

I. Introduction

This Digium Asterisk AA-50 Integration Guide provides general instructions for integration of the **VOIP-500 Series Phone** with a Digium Asterisk AA-50. It is recommended to read this instruction set completely before starting any installation. For detailed VOIP-500 Series Phone setup instructions, please consult the **VOIP-500 Series Phone Manual**. This integration guide has been specifically developed for a Digium Asterisk AA-50, however the following instructions may apply to other asterisk installations.

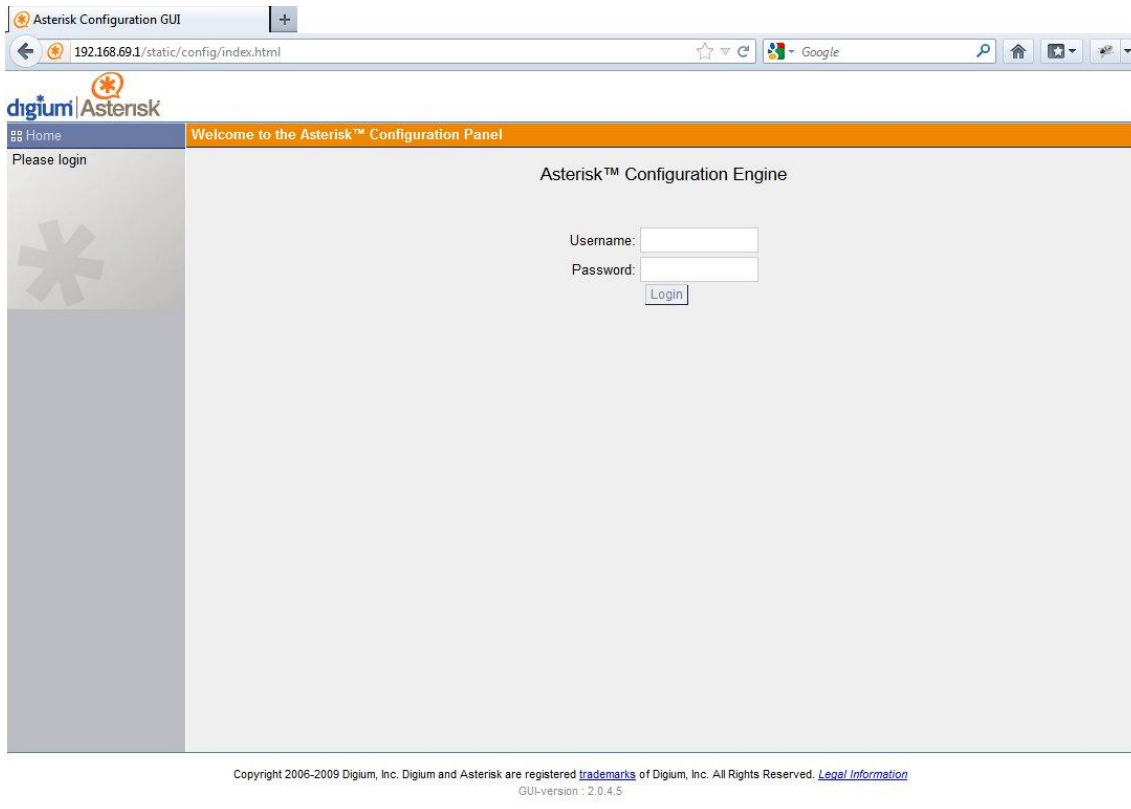
II. Prerequisites

- Digium Asterisk AA-50
- Network access to the AA-50, **VOIP-500 Series Phones** and all network services (SIP, TFTP, HTTP, FTP, DNS, RTP/SRTP)

