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# *Provisioning Grandstream Devices*



**GRANDSTREAM**

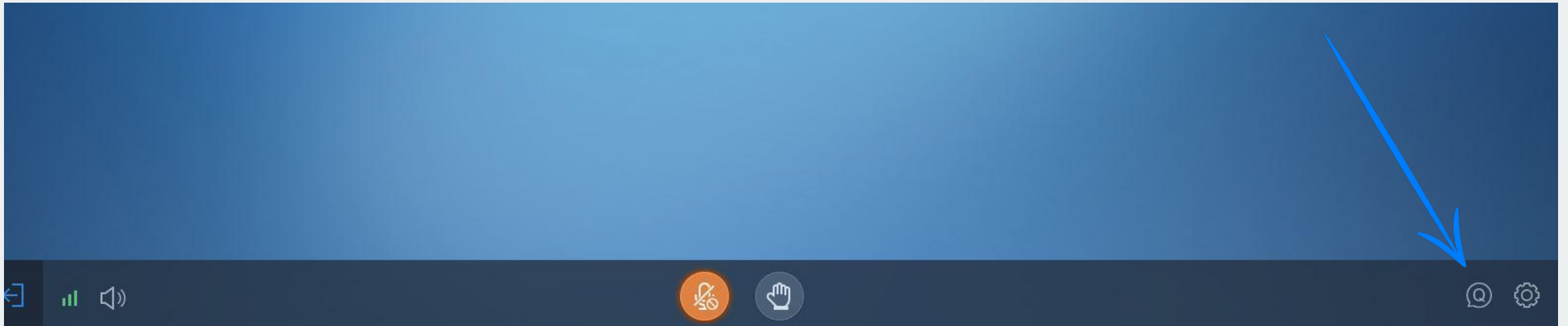
CONNECTING THE WORLD

Presented By:

*Hieu Huynh - Director of Support, NA & APAC*

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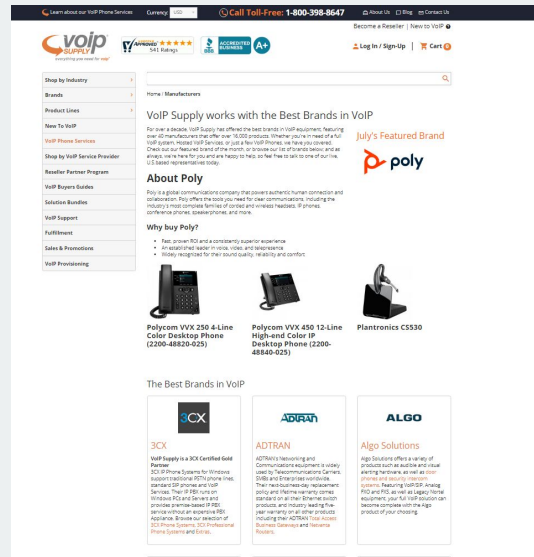
We Are VoIP Supply



# Who is VoIP Supply

VoIP Supply is North America's leading VoIP solutions provider.

We have been taking the stress out of VoIP Solution design since 2002! Reclaim your industry experience and join our team of over 125,000 customers.



## Product Catalog

Over 5,000 products from over 60 of the industry's leading manufacturers

## We are More than just a Website!

Best Places to Work in Western New York

500/5000 Company

Buffalo Niagara Business Ethics Award Nominee

## VoIP Experts

Combined, our experts have over

**FIFTY** years of experience

We Are VoIP Supply

# Reseller Benefits



Since 2002 VoIP Supply has delivered unparalleled service and expertise to over 125,000 customers worldwide.

## VoIP Rental Program

our Device as a Service (DaaS) rental program gives your customers the widest variety of VoIP Products for a low monthly payment!

## Hardware & Provisioning

featuring over 60 manufacturers that offer over 16,000 products and the ability to provision for you!

## CloudSpan MarketPlace

a single place to shop various VoIP service providers - build up your MRR and receive discounts on hardware selling through VoIP Supply

## Fulfillment

provisioning and professional services from multiple warehouse locations in North America; providing real-time access to manage your projects from order through delivery

## Refresh & Reclaim

offering certified reconditioned devices at a fraction of the cost plus offering an outlet for selling off used and excess VoIP equipment

# Product Provisioning

- Automatic Configuration
- Quick Deployment
- Mass Deployment
- Plug and Play

# Flexible Provisioning

1. Web UI and Keypad Lockdown
2. XML and Name Based XML Configuration
3. TR-069
4. Redirection Services - GAPS
5. Full Management – GDMS.Cloud and GDMS.Local
6. All options have security in mind

