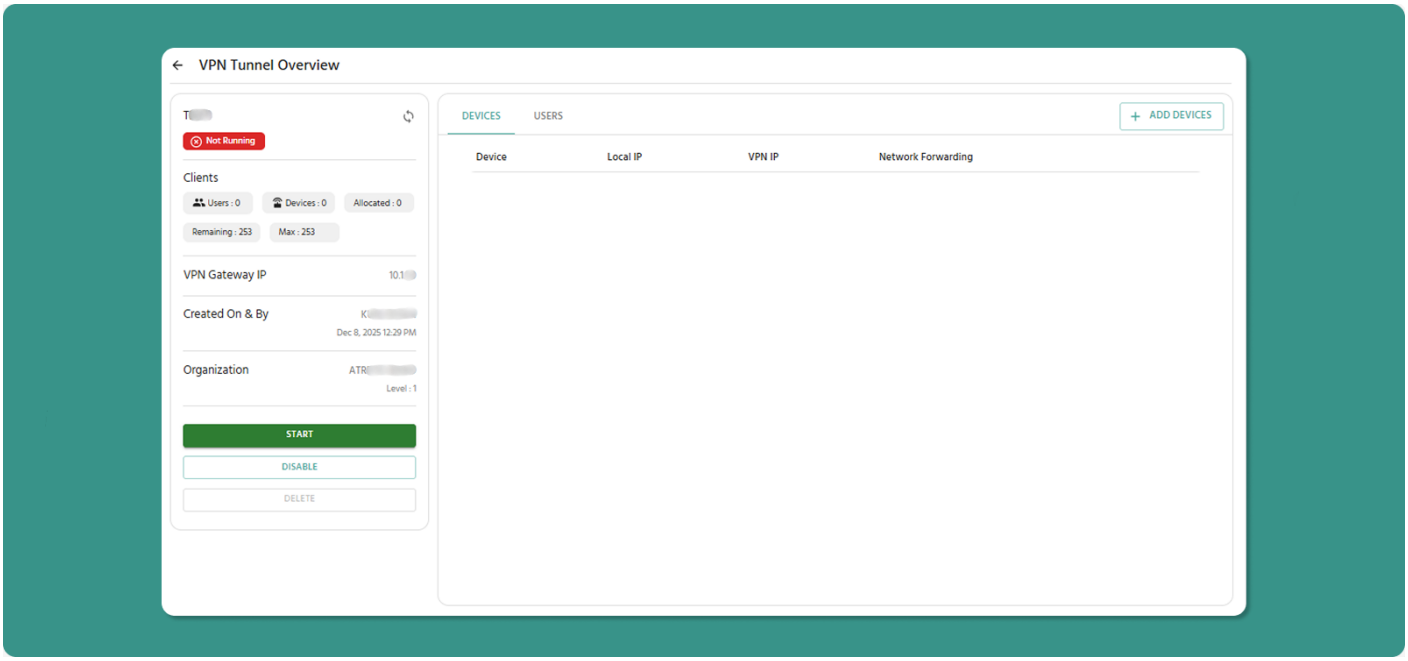
Manage and View VPN Tunnel Profiles

The Tunnel Overview page is your control center for managing an individual VPN tunnel, its process, and its connected clients.