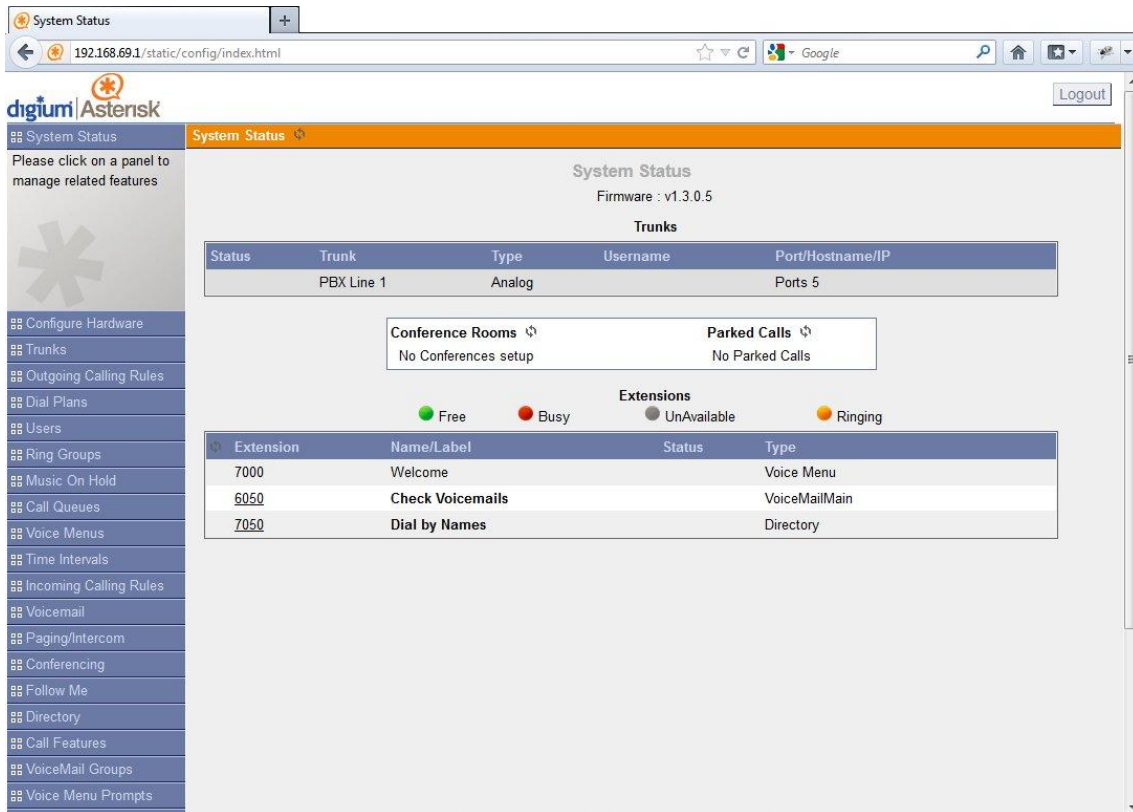
III. AA-50 Basic Configuration

Basic instructions for integrating a **VOIP-500 Series Phone** with a Digium Asterisk AA-50 are included. Advanced setup of AA-50 features is outside the scope of this document.