# Provisioning **Mechanisms**

## File Types

- Binary Configuration Files
- XML Configuration Files
- Alias-based XML Configuration Files

# Provisioning **Mechanisms**

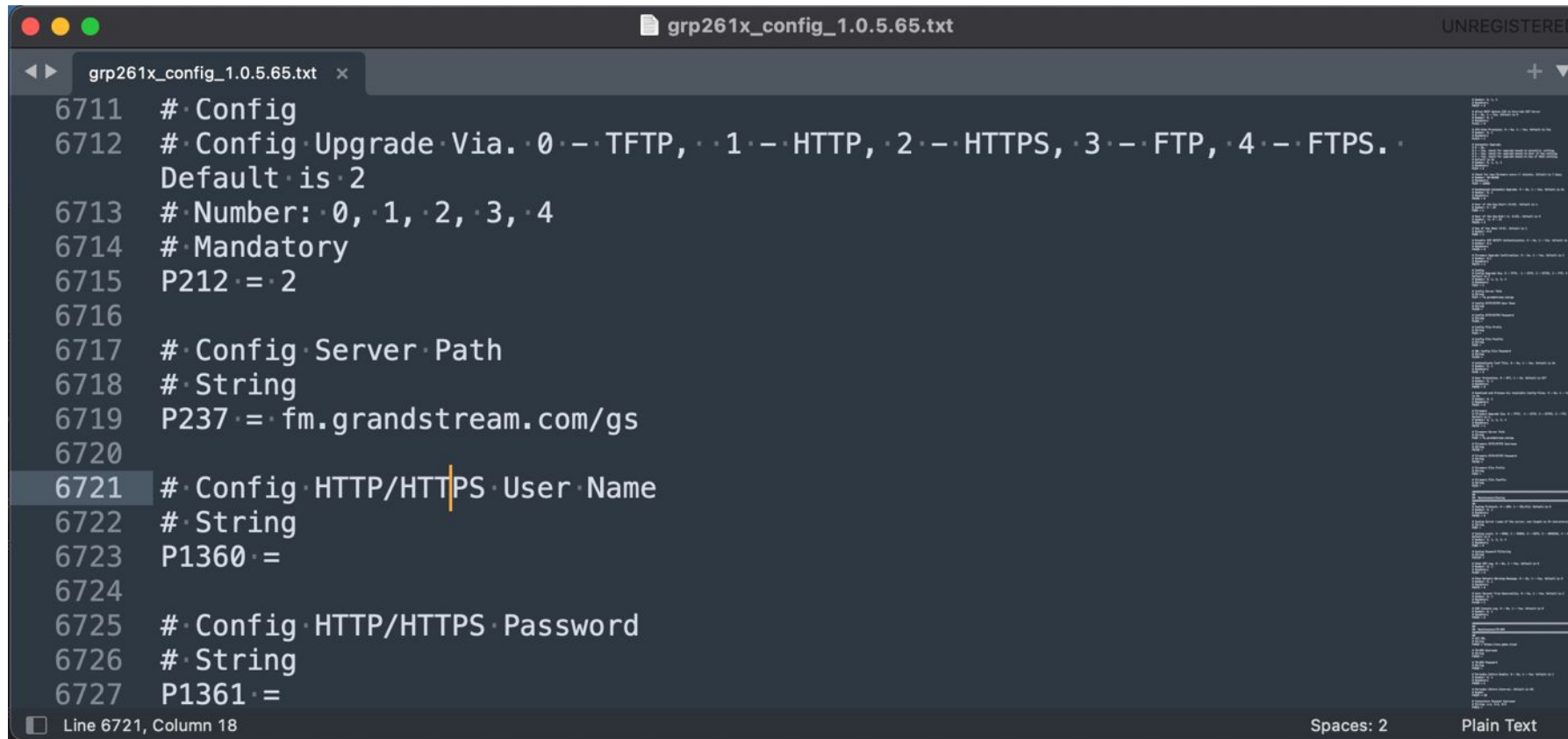
## File Names

- Individual device – Binary => **cfgMAC**
- Individual device – XML => **cfgMAC.xml**
- Model Template – XML => **cfgModelName.xml**
- Global Template – XML => **cfg.xml**



