internet Explorer 4.0 or later and Netscape Navigator 4.0 or later

### **Running ViperBase**

In the IP Address area of the web browser, type the IP address of the active Viper-Base. After a short delay, the **Registered ViperCells** dialog box opens.

🛃 JetCell ViperWatch - Mi	rosoft Internet Explorer	
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorit	es <u>I</u> ools <u>H</u> elp	
Back Forward	😒 🚰 🧖 😨 🐼 🖨 Stop Refresh Home Search Favorites History Print	Links
Address Address Address		<b>-</b> ∂ <sup>2</sup> Go
	ViperWatch <sup>™</sup> - ViperBase	Jercel
IP: 10.1.2.2		·X
ViperWatch-ViperBase Introduction ViperCell List ViperBase Configuratio Subscriber Managemen SMS-CB Copyright JetCell Home Documents Feedback F cockies ar disabled, this outline cannot expand. This fame is resimable. Copyright (c) 1999 Jetcell hc.	Registered ViperCells         ViperCell Name       Cell ID ViperCell IP Address # of Active Mobiles         ViperCell10.1.2.109       1         ViperCell10.1.2.110       10         ViperCell10.1.2.113       13         Image: Comparing the second se	
😂 Done		S Internet

The Registered Viper Cells dialog box is divided into four fields:

- The ViperCell Name field identifies the active ViperCell
- The Cell ID identifies the identifying number assigned to the ViperCell
- Click on a ViperCell IP address to be transferred to the System Information dialog box of the ViperCell

• The **Number of Active Mobiles** shows how many MS's are active at the time the dialog box is accessed.

At the bottom of the dialog box, click **Recall** to update the Registered ViperCells dialog box.

### Navigating ViperBase

The ViperBase display is divided into three frames.

- The top frame contains information about the ViperBase being viewed
- The frame at the left side of the display contains the topic headings of the different ViperBase dialog boxes
- The central and largest frame is the specific ViperBase dialog box.

In the left frame, click on a topic heading to open the topic in the main window.

## **Using ViperBase Configuration Management**

ViperBase Configuration Management uses interactive Java.

In the left frame, click on **Configuration Management** to load the Java Applet. After a pause of up to 30 seconds while the applet loads, the **General** dialog box appears. Configuration Management consists of primary dialog boxes:

- The General dialog box provides information about ViperBase network connectivity
- The Gateway List dialog box displays a list of all active H.323 Gateways that are part of the ViperCell network

#### **The General Dialog Box**

In the left frame, click on the ViperBase Configuration Management topic heading to open the **General** dialog box.

🛃 JetCell ViperWatch - Mi	crosoft Internet Explorer	
<u>] Eile E</u> dit ⊻iew F <u>a</u> vori	es <u>I</u> ools <u>H</u> elp	
Back Forward	Stop Refresh Home Search Favorites History Print	Links
Address 🛃 http://10.1.2.2	,	- 🔗 GO
	ViperWatch <sup>TM</sup> - ViperBase	J <sub>er</sub> cal
P: 10.1.2.2		
ViperWatch-ViperBase Introduction ViperCell List ViperBase Configuratio Subscriber Managemen SMS-CB Congright	Viper Base Configuration Interface	
<u>copyright</u>	General Gateway List	
JetCell Home Documents	Configuration IP Address	
<u>Feedback</u>	Max Calls	
If cookies are disabled,	Q.931 Port	
this outline cannot expand. This frame is resizable.	RAS Port	
Copyright (c) 1999	RAS Response Time Out	
Jetcell Inc.	Q.931 Response Time Out	
	Q.931 Connect Time Out	
	Gate Keeper ID	
	Telnet Port	
	Get Set	
	·	
	JefCell Inc.	<u> </u>
😂 Applet started.		🥑 Internet

The General dialog box contains configuration information for the ViperBase.

- Click Get to refresh the displayed information.
- Click Set to write from the General dialog box to the ViperBase.

#### **The Gateway List Dialog Box**

The Gateway List dialog box shows all H.323 Gateways active in the ViperCell network.

🕙 JetCell ViperWatch - Mi	crosoft Internet Explorer	
∫ <u>F</u> ile <u>E</u> dit <u>V</u> iew F <u>a</u> vori	tes <u>T</u> ools <u>H</u> elp	<u>80</u>
Back Forward	Image: Constraint of the second se	Links
Address 🛃 http://10.1.2.2	/	<b>-</b> ∂ Go
m-10122	ViperWatch <sup>™</sup> - ViperBase	J <sub>er</sub> C
ViperWatch-ViperBase Introduction ViperCell List ViperBase Configuratio Subscriber Managemen SMS-CB Copyright	Viper Base Configuration Interface	<u> </u>
JetCell Home Documents Feedback If cookies are disabled, this outline cannot expand. This frame is resimble. Copyright (c) 1999 Jetcell Inc.	Name Prefix IP Strip Prefix Comment	
	Get Set	
× >	JetCell Inc.	- - -
Applet started.		j 💋 Internet

- Click Get to refresh the display
- Click Set to transfer changes from the Gateway List dialog box to the ViperBase

#### ViperBase Subscriber Management

In the left frame, click on **Subscriber Management** to add, modify, and remove ViperCell subscriber information. ViperBase Subscriber Management consists of three dialog boxes:

- The IP Phone List dialog box
- The Mobile List dialog box
- The Subscriber Detail Information dialog box

Each of these dialog boxes is described in the following sections.

