



Wildix Configuration Guide: SIP Paging Adapter

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Revision Information

- 10/7/2021 Initial Release
- 10/14/2021 Updated extension process.
- 11/10/2021 Updated screenshots and extension requirements.

WILDIX CONFIGURATION GUIDE: SIP PAGING ADAPTER

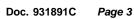




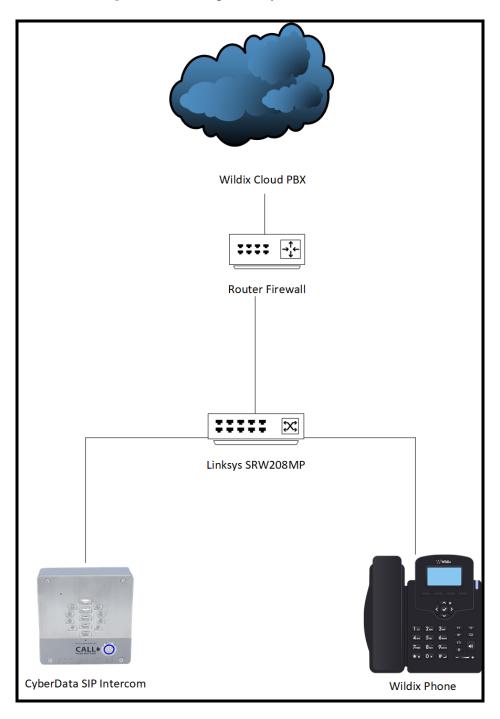
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1.0 Setup Diagram

Figure 1-1: Interoperability Test Infrastructure



2.0 Test Setup Equipment

This section describes the products used for interoperability testing with Wildix.

Table 2-1: Setup Equipment

| EQUIPMENT | MODEL or PART NUMBER | FIRMWARE VERSION |
|---------------------------------|----------------------|------------------|
| CYBERDATA SIP PAGING ADAPTER | 011233 | 20.1.0 |
| LINKSYS SWITCH | SRW208MP | |



3.0 Before You Start

This configuration guide documents the integration process of a CyberData SIP Paging Adapter.

Network Advisories

Wildix uses a Fully Qualified Domain Name (FQDN) for the SIP server address. The CyberData SIP Paging Adapter needs to perform a DNS A query to resolve the IP address of Wildix's SIP Server FQDN. It is necessary to ensure the configured DNS server(s) have an A record for the SIP Server address.

In addition, be sure to verify the following ports are available for the button to use:

- UDP 5060 (SIP)
- UDP 10500 (RTP)

The paging adapter will need to traverse the public internet in order to operate with Wildix in the cloud.

The paging adapter's paging extension uses SIP port 5060 to receive SIP messages. The paging extension will send SIP messages to port 5060, the port used by Wildix's SIP Server.

SIP ports 5060 and RTP port 10500 are the default values on all noted firmware levels.

Alternatively, SIP ports for the paging extension are configurable on the **SIP** page of the web interface.

The CyberData Discovery Utility can be used to locate CyberData devices on your network. You may download it from the following web address: https://www.cyberdata.net/pages/discovery

Note: *DHCP* addressing mode is enabled on default on all noted firmware levels.

Product Documentation and Utilities

Before you start, download the Operation and Quick Start guides from the button's product webpage:

CyberData SIP Paging Adapter (011233)

https://files.cyberdata.net/assets/011233/011233_931763C_SIP_Paging_Adapter_Operations_Gu_ide.pdf