# Provisioning Mechanisms

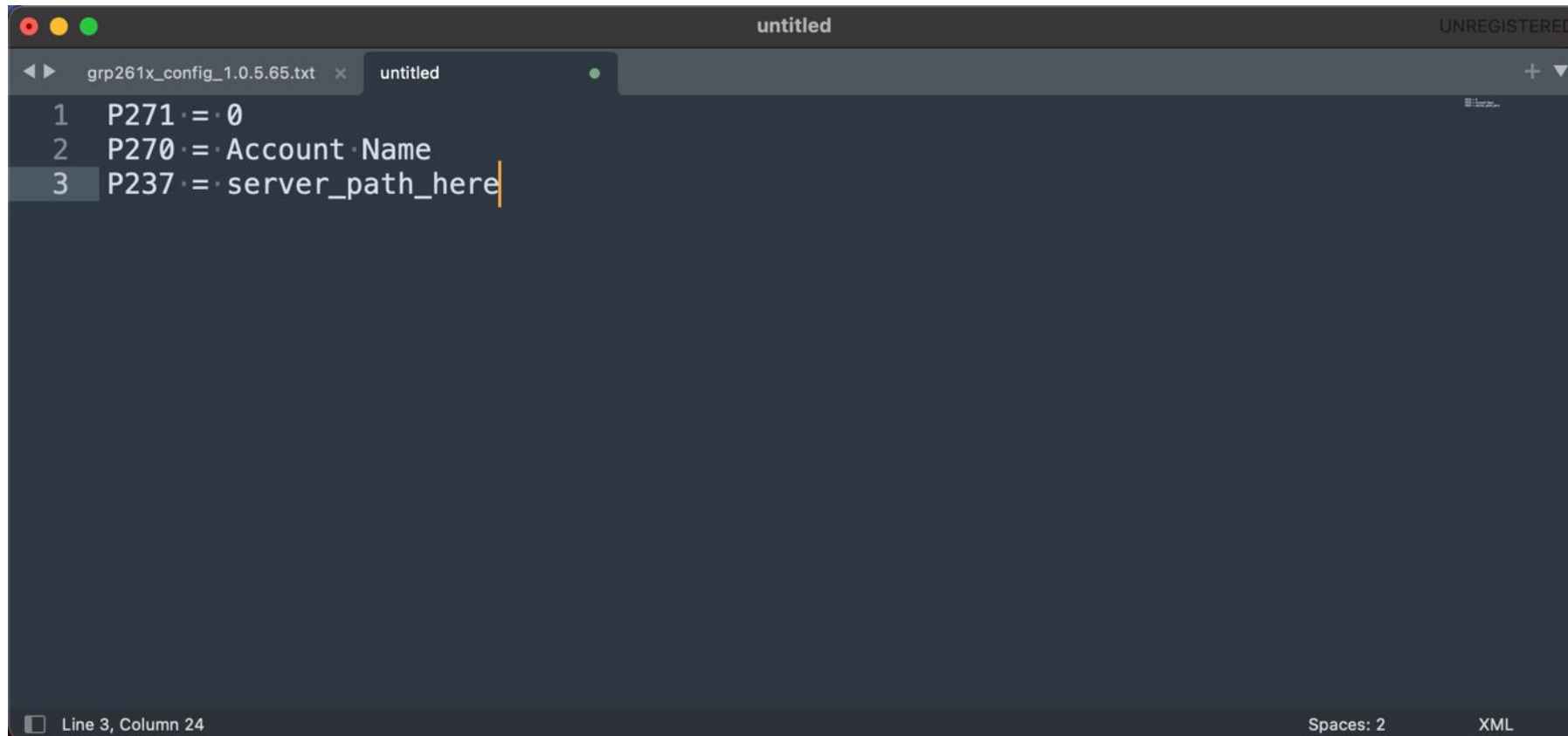
## Configuration Templates - Binary



```
grp261x_config_1.0.5.65.txt UNREGISTERED
grp261x_config_1.0.5.65.txt x
6711 # Config
6712 # Config Upgrade Via. 0 -- TFTP, 1 -- HTTP, 2 -- HTTPS, 3 -- FTP, 4 -- FTPS.
      Default is 2
6713 # Number: 0, 1, 2, 3, 4
6714 # Mandatory
6715 P212 = 2
6716
6717 # Config Server Path
6718 # String
6719 P237 = fm.grandstream.com/gs
6720
6721 # Config HTTP/HTTPS User Name
6722 # String
6723 P1360 =
6724
6725 # Config HTTP/HTTPS Password
6726 # String
6727 P1361 =
Line 6721, Column 18 Spaces: 2 Plain Text
```