# The IP Phone List Dialog Box

The **IP Phone** list dialog box lists the Internet Protocol (IP) phones that can access the ViperCell network.

JetCell ViperWatch - Microsoft Internet Ex	plorer				
j <u>File Edit ⊻iew Favorites I</u> ools <u>H</u> elp					
Back Forward Stop Refresh	Home Search Favorites	History Print			Links
Address 🛃 http://10.1.2.2/					- 🔗 Go
IP: 10.1.2.2	ViperWate	ch™ - ViperBa	se		JerCell
ViperWatch-ViperBase Introduction ViperCell List ViperBase Configuration Subscriber Management ▼SMS-CB Schedule a New Message Delete a Scheduled Message	Mobile Subscri	ber Manageme	ent		×
Query Scheduled Messages	Name	Number	IP Address	Comments	
Convergence Conver	olet	8825	10.1.1.33	<no comment=""></no>	
	adergun	8826	10.1.1.25	<no comment=""></no>	
JetCell Home	winfield	8821	10.1.1.22	<no comment=""></no>	
Documents	XXU	8824	10.1.1.27	<no comment=""></no>	
Feedback	target1	8809	10.1.1.24	<no comment=""></no>	
If cookies are disabled,	bhavaAtHome	8899	10.1.1.226	<no comment=""></no>	
this outline cannot expand.	bhava	8827	10.1.1.37	<no comment=""></no>	
This frame is resizable.	bhawani	8832	10.1.1.47	<no comment=""></no>	
Copyright (c) 1999	dinesh	8828	10.1.1.43	<no comment=""></no>	
Jetcell Inc.					
				1	
					-
Applet started.				📄 📄 😒 Int	ernet

During Beta trials, the IP Phone list will operate in read-only mode.

### The Mobile List Dialog Box

Use the **Mobile List** dialog box to display a summary of users that are installed in the ViperCell's Local Users Database (LUDB).

🔁 JetCell ViperWatch - Microsoft Internet Explorer				
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools <u>H</u> elp				
←         →         ⊗         Image: Stop Refresh           Back         Forward         Stop Refresh	Home Search Favorit	es History Pri	ð nt	Links
Address 🛃 http://10.1.2.2/				<ul> <li>- (2) Go</li> </ul>
IP: 10.1.2.2	ViperWa	ıtch™ - Vi	perBase	
ViperWatch-ViperBase Introduction ViperCellList ViperBase Configuration Subscriber Management Subscriber Management Sthechule a New Message Delete a Scheduled Message	Mobile Subsc	riber Man	agement	
Ouery Scheduled Messages	IMQI	Number	Comments	Status
Change a Scheduled Message	208014609514590	2200	Alcotel	cofflines
Copyngni	00101000000000	2233	RLS	1012113
JetCell Home	310170107306536	2204	John Sylla Access Class 6	<offline></offline>
Documents	001010107272228	2222	Load	1012113
Feedback	00101010107272895	2895	Load	<offline></offline>
	310170106995321	2255	JoAnne's	<ol> <li>soffline&gt;</li> </ol>
If cookies are disabled, this outline sense amond	001010107592202	2220	load	<offline></offline>
This frame is resizable.	00101010107272213	2213	load	<offline></offline>
	00101010123000001	2410	SoftMobile1	<offline></offline>
Copyright (c) 1999	001010123000002	2420	SoftMobile?	<offline></offline>
Jetcell Inc.	001010107272221	2221	Test	10.1.2.113
	234330603325815	2207	Orange	<offline></offline>
	001010123456789	2240	Test	<offline></offline>
	001010107275001	5001	test5001	<offline></offline>
	001010000002106	2106	systest2106	<offline></offline>
	001010000002108	2108	systest2108	<ol> <li>soffline&gt;</li> </ol>
	001010000002110	2110	systest2110	10.1.2.114
	0010100000002111	2111	systest2111	10.1.2.114
				<u>×</u>
Ø Applet started.				S Internet

Double-click on a list item to display details about that Mobile Station (MS).