Accessing Tunnel Overview

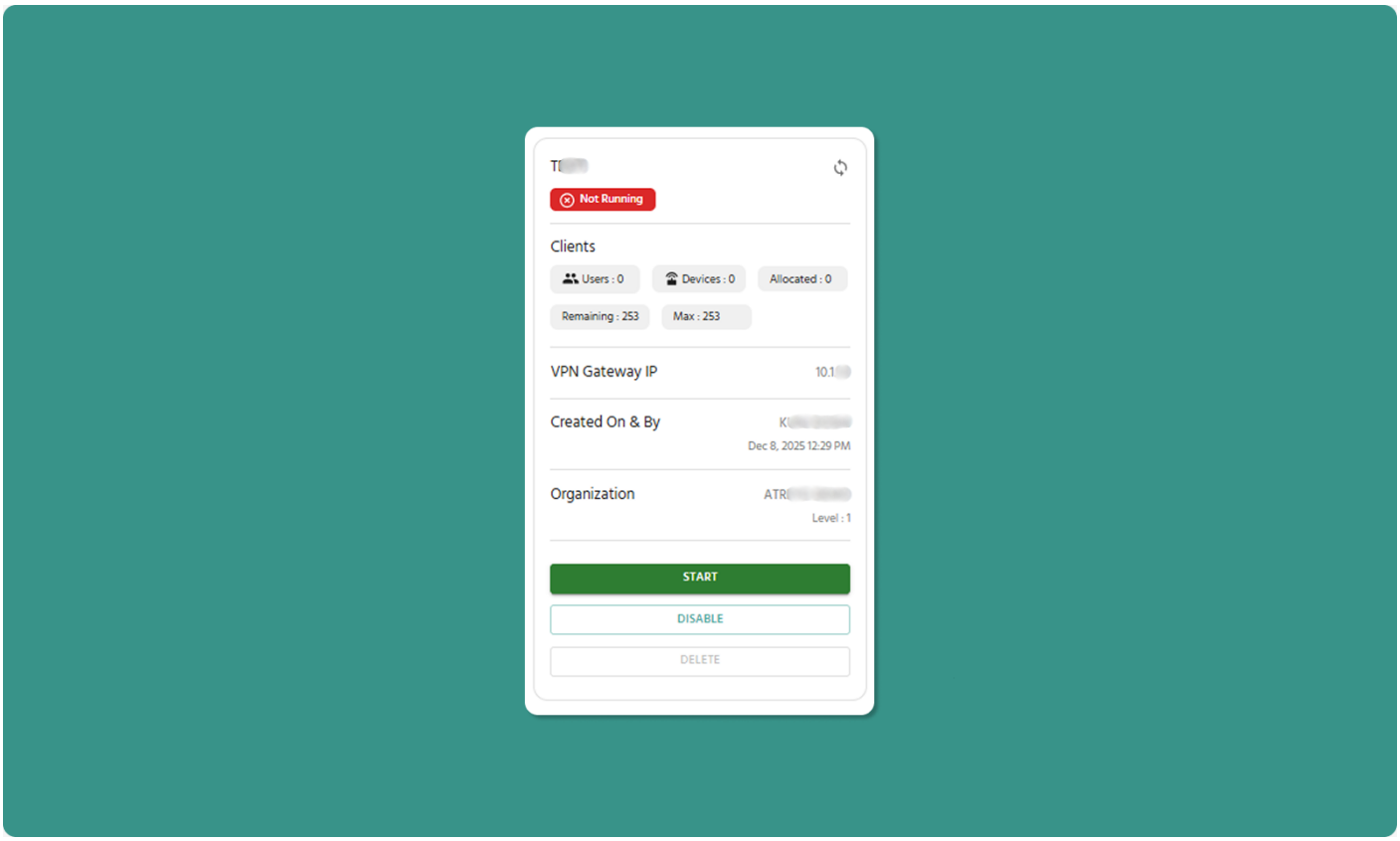
1. Navigate to VPN section
2. Locate tunnel in VPN Tunnel List
3. Click Tunnel Name (blue/underlined link)
4. Tunnel Overview page opens

Page Layout

Two-Panel Design:

Left Panel: Tunnel details, status, and management actions
Right Panel: Client management tabs (Devices and Users)

Left Panel: Tunnel Details & Actions



Core Status Information

Field	Description	Example
Name of Tunnel	Custom tunnel identifier	Production_Tunnel_01
Status of Process	Current VPN server state	Running, Not-Running (Exited)
VPN IP	Gateway IP address for tunnel	10.8.0.1

VPN IP Significance:

- All traffic for this tunnel routes through this IP
- First IP in tunnel's subnet
- Cannot be modified

Client Information

Field	Description	Limit
Number of Users	Total users allocated to tunnel	No specific limit (within Max)
Number of Devices	Total devices allocated to tunnel	No specific limit (within Max)
Allocated Clients	Sum of users + devices currently in tunnel	Max 253

Field	Description	Limit
Remaining Clients	Available slots for additional users/devices	253 - Allocated
Max	Absolute maximum clients supported	253 (fixed)

