



Sippy Software, Inc

# Sippy Softswitch

## Version 1.8 Release Notes

October 2009

## **Introduction**

The release 1.8 of Sippy Softswitch continues Sippy Software initiative of enabling ITSPs offering different VoIP products and services from a unified platform. This major release delivers improved switching and billing architecture, advanced routing and management features and broader set of supported business scenarios.

## **What's New in Sippy Softswitch 1.8**

### **Call Shop module**

The new Call Shop module provides functionality necessary for offering hosting call shop services. Each wholesale account (Customer) can be a hosted callshop.

### **VPN module**

Sippy Software now offers additional VPN module, which can be used to penetrate firewalls and overcome VoIP blocking by internet service providers. The VPN server software is fully integrated into the softswitch and doesn't require any additional hardware to run at. Client software for all versions of Windows operating system and MacOS X operating system is available and can be branded with customer logo and name.

### **Support for multiple users with different access levels within a single Customer**

New feature has been added to allow more than one user with different access levels accessing the system at the same time. Each user can have separate login and password. Right now two access levels are available: "Full" and "Callshop Operator".

### **Support for Service Plans**

The new Service Plans feature allows creating flexible pre-paid and post-paid plans with certain amount of minutes (or unlimited minutes) and services included for a fixed price per billing period.

### **Spanish language support in IVR**

All IVR applications (Calling Card, etc) now fully support Spanish language.

### **New "Send by E-mail" feature for CDRs/Reports**

New feature has been added to request delivery of the CDRs/Summary report for the arbitrary period via e-mail.

### **Performance improvements for CDRs/Reports**

CDRs and Summary Reports have been extended to provide much better performance on the systems that handle large amounts of traffic.

### **Call handling improvements on SMP hardware**

Call processing (SIP stack) has been extended to make better use of the current multi-CPU/multi-core processors to minimize post dial delay added by the Softswitch and increase peak CPS (calls per second) that the system is able to handle.

### **Automatic replication state monitoring**

The system now monitors state of the replication between main switch and stand-by and automatically switches to main server if replication lags behind by more than 1 minute.

### **New options to display origination details at the ACD/ASR reports generator**

Several new options have been added to the ACD/ASR reports generation allowing seeing detailed reports about origination and filter traffic from specific Customers and Accounts.

### **Result display on Vendor CDRs report**

The Vendor CDRs report has been extended to display SIP result code.

### **System Maintenance mode support**

New System Maintenance menu on the System Parameters page allows putting softswitch into “maintenance mode” mainly to be use during system upgrade process. In this menu, subscribers won’t be able to access either the entire interface or just a portion of it (Call History and Call Reports) to prevent them from seeing incomplete data and interfering with the upgrade process.

### **Low balance notification support**

The system now can send automatic e-mail notification to account owners when his or her balance approaches certain limit.

### **Transaction Fee for payment processors**

Payment processors now allow configuring Transaction Fees, which could be used to account for costs incurred while accepting payments from Accounts and Customers.

### **Destinations management**

Mapping from phone number into Country/Description can now be customized.

## **Balance threshold for CLI authentication**

Option has been added to place a minimal limit on account balance when performing authentication by the caller's number.

## **Suppress "press the pound key" phrase**

The calling card application can now skip part of the message to make dialing faster.

## **Third-party software updates.**

Most of the third-party software packages have been updated to the latest version for improved performance, security and reliability. Particularly:

- PostgreSQL database server software has been upgraded to the version 8.3.9.
- Apache web server has been upgraded to the version 2.2.13.
- PHP language interpreter has been upgraded to the version 5.2.10.
- Python language interpreter has been upgraded to the version 2.5.4.
- FreeBSD operating system has been upgraded to the version 7.2.
- Asterisk IVR server has been upgraded to the version 1.4.26.

## **Contacts**

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