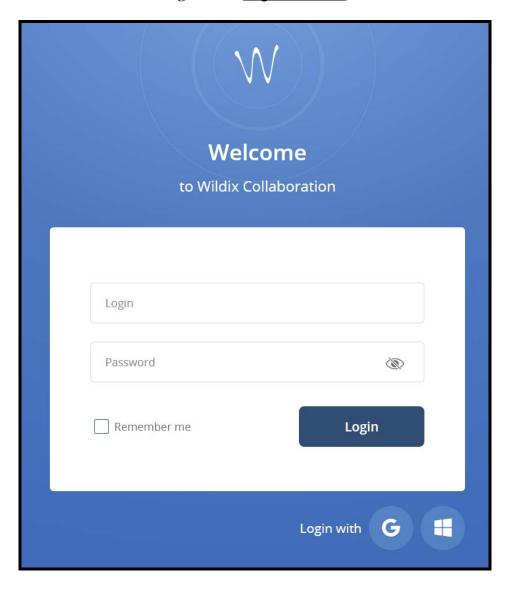


4.0 Configuration Procedure: Extension Creation

Note: Wildix requires a Wildix UC-Basic (simple intercom usage or Vision & Super Vision user) or Wildix UC-Essential (users who want to manage the intercom from Collaboration) to use CyberData products on the platform.

1. Log into Wildix.

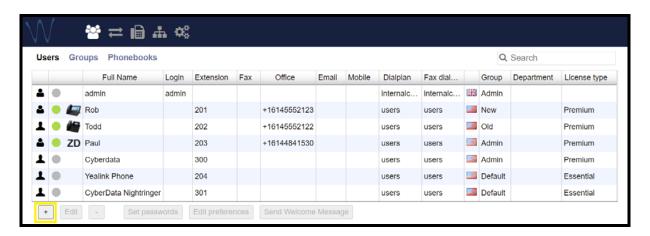
Figure 4-1: Log into Wildix





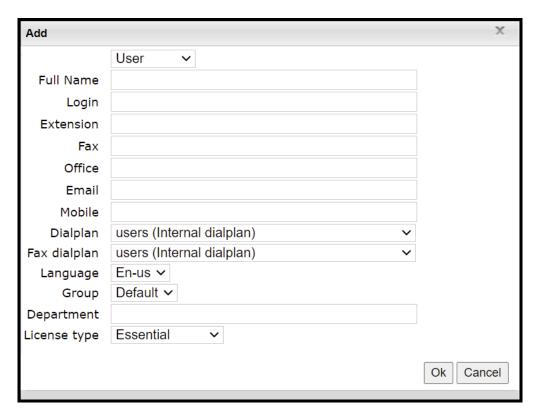
2. On the Users Menu page press the + button to add a new extension. .

Figure 4-2: <u>Users Menu</u>



3. A pop-up to create the extension will appear.

Figure 4-3: Extension creation

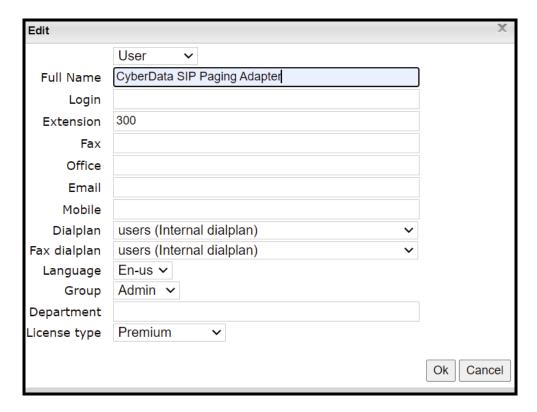




- **4.** Make sure the drop-down menu has **User** selected.
- **5.** Set the full name to the location of the paging adapter.
- **6.** Set the **Extension Number** desired for the device.

Note: Other values can be set, but for the purposes of this guide all other fields are left blank.

Figure 4-4: Filled Extension Popup



- 7. Press **Ok** to save the extension.
- **8.** After creating the extension, select it out of the list.