Example Calculation:

Users: 10

Devices: 5

Allocated Clients: 15

Remaining Clients: 253 - 15 = 238

Tunnel Metadata

Field	Information
Created By	Username who created tunnel + date/time
Organization	Org name and level where tunnel exists

Management Actions

Three action buttons control tunnel operation:

Start/Stop Button

Purpose: Manually control VPN tunnel process

When Process is **"Exited"**:

- Button shows: START
- Click to start VPN process
- Process changes to "Running"
- Users/devices can now connect

When Process is **"Running"**:

- Button shows: STOP
- Click to stop VPN process
- Process changes to "Exited"

- All connections immediately drop

⚠ Important: Stopping process disconnects all active users/devices immediately. Use during maintenance windows only.

□□ Use Case for Stopping: If you need to add/remove devices or users and process is running, you CAN do so. However, stopping first ensures clean state management.

Enable/Disable Button

Purpose: Control tunnel's manageability and activity

When Status is **"Enabled":**

- Button shows: DISABLE
- Click to disable tunnel
- Effect:
  - Tunnel Status → Disabled
  - Process automatically stops (→ Exited)
  - All connections drop
  - Cannot start process until re-enabled
  - Cannot add/remove users/devices until re-enabled

When Status is **"Disabled"**:

- Button shows: ENABLE
- Click to enable tunnel
- Effect:
  - Tunnel Status → Enabled
  - Process remains stopped (must manually start)
  - Can now manage users/devices
  - Can start process when ready

⚠ Critical Warning: If tunnel is Running and you click Disable:

1. Process automatically stops
2. All active connections immediately terminate
3. Users may lose work or# Atra RMS - User Guide

Delete Button

Purpose: Permanently remove tunnel from system

Important Restrictions:

⚠ Cannot delete Enabled tunnel

- Delete button is disabled (grayed out) when Tunnel Status = Enabled
- Must first click Disable button
- Then Delete button becomes active

Deletion Process:

1. Ensure tunnel is Disabled
2. Click DELETE button
3. Confirmation dialog appears
4. Click CONFIRM to permanently delete
5. Tunnel and all its configuration removed

What Gets Deleted:

- Tunnel configuration
- User/device associations
- Process state
- Historical connection logs (may be retained for audit)

What's NOT Affected:

- Devices remain in system (not deleted)
- Users remain in system (not deleted)
- Other tunnels unaffected

⚠ Deletion is Permanent: Cannot be undone. Must recreate the tunnel from scratch if needed again.

Refresh Button

Location: Top-right corner of Left Panel

Purpose: Manually update displayed information

When to Use:

- After starting/stopping process (verify state change)
- After adding/removing devices/users
- To check current connection status
- When expecting status change

□□ Note: Page auto-refreshes periodically, but manual refresh ensures immediate update.