#### **The Subscriber Detail Information Dialog Box**

The **Subscriber Detail** Information dialog box to configure a specific Mobile Station (MS).

scriber Ir I mments e Call F pplement Calling Ii Calling Ii	ooli 01 0000002111	MS ISDN	2111	
l nments e Call F pplement Calling li Calling li	001010000002111	MS ISDN	2111	
nments e Call F oplement Calling li Calling li	systest2111 prwarding any Services ne id presentation ne id restriction			
e Call F pplement Calling li Calling li	orwarding ary Services ne id presentation ne id restriction			
Calling li	ne id presentation ne id restriction			
			🖻 Caii walung	
Connect	ed line id presentation		🗹 Call hold	
Connect	ed line id restriction		☑ Call forwarding on mobile busy	
Call forw	arding unconditional		☑ Call forwarding on mobile not reachable	
Call forw	rarding on no reply			
		New	Save Cancel	
	Connect Call forw Call forw	Connected line id restriction Call forwarding unconditional Call forwarding on no reply	Connected line id restriction Call forwarding unconditional Call forwarding on no reply New	Connected line id restriction Call forwarding on mobile busy Call forwarding on mobile not reachable Call forwarding on no reply New Save Cancel

- Click New to display an empty Subscriber Detail dialog box. The MS settings in a new Detail dialog box are reset to their default values.
- Click Save to transfer updated subscriber information from the Detail dialog box to the ViperBase.
- Click Cancel to close the Detail dialog box and return to the Mobile List dialog box.

#### Sending a Text Message with SMS-CB

In the left frame, click on **SMS-CB** to open the Short Message Service Cell Broadcast (SMS-CB) dialog box. In the left frame, click on the triangular button next to SMS-CB to open the four SMS-CB topic headings:

- Schedule a New Message
- Delete a Scheduled Message (Not available)
- Query Scheduled Messages (Not available)
- Change a Schedule Message (Not available)

Each of these are described in the following sections.

#### Schedule a New Message

In the left frame, click on Schedule a New Message. The new message dialog box opens.

🛃 JetCell ViperWatch - Microsoft Intern	et Explorer	
<u> File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools <u>I</u>	<u>felp</u>	
Back Forward Stop Refre	sh Home Search Fevorites History Print	Links
Address 🛃 http://10.1.2.2/		→
no-10122	ViperWatch <sup>™</sup> - ViperBase	Jercell
1. 10.1.2.2		
ViperWatch-ViperBase Introduction ViperCell List ViperBase Configuration Subscriber Management	Short Message Service Cell Broadcast (SMSCB) This page allows you to input a message to be broadcasted on the	
▼ <u>SMS-CB</u> Schedule a New Message Delete a Scheduled Message Ouery Scheduled Messages Change a Scheduled Message	selected ViperCells.	
Copyright	Geographical Scope PLMN Wide	
JetCell Home	Display Mode Normal	
<u>Documents</u> Feedback	Message Identifier 0000	
If cookies are disabled,	Language Option English	
this outline cannot expand. This frame is resizable. Copyright (c) 1999 Jetcell Inc.	Broadcast Start Time Mon Day Year Hr Min Am/PM 11 02 1999 09 55 AM	
	Broadcast Duration 30 Minutes	
	Message	
	Submit Recall Reset	
Ø No further items		Solutionet

The new SMS-CB Message dialog box includes the following parameters:

- Geographical Scope of the message:
  - PLMN Wide
  - Location Area wide
  - Cell Wide
- Display Mode:
  - This option is not yet implemented.
- A 4-digit Message Identifier
- Language Option for the message.
- Broadcast Start Time of the message
- Broadcast Duration
- The Message to be sent

Click Send to transfer the message to the ViperBase. The ViperBase sends the message to all MS's in the chosen geographical scope.

#### **Delete a Scheduled Message**

This feature is not yet implemented.

#### **Query Scheduled Messages**

This feature is not yet implemented.

# **Change a Schedule Message**

This feature is not yet implemented.

# Sending Feedback to JetCell, Inc.

In the left frame, click Feedback to open the Feedback dialog box.

📢 Opera 3.60 - [JetCe	ll Viper Watch]	_ & ×
10:10122	JetCell Viper Base Watch	JerCe
JetCell Vaper Base Watd. Introduction VaperBase Configuration Subscriber Management. Copyright JetCell Home Documentation Feedback Tracking and and the in subscription space The fame is combined. Capinghi, (2) 1999 JetCell Inc.	Please tell us what you think about this page in the ViperWatch, or anything else that comes to mind. We welcome all of your comments and suggestions.;         What kind of comment would you like to send?         © Complaint © Problem & Suggestion © Praise         What about us do you want to comment on?         Web Site P Page Name:         Enter your comments in the space provided below:         Tell us how to get in touch with you:         Name         E-mail         Tell         Please contact me as soon as possible regarding this matter.         Steint Comments         Other Form         Jefel Inc.         172 Constitution Drive         Maile Park, CA 2002         Tell Inc.         172 Constitution Drive         Medie Park, CA 2002         Tail Revised August 20, 1999	
Click anywhere her	re if you wish to see viper cell alarm. 1.2.2/leadback htm	70%
and an analytic		

Use the Feedback form to report problems or request enhancements from JetCell, Inc.

- Click Submit Comments to transfer the form to JetCell, Inc.
- Click Clear Form to reset the feedback dialog box to the default state