VPN Tunnel Workflow Examples

Example 1: Creating Production Tunnel

Scenario: Factory needs VPN access to 5 gateways and 10 users

Steps:

1. Navigate to VPN → Click CREATE
2. Name: "Factory_Production_VPN"
3. Organization: "Manufacturing Plant A"
4. Add 5 devices:

- Gateway_A (Network Forwarding: ENABLED - has PLCs on LAN)
- Gateway_B (Network Forwarding: ENABLED - has sensors on LAN)
- Gateway_C (Network Forwarding: DISABLED - standalone)
- Gateway_D (Network Forwarding: ENABLED - has HMI on LAN)
- Gateway_E (Network Forwarding: DISABLED - standalone)
- Add 10 users (engineers and managers)
- Click CREATE
- Navigate to Tunnel Overview page
- Click START button (process begins running)
- Notify users to download VPN client and connect

Result: 15 allocated clients (5 devices + 10 users), 238 remaining slots

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Example 2: Maintenance Procedure

Scenario: Need to add 2 new devices during maintenance window

Steps:

1. Navigate to tunnel Overview page
2. Click STOP button (stop process cleanly)

3. Wait for "Not-Running" status
4. Go to Devices tab
5. Click Add button
6. Select 2 new devices
7. Configure Network Forwarding
8. Click ADD
9. Verify devices appear in table
10. Click START button (restart process)
11. Test connections with VPN client

Result: Clean device addition without disrupting other connections

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Example 3: Emergency Disable

Scenario: Security incident requires immediate VPN shutdown

Steps:

1. Navigate to tunnel Overview page
2. Click DISABLE button
3. Confirm action
4. Immediate Effect:

- Tunnel Status → Disabled
- Process → Exited
- All users disconnected
- No new connections possible
- Investigate security issue
- When resolved:

- Click ENABLE button
- Click START button
- Notify users to reconnect

Result: Complete VPN access shutdown in seconds

---⚠ 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 experience disruption
4. Use only during maintenance windows or emergencies

Common Use Cases:

- Temporary Suspension: Disable tunnel during security incident
- Maintenance: Disable before major configuration changes
- Preparation for Deletion: Must disable before deleting tunnel

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