1. Using a web browser, enter the IP address (or FQDN if configured) of the AA-50 in the address bar:



2. Login to Digium Asterisk AA-50:



System Status
Firmware : v1.3.0.5

Trunks

Status	Trunk	Type	Username	Port/Hostname/IP
	PBX Line 1	Analog		Ports 5

Conference Rooms No Conferences setup

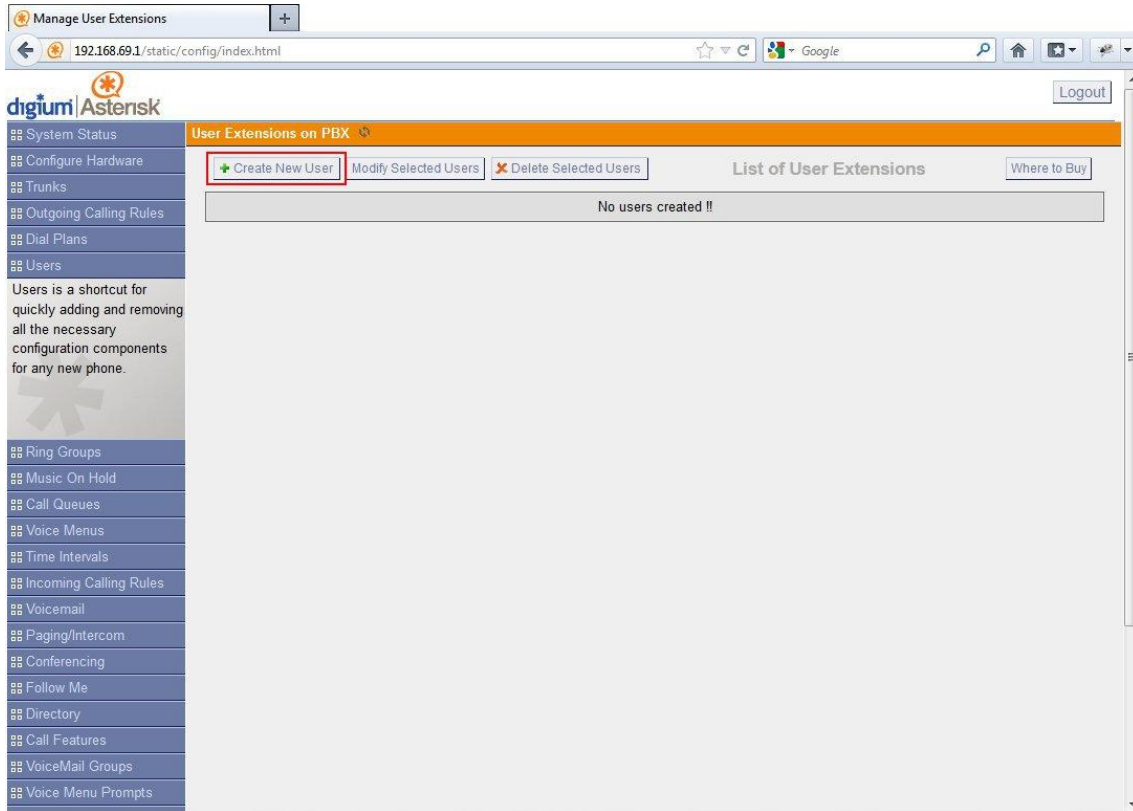
Parked Calls No Parked Calls

Extensions

- Free (Green dot)
- Busy (Red dot)
- UnAvailable (Grey dot)
- Ringing (Orange dot)

Extension	Name/Label	Status	Type
7000	Welcome		Voice Menu
6050	Check Voicemails		VoiceMailMain
7050	Dial by Names		Directory

- Each VOIP-500 Series Phone should have a unique User. In the Digium Asterisk AA-50 main menu, select **Users** then **Create New User**.



4. Enter the required fields to create a new User:

Extension: A unique Extension for each **VOIP-500 Series Phone**.

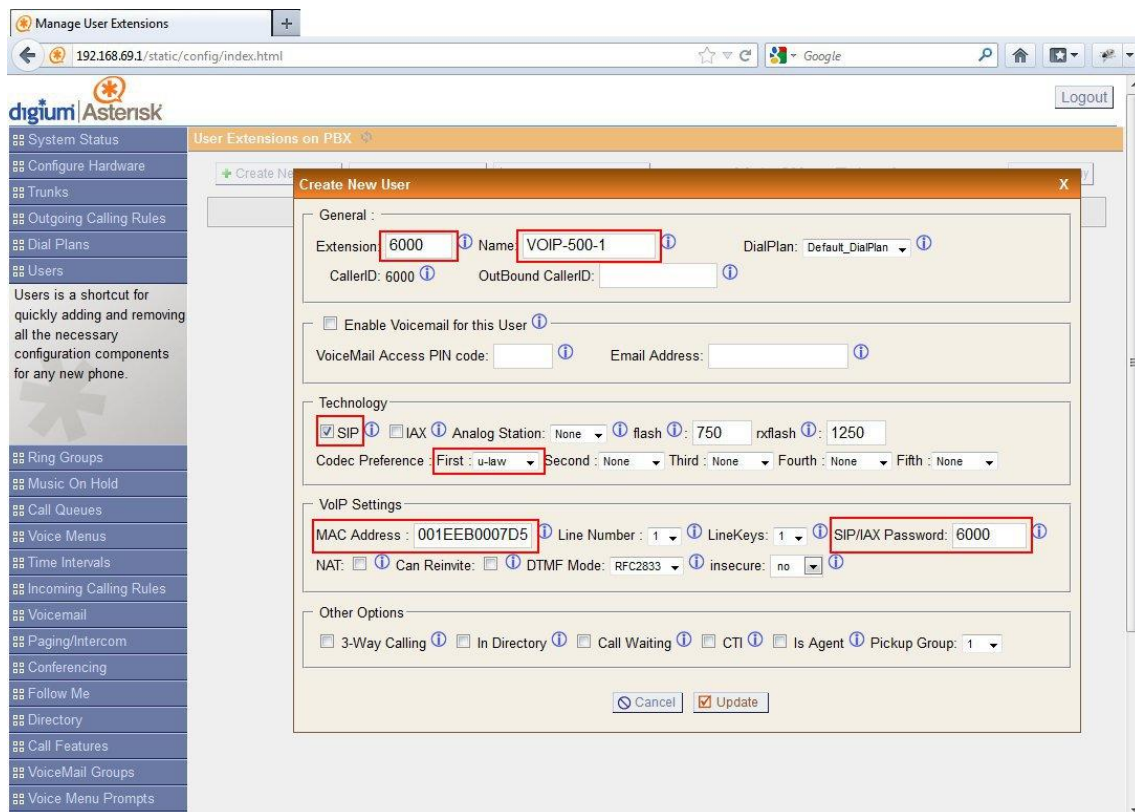
Name: A unique Name for each **VOIP-500 Series Phone**.

SIP: Ensure SIP (Session Initiation Protocol) is selected.

Codec Preference: Ensure u-law is selected.

MAC Address: Enter the MAC (Media Access Controller) address of the **VOIP-500 Series Phone**.

SIP/IAX Password: Enter a unique Password for the **VOIP-500 Series Phone**.