Right Panel: Client Management Tabs

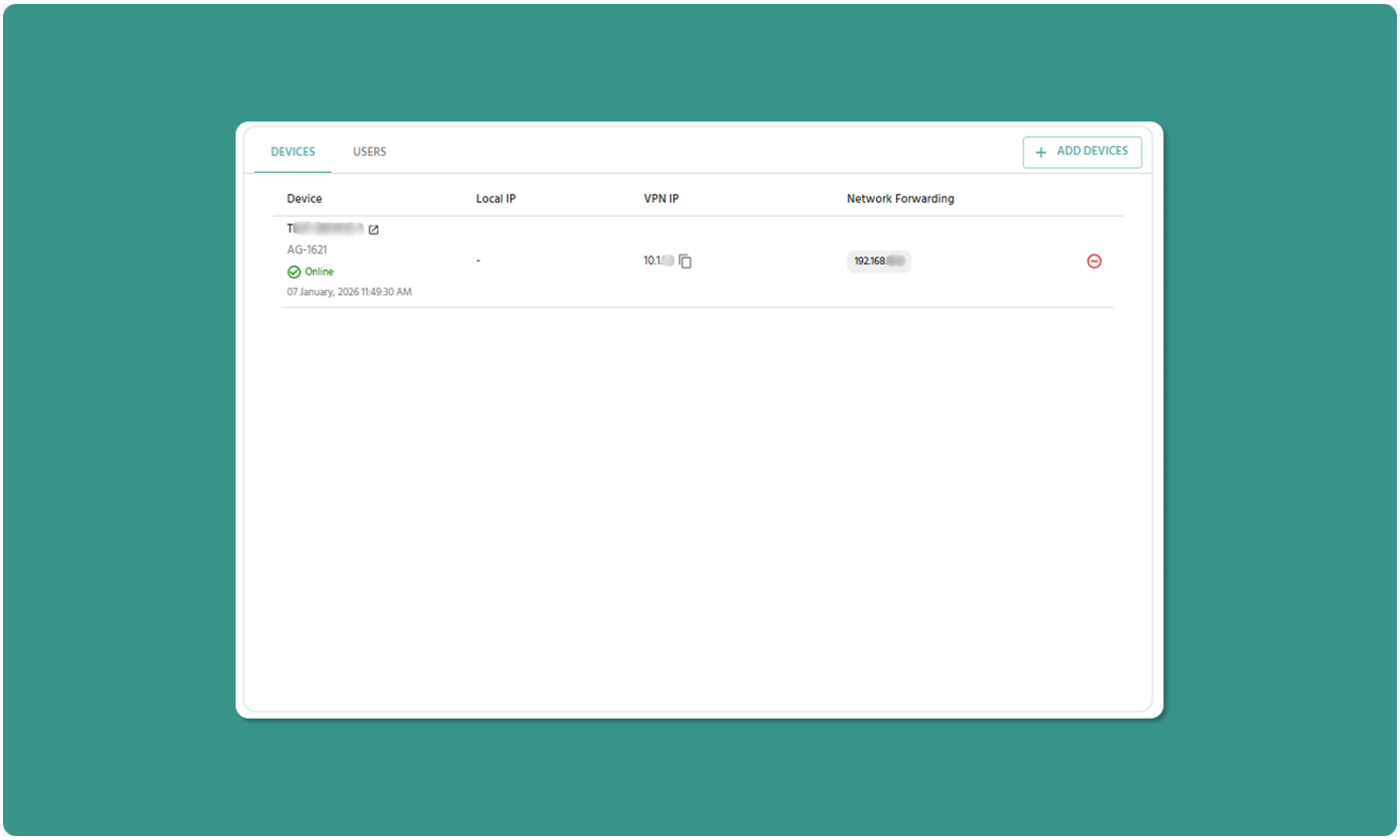
The right panel manages users and devices associated with the tunnel through two tabs.

Tab 1: Devices
Tab 2: Users

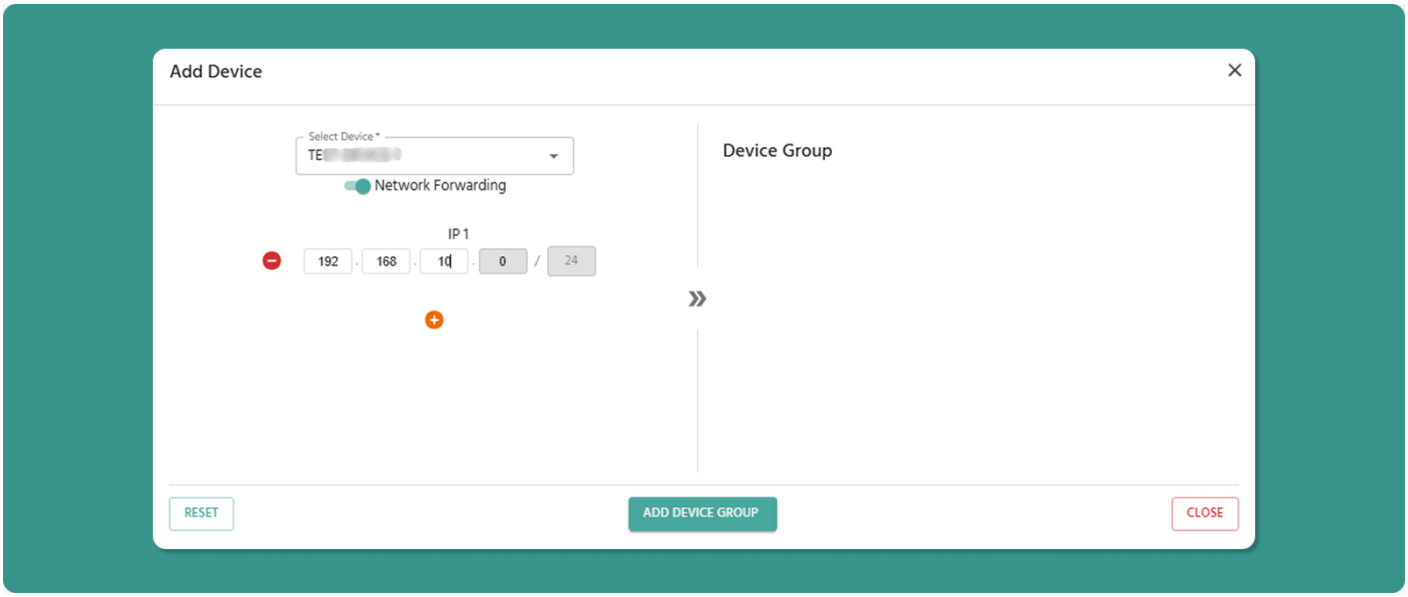
Both tabs have an **"Add"** button in the top-right corner of the tab header.