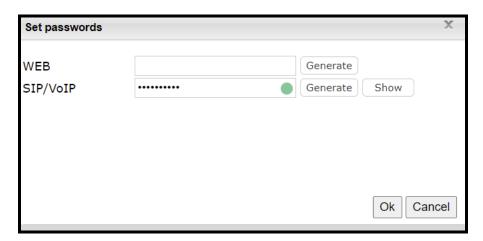


Figure 4-5: Extension Created



- **9.** After selecting the extension press **Set Passwords**.
- 10. Click on the Generate button for SIP/VoIP to create a password

Figure 4-6: Set Passwords Popup



11. Click the show button and copy the auto-generated password which will be required in the next section.



5.0 Configuration Procedure: Setting up the Paging Extension

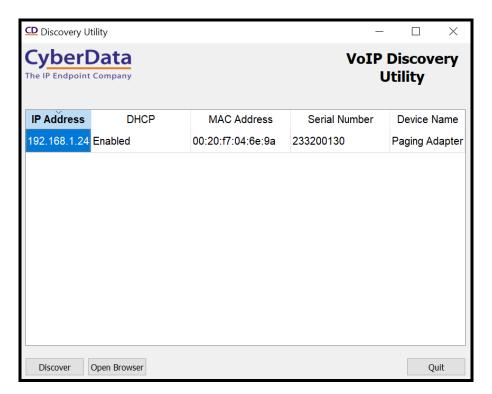
If you are configuring through the web interface, use the following steps to login to the web interface of your CyberData device.

Table 5-1: Setting Name correlation

| CyberData Setting | Wildix Provisioning Pop-up |
|---------------------------|----------------------------|
| Primary SIP Server | SIP Domain |
| Primary SIP User ID | Extension Number |
| Primary SIP Auth ID | Extension Number |
| Primary SIP Auth Password | Password |

1. Click **Launch Browser** from the CyberData Discovery Utility or point your browser to the CyberData device's IP address to access the Home Page of the web interface.

Figure 5-1: CyberData Discovery Utility



2. Enter the default credentials when prompted and click the **Log In** button.

<u>Username: admin</u> Password: admin



Figure 5-2: Home Tab



3. Navigate to the SIP Tab.



Figure 5-3: SIP Tab

| CyberData Paging Adapter | | | | |
|--|---|---|--|--|
| SIP Settings | | Nightringer Settings | | |
| | wildixstudent9 wildixin.com | SIP Server: Host or IP address SIP User ID: User ID SIP Auth ID: Auth ID SIP Auth Password: Password Re-registration interval (in seconds): 380 | | |
| Primary SIP Auth Password: Re-registration Interval (in seconds): | | Call Disconnection | | |
| Backup SIP Server 1: Backup SIP User ID: Backup SIP Auth ID: Backup SIP Auth Password: | Host or IP address User ID Auth ID Password | Audio Codec Selection | | |
| Re-registration interval (in seconds): Backup SIP Server 2: Backup SIP User ID: | 360 Host or IP address User ID | RTP Settings | | |
| Backup SIP Auth ID: Backup SIP Auth Password: Re-registration Interval (in seconds): | Auth ID Password | RTP Port (even): 10500 Asymmetric RTP: Jitter Buffer: 50 RTP Encryption (SRTP): Oisabled | | |
| Remote SIP Port: Local SIP Port: SIP Transport Protocol: | 5060 5060 | Save Reboot Toggle Help | | |
| TLS Version: Verify Server Certificate: Outbound Proxy: | 1.2 only (recommended) | | | |
| Outbound Proxy Port: Use Cisco SRST: Disable rport Discovery: | 0 | | | |
| Keep Alive Period: | 10000 | | | |

- **4.** Set the **Primary SIP Server** to the FQDN of the Wildix Server.
- 5. Set the **Primary SIP User ID** to the extension number.
- **6.** Set the **Primary SIP Auth ID** to the extension number.
- **7.** Set the **Primary SIP Auth Password** to the auto-generated password from the previous section.
- **8.** Set the **Keep Alive Period** to 0.
- **9.** Save.
- 10. Reboot.

Once the unit reboots it should be registered with Wildix.