# Provisioning Mechanisms

## Configuration File - Binary

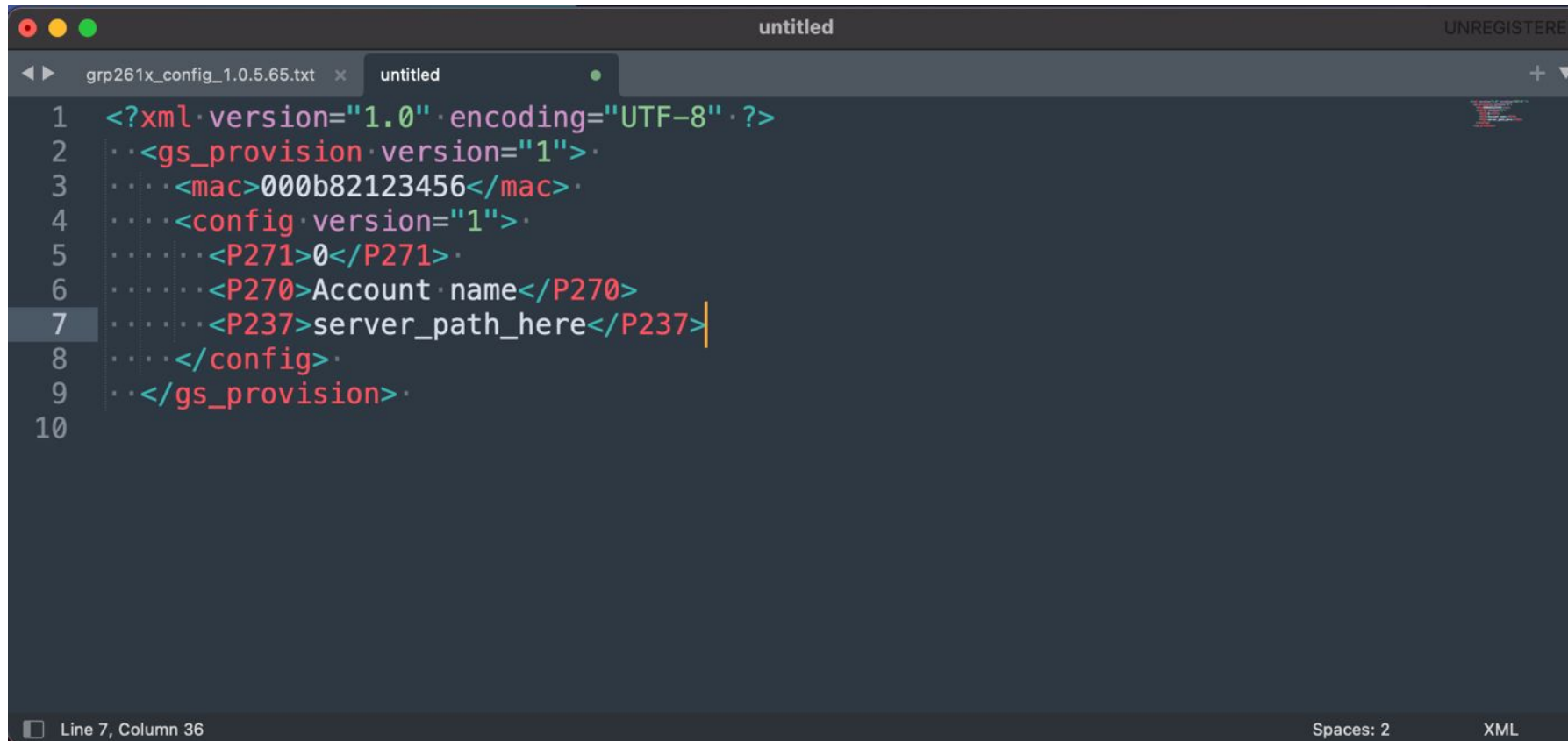


```
1 P271 := 0
2 P270 := Account Name
3 P237 := server_path_here
```

The screenshot shows a code editor window titled "untitled" with a dark theme. The editor contains three lines of configuration text. The first line is "1 P271 := 0", the second is "2 P270 := Account Name", and the third is "3 P237 := server\_path\_here". The third line is currently selected. The status bar at the bottom indicates "Line 3, Column 24", "Spaces: 2", and "XML".