Tab 1: Devices

Displays all devices allocated to this VPN tunnel with their network configuration.



Adding Devices



To Add Devices:

1. Click **"Add Devices"** button
2. Device selection dialog opens
3. Select devices from list (checkbox for each)
4. Configure Network Forwarding for each device
5. Click Add to confirm

Available Devices:

- All devices from tunnel's organization
- Devices from child organizations

Limit Check: System prevents adding devices if it would exceed 253 total clients (users + devices).

Network Forwarding Setting

Critical Decision: For each device added, choose Network Forwarding state.

State	Effect	Use When
Enabled	VPN users can access the device AND other devices on its local network	Need to reach PLCs, sensors, or computers on device's LAN
Disabled	VPN users can ONLY access this specific device	Only need device itself, not its local network (security/isolation)

Example Scenarios:

Scenario 1: Factory with PLC Network

- Device: IIoT Gateway in factory
- Local Network: 10 PLCs on 192.168.10.x
- Network Forwarding: ENABLED
- Result: VPN users can connect to gateway AND all 10 PLCs

Scenario 2: Remote Sensor

- Device: Standalone temperature sensor gateway
- Local Network: None (device only)
- Network Forwarding: DISABLED
- Result: VPN users can only access sensor gateway itself

□□ Security Best Practice: Enable Network Forwarding only when necessary. Disabled provides better isolation and security.

Devices Table Columns

Column	Description	Details
Device	Device Name, Model, and Status	Status shows Online/Offline with timestamp
Local IP	Device's IP on its physical LAN/WAN	Example: 192.168.1.50
VPN IP	Unique IP assigned by tunnel	Example: 10.8.0.10
Network Forwarding	Access to device's local network	Enabled or Disabled (toggle switch)

Device Name Link

The Device Name is a clickable link.

Action: Click device name
Result: Opens Device Detail Page in new browser tab
Use Case: Quick access to device monitoring without leaving VPN page

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Local IP vs VPN IP

Local IP:

- IP address on device's physical network
- Example: 192.168.1.50 (factory LAN)

- Used for communication within local site
- Not accessible from internet

VPN IP:

- IP assigned when device added to tunnel
- Example: 10.8.0.10
- Unique within this tunnel
- Used for VPN communication
- How users connect to device through VPN

Connection Flow:

User's Computer (10.8.0.25)

↓ VPN Tunnel

VPN Gateway (10.8.0.1)

↓Device VPN IP (10.8.0.10)

↓ If Network Forwarding Enabled

Device's Local Network (192.168.1.x)

Network Forwarding Toggle

Enabled State:

- Toggle switch: ON (green)
- Effect: VPN users can access device AND its local network
- Routing: Traffic forwarded through device to local network
- Access: Can reach 192.168.1.x devices (if device is on that network)

Disabled State:

- Toggle switch: OFF (gray)
- Effect: VPN users can ONLY access this specific device
- Routing: No traffic forwarding to local network
- Access: Can only reach device's VPN IP (10.8.0.10)

Changing Setting:

1. Click toggle switch
2. State changes immediately (Enabled ↔ Disabled)
3. Effect applies to all connected users

⚠ Live Changes: You can toggle Network Forwarding while tunnel is running. Changes apply immediately without restarting the process.