The screenshot shows the 'Create New User' form in the Digium Asterisk web interface. The form is titled 'Create New User' and is divided into several sections:

- General:** Extension: 6000, Name: VOIP-500-1, DialPlan: Default_DialPlan, CallerID: 6000, OutBound CallerID: (empty).
- Voicemail:** Enable Voicemail for this User. VoiceMail Access PIN code: (empty), Email Address: (empty).
- Technology:** SIP, IAX, Analog Station: None, flash: 750, rxfash: 1250. Codec Preference: First: u-law, Second: None, Third: None, Fourth: None, Fifth: None.
- VoIP Settings:** MAC Address: 001EEB0007D5, Line Number: 1, LineKeys: 1, SIP/IAX Password: 6000. NAT: Can Reimite, DTMF Mode: RFC2833, insecure: no.
- Other Options:** 3-Way Calling, In Directory, Call Waiting, CTI, Is Agent, Pickup Group: 1.

Buttons: Cancel, Update.

5. If adding multiple **VOIP-500 Series Phones**, repeat Steps 3-4 for each device.

IV. VOIP-500 Series Phone Configuration

- Using a web browser, enter the IP address of the **VOIP-500 Series Phone** that you are programming. Login to the device with the configured Username and Password.
- In the VOIP-500 main menu, select **Network > SIP Settings**.
- Enter the following fields on the **SIP Settings** page. Then click **Apply**.
Assign a phone number:
Phone Number: Enter the Extension created in Step III-4

Specify domain name:

Domain Name: Enter the IP address of the Digium Asterisk AA-50

Enable/disable SIP registration:

Register: Checked

Specify SIP registrar:

Username: Enter the Extension create in Step III-4

Password: Enter the SIP/IAX Password created in Step III-4

IP Address: Enter the IP address of the Digium Asterisk AA-50

Port: (default: 5060)

Re-registration Time: (default: 3600)

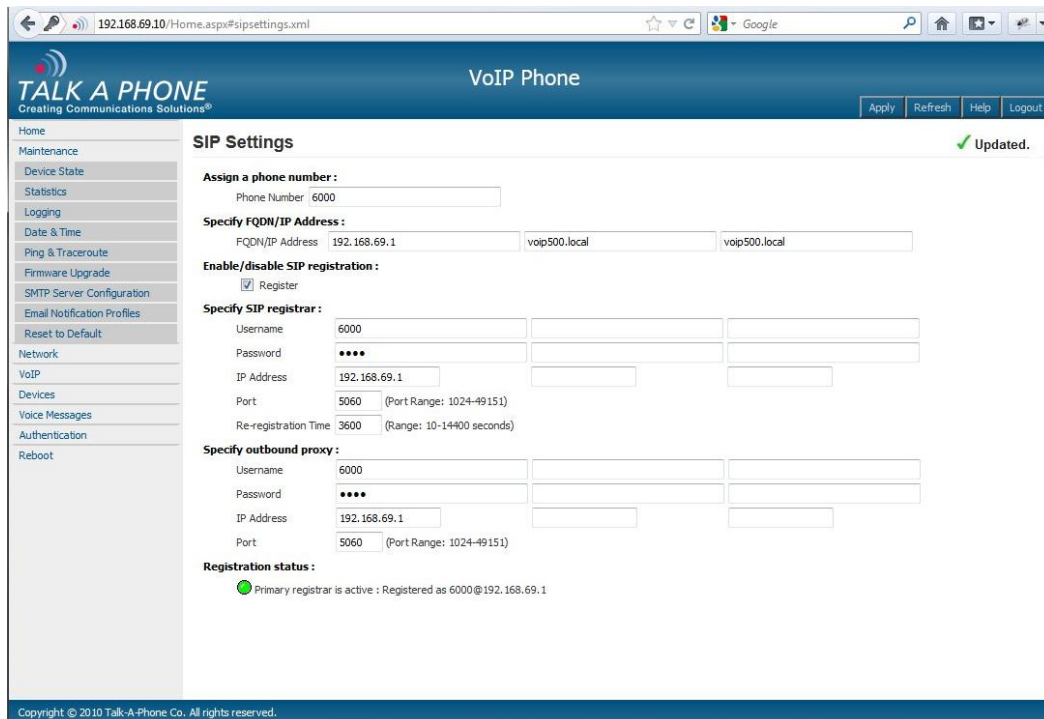
Specify outbound proxy:

Username: Enter the Extension create in Step III-4

Password: Enter the SIP/IAX Password created in Step III-4

IP Address: Enter the IP address of the Digium Asterisk AA-50

Port: (default: 5060)



- Repeat steps 1-4 for any additional **VOIP-500 Series Phones**.