# Provisioning Mechanisms

## Configuration File - XML



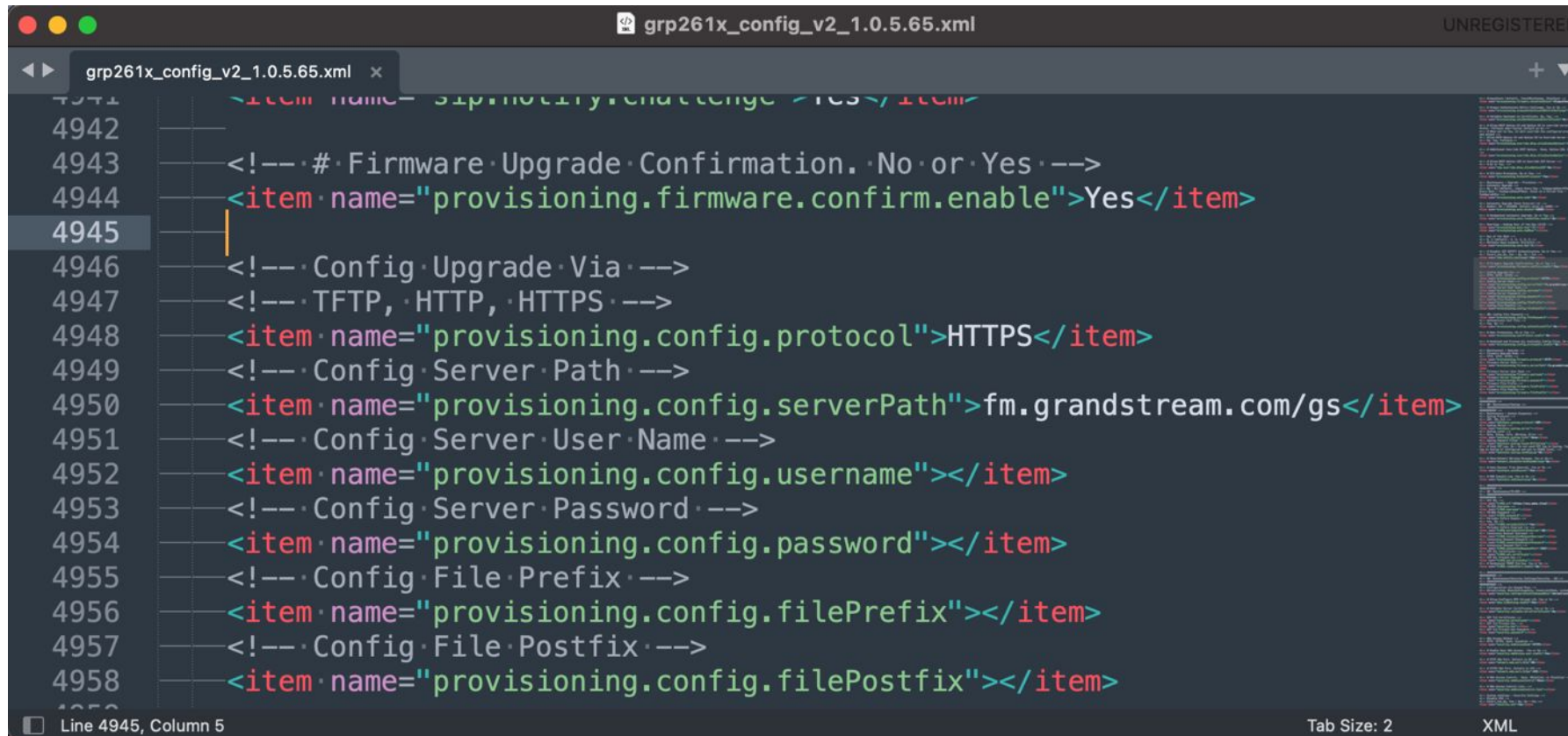
The image shows a code editor window titled "untitled" with a dark theme. The editor contains an XML configuration file with the following content:

```
1 <?xml version="1.0" encoding="UTF-8" ?>
2   <gs_provision version="1">
3     <mac>000b82123456</mac>
4     <config version="1">
5       <P271>0</P271>
6       <P270>Account name</P270>
7       <P237>server_path_here</P237>
8     </config>
9   </gs_provision>
10
```

The status bar at the bottom indicates "Line 7, Column 36", "Spaces: 2", and "XML".