Removing Devices

To Remove Device from Tunnel:

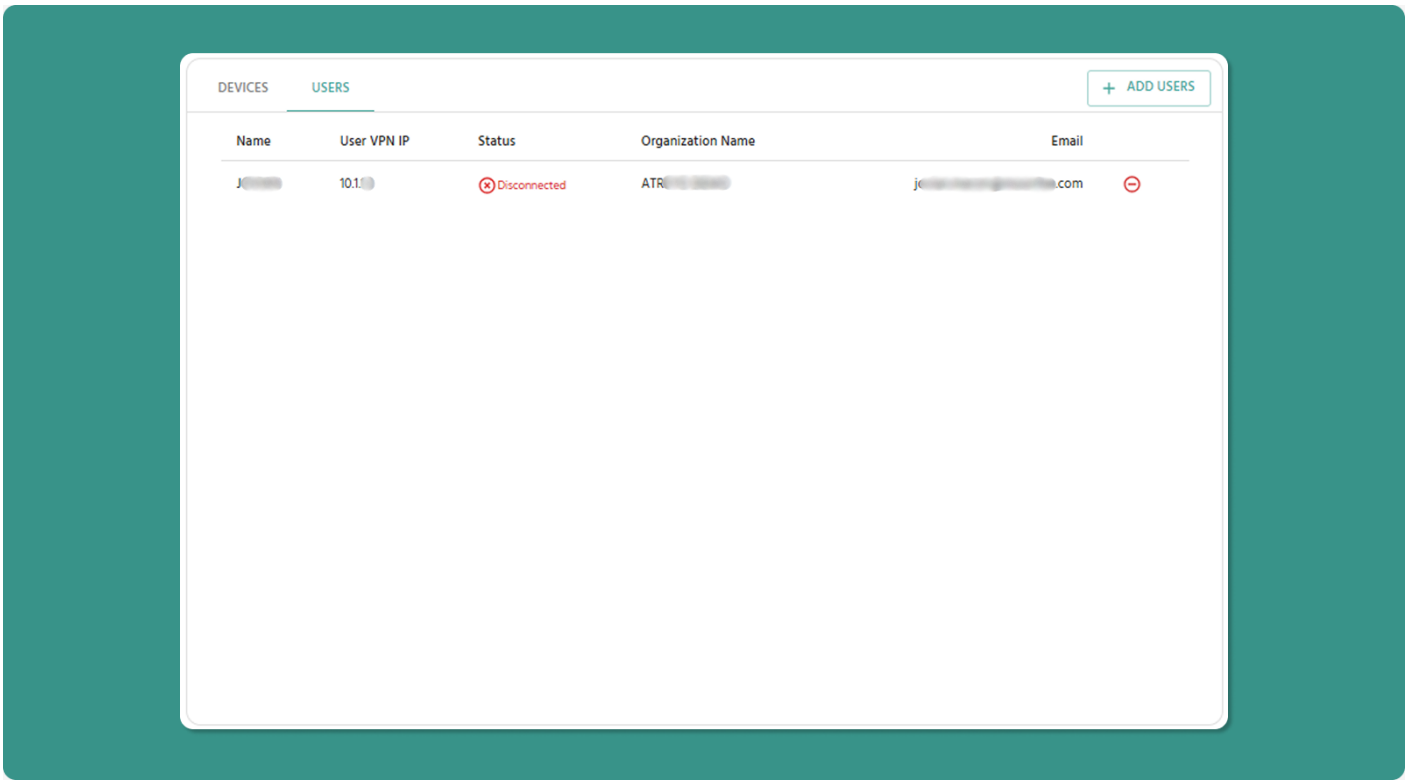
1. Locate device in table
2. Click Remove button (red, right side of row)
3. Confirmation dialog appears
4. Click CONFIRM to remove device
5. Device disappears from tunnel (but remains in system)