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6.0 Configuration Procedure: Setting up the Nightringer Extension

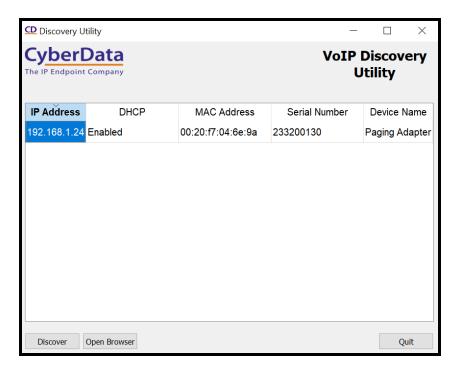
If you are configuring through the web interface, use the following steps to login to the web interface of your CyberData device.

Table 6-1: Setting Name correlation

| CyberData Setting | Wildix Provisioning Pop-up |
|---------------------------|----------------------------|
| Primary SIP Server | SIP Domain |
| Primary SIP User ID | Extension Number |
| Primary SIP Auth ID | Extension Number |
| Primary SIP Auth Password | Password |

1. Click **Launch Browser** from the CyberData Discovery Utility or point your browser to the CyberData device's IP address to access the Home Page of the web interface.

Figure 6-1: CyberData Discovery Utility



2. Enter the default credentials when prompted and click the **Log In** button.

<u>Username: admin</u> <u>Password: admin</u>

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Figure 6-2: Home Tab



3. Navigate to the SIP Tab.



Figure 6-4: SIP Tab

| CyberData Paging Adapter | | | | | |
|---|---|---|---|--|--|
| SIP Settings Nightringer Settings | | | | | |
| Enable SIP operation: Register with a SIP Server: Buffer SIP Calls: Primary SIP Server: Primary SIP User ID: Primary SIP Auth ID: | wildixstudent9 wildixin.com | SIP User ID: SIP Auth ID: | wildixstudent9.wildixin.com 301 301 301 | | |
| Primary SIP Auth D. Primary SIP Auth Password: Re-registration Interval (in seconds) | | Call Disconnection | | | |
| Backup SIP Server 1: Backup SIP User ID: Backup SIP Auth ID: Backup SIP Auth Password: | Host or IP address User ID Auth ID Password | Audio Codec Selection | n | | |
| Re-registration Interval (in seconds) Backup SIP Server 2: Backup SIP User ID: | Host or IP address User ID | RTP Settings | | | |
| Backup SIP Auth ID: Backup SIP Auth Password: Re-registration Interval (in seconds) | | Asymmetric RTP: Jitter Buffer: 50 RTP Encryption (SRTP): Disabled |] | | |
| Remote SIP Port: Local SIP Port: SIP Transport Protocol: | 5060 5060 | Save Reboot Toggle Help | | | |
| TLS Version: Verify Server Certificate: | | | | | |
| Outbound Proxy: Outbound Proxy Port: | Host or IP address | | | | |
| Use Cisco SRST: Disable rport Discovery: Keep Alive Period: | 10000 | | | | |

- **4.** Set the **SIP Server** to the FQDN of the Wildix Server.
- **5.** Set the **SIP User ID** to the extension number.
- **6.** Set the **SIP Auth ID** to the extension number.
- 7. Set the SIP Auth Password to the auto-generated password from the previous section.
- **8.** Set the **Keep Alive Period** to 0.
- **9.** Save.
- 10. Reboot.

Once the unit reboots it should be registered with Wildix.



7.0 Contact CyberData Corporation

Sales

For sales-related questions, please visit our <u>Contact CyberData Sales</u> web page for more information.

Technical Support

For CyberData Technical Support, please submit a <u>Contact CyberData VoIP Technical Support</u> form on our website.

The CyberData VoIP Technical Support Contact form initiates a troubleshooting ticket which CyberData uses for quality assurance purposes.

Additionally, the Contact VoIP Tech Support form tells us which phone system you are using, the make and model of the network switch, and other essential troubleshooting information we need to efficiently assist with a resolution. Please also include as much detail as possible in the Describe Problem section of the form. Your installation is extremely important to us.

Documentation Feedback

We realize changes to the software or hardware of the Wildix PBX solution may render this document obsolete. We welcome and encourage documentation feedback to ensure continued applicability.