# Provisioning Mechanisms

## Configuration File – Alias-based XML

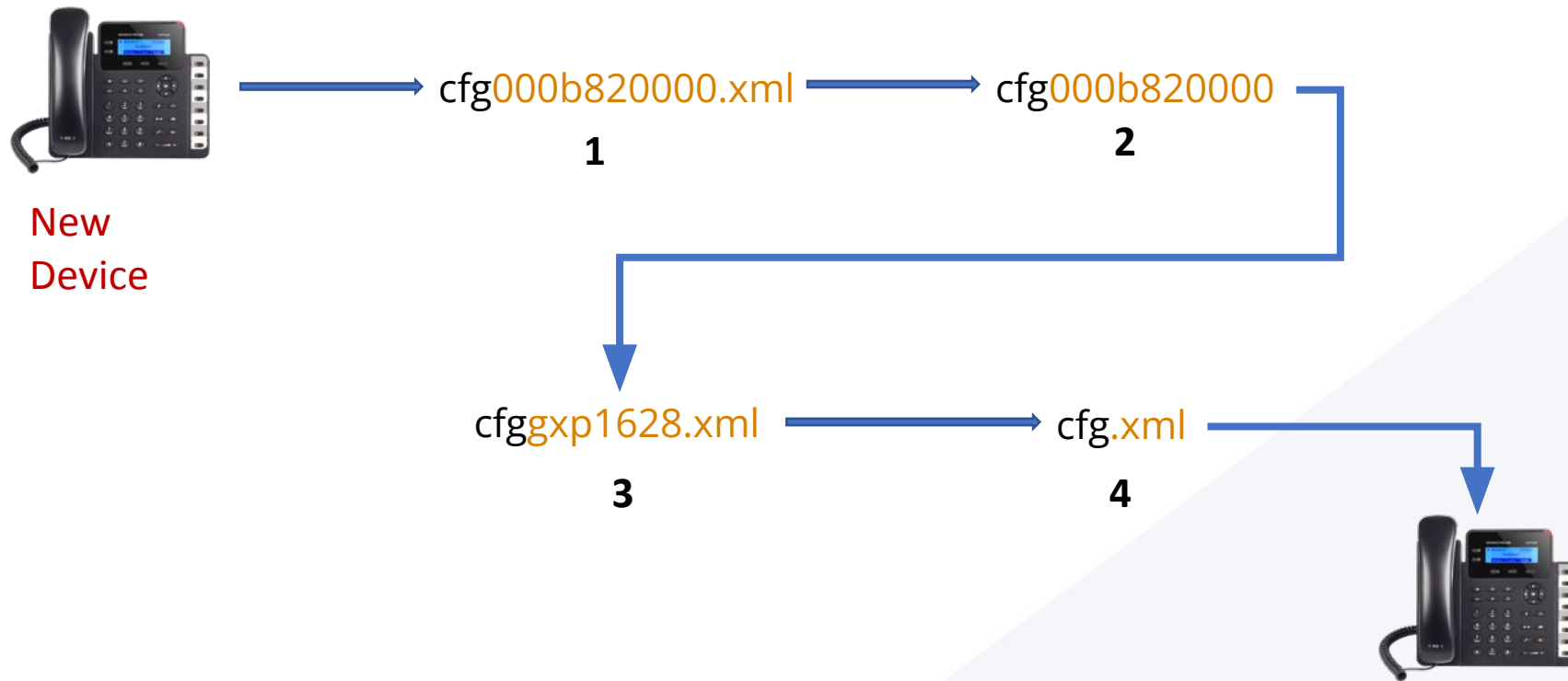


The image shows a screenshot of a text editor displaying an XML configuration file named 'grp261x\_config\_v2\_1.0.5.65.xml'. The editor window has a dark theme and shows the following XML content:

```
4941 <!-- # Provisioning Enable -->
4942
4943 <!-- # Firmware Upgrade Confirmation: No or Yes -->
4944 <item name="provisioning.firmware.confirm.enable">Yes</item>
4945
4946 <!-- Config Upgrade Via -->
4947 <!-- TFTP, HTTP, HTTPS -->
4948 <item name="provisioning.config.protocol">HTTPS</item>
4949 <!-- Config Server Path -->
4950 <item name="provisioning.config.serverPath">fm.grandstream.com/gs</item>
4951 <!-- Config Server User Name -->
4952 <item name="provisioning.config.username"></item>
4953 <!-- Config Server Password -->
4954 <item name="provisioning.config.password"></item>
4955 <!-- Config File Prefix -->
4956 <item name="provisioning.config.filePrefix"></item>
4957 <!-- Config File Postfix -->
4958 <item name="provisioning.config.filePostfix"></item>
```

The status bar at the bottom of the editor shows 'Line 4945, Column 5', 'Tab Size: 2', and 'XML'. The window title is 'grp261x\_config\_v2\_1.0.5.65.xml' and the text 'UNREGISTERED' is visible in the top right corner.