Effects:

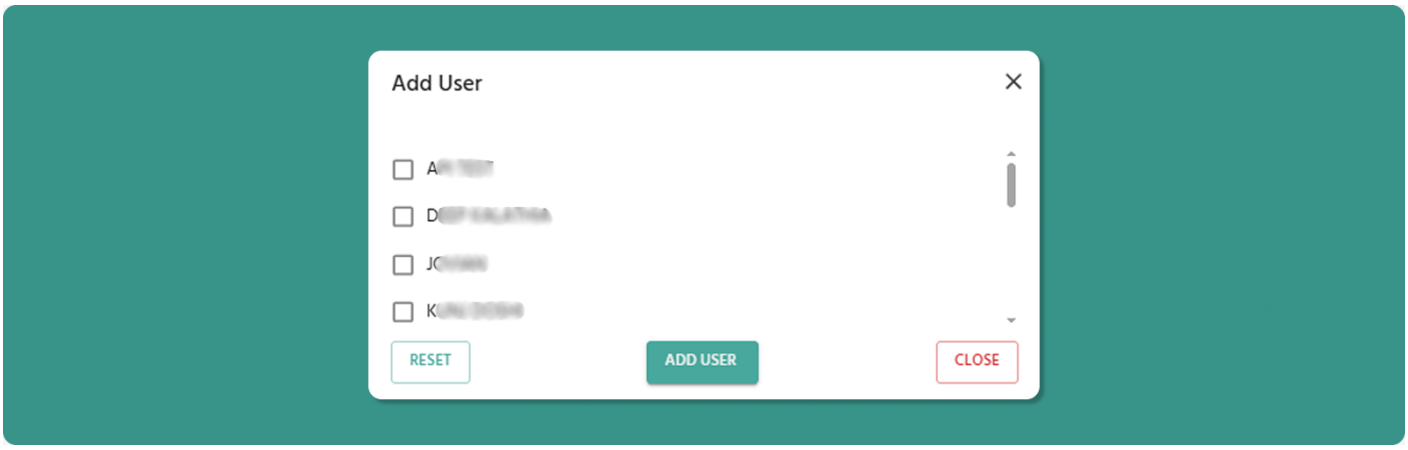
- Device's VPN IP deallocated
- Allocated Clients count decreases
- Remaining Clients increases
- Device can be re-added later with different VPN IP

Tab 2: Users

Displays all users allocated to this VPN tunnel.



Adding Users



To Add Users:

1. Click **"Add Users"** button
2. User selection dialog opens
3. Select users from list (checkbox for each)
4. Click **Add User** to confirm

Available Users:

- All users from selected organization
- Users from child organizations (if any)

Available Users:

- All users from tunnel's organization
- Users from child organizations

Limit Check: System prevents adding users if it would exceed 253 total clients (users + devices).

Users Table Columns

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Column	Description	Example
Name	User's full name	Jane Doe, Rajesh Kumar
User VPN IP	Unique IP assigned to user	10.8.0.25
Status	Shows whether the user is connected to the tunnel in the ATRA VPN client.	Connected/Disconnected

Column	Description	Example
Organization Name	User's organization	ATREYO Level-1
Email	User's login email	jane.doe@company.com

User VPN IP Assignment

How It Works:

- Each user gets unique VPN IP when added to tunnel
- IP automatically assigned from tunnel's subnet
- Format: 10.8.0.x (where x = 2-254)
- IP remains consistent until user removed

Usage:

- User's VPN Desktop Application connects using this IP
- Other users/devices can reach this user via this IP
- Used for logging and access control

Removing Users

To Remove User from Tunnel:

1. Locate user in table
2. Click Remove button (red, right side of row)
3. Confirmation dialog appears
4. Click CONFIRM to remove user
5. User disappears from tunnel (but remains in system)

Effects:

- User's VPN IP deallocated
- Allocated Clients count decreases
- Remaining Clients increases
- User's VPN client disconnects (if currently connected)
- User cannot reconnect to this tunnel
- User can be re-added later with different VPN IP

⚠ Active Connections: Removing user while they're connected immediately terminates their VPN session. Warn users before removal.

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