# Provisioning Flow



# Process Flows



1



## GAPS

Grandstream Automated Provisioning  
System

2



## GDMS

# Flexible Provisioning



## Redirection Services - GAPS

- ✓ “MOST” larger deployments already have their own provisioning servers
- ✓ Don’t like to host configurations externally - security
- ✓ Provides a no-touch way for our devices to be redirected
- ✓ API’s available for easy automation and integration

# Flexible Provisioning

## Full Management - GDMS



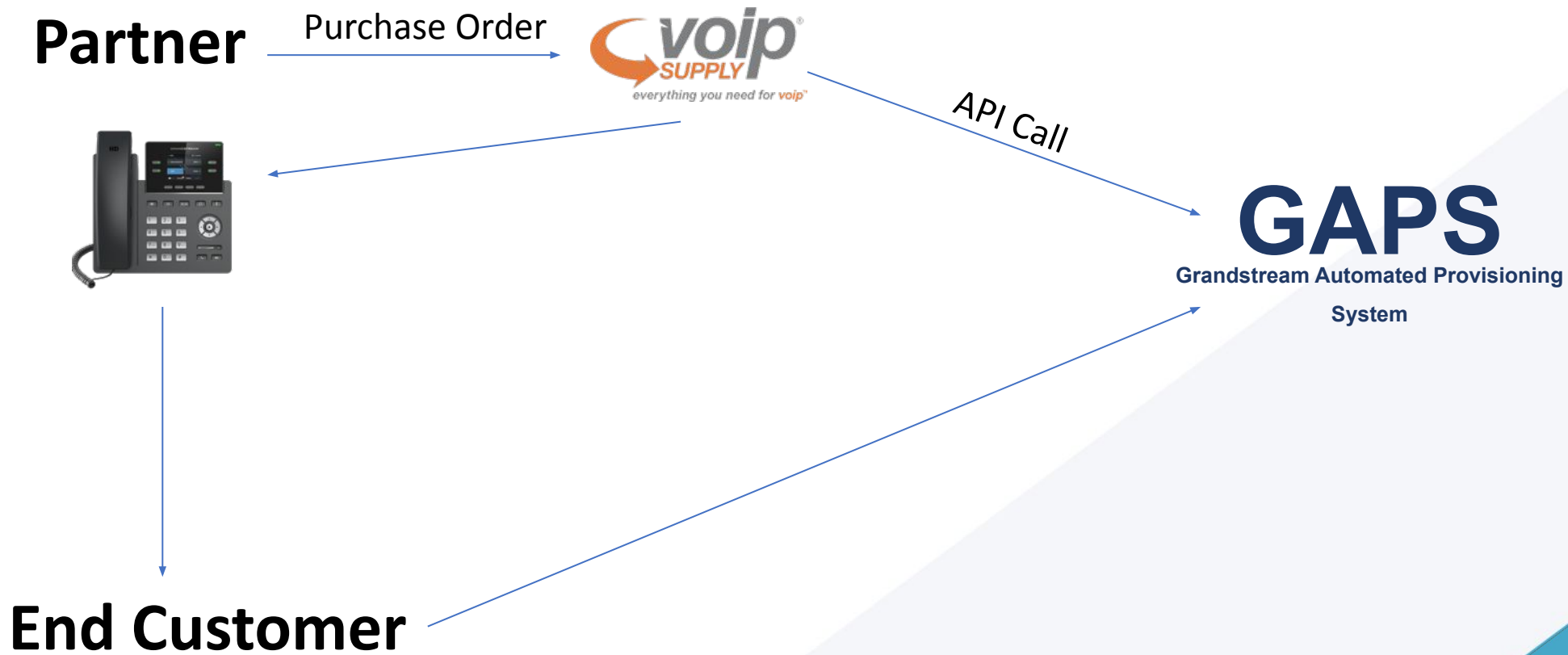
GDMS

- ✓ Full management ecosystem that includes provisioning, configuration, management, troubleshooting and monitoring
- ✓ Cloud based and on-prem options
- ✓ Cloud based options allow customers to save costs on maintenance
- ✓ Gives customers full control



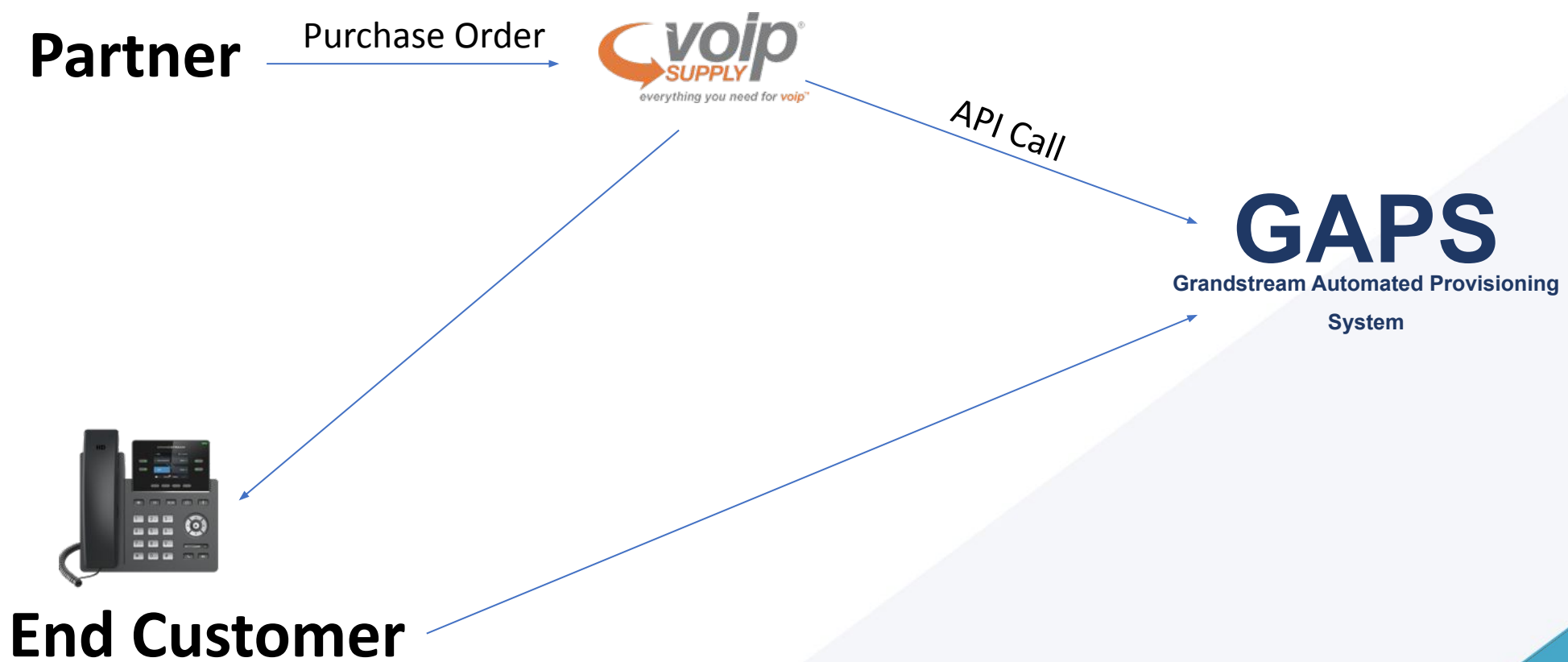
# Common Scenarios

## Customers with Existing Platforms



# Common Scenarios

## Complete 3PL Services



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## CONTACT INFORMATION



*Tom Uhteg*

*VoIP Supply*

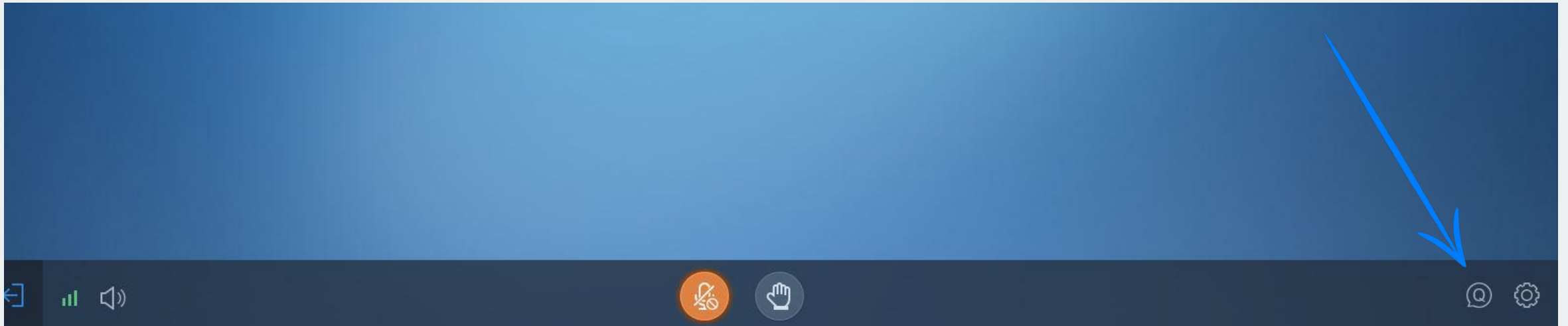
*Solutions Consultant*

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# Thank You



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