

Pi5 Supernode System Components

Brief

Overview

This document provides a comprehensive catalog of every UI component in the Pi5 Supernode system, including information cards, buttons, dropdown menus, and popup windows with their specific locations, purposes, and functionality.

Tab Structure & Components

1. Dashboard Tab

Location: Main Navigation > Dashboard

Header Section

- **Tab:** Dashboard **Card:** Page Header **Purpose:** Primary navigation and title display **Content:** "Network Dashboard" title with real-time overview subtitle **Location:** Top section
- **Tab:** Dashboard **Card:** Discover Devices Button **Purpose:** Trigger network device discovery **Content:** "Discover Devices" with refresh icon **Location:** Top-right header
- **Tab:** Dashboard **Card:** Quick Setup Button **Purpose:** Launch quick configuration wizard **Content:** "Quick Setup" with plus icon **Location:** Top-right header
- **Tab:** Dashboard **Card:** Live Status Indicator **Purpose:** Show real-time connection status **Content:** Animated dot with "Live/Offline" text **Location:** Header subtitle area

Metrics Cards Row

- **Tab:** Dashboard **Card:** Active Devices Metric **Purpose:** Display count of currently online devices **Content:** Number value with trend indicator and total devices subtitle **Location:** Top metrics row, position 1
- **Tab:** Dashboard **Card:** VPN Connections Metric **Purpose:** Show active VPN client connections **Content:** Connected clients count with active servers subtitle **Location:** Top metrics row, position 2
- **Tab:** Dashboard **Card:** CPU Usage Metric **Purpose:** Real-time system CPU utilization **Content:** Percentage value with performance subtitle **Location:** Top metrics row, position 3
- **Tab:** Dashboard **Card:** System Health Metric **Purpose:** Overall system status indicator **Content:** Status text (HEALTHY/WARNING/CRITICAL) **Location:** Top metrics row, position 4

Performance Cards

- **Tab:** Dashboard **Card:** System Performance Card **Purpose:** Live system metrics visualization **Content:** CPU, Memory, Temperature, Network I/O with progress bars **Location:** Middle section, left column
- **Tab:** Dashboard **Card:** Network Traffic Card **Purpose:** Real-time network usage monitoring **Content:** Upload/download speeds with progress bars and latency/packet loss stats **Location:** Middle section, right column

Status Cards

- **Tab:** Dashboard **Card:** System Status Card **Purpose:** Hardware health monitoring **Content:** CPU temperature, memory usage, network latency, packet loss **Location:** Bottom section, position 1
- **Tab:** Dashboard **Card:** VPN Status Card **Purpose:** VPN service overview **Content:** Active servers, connected clients, total traffic, average latency **Location:** Bottom section, position 2
- **Tab:** Dashboard **Card:** Network Overview Card **Purpose:** Network topology summary **Content:** Device types, network segments, traffic patterns **Location:** Bottom section, position 3

Data Tables

- **Tab:** Dashboard **Card:** Recent Devices Table **Purpose:** Show last 5 discovered devices **Content:** Device name, IP address, type, last seen with status indicators **Location:** Bottom section full width

2. Devices Tab

Location: Main Navigation > Devices

Header Section

- **Tab:** Devices **Card:** Page Header **Purpose:** Device management title and description **Content:** "Device Management" with monitoring subtitle **Location:** Top section
- **Tab:** Devices **Card:** Discover Devices Button **Purpose:** Launch network discovery scan **Content:** "Discover Devices" with loading state **Location:** Top-right header
- **Tab:** Devices **Card:** Add Device Button **Purpose:** Open manual device addition modal **Content:** "Add Device" with plus icon **Location:** Top-right header

Metrics Cards Row

- **Tab:** Devices **Card:** Total Devices Metric **Purpose:** Show all discovered devices count **Content:** Total count with "discovered devices" subtitle **Location:** Top metrics row, position 1
- **Tab:** Devices **Card:** Active Devices Metric **Purpose:** Display currently online devices **Content:** Active count with percentage online subtitle **Location:** Top metrics row, position 2
- **Tab:** Devices **Card:** Inactive Devices Metric **Purpose:** Show offline device count **Content:** Inactive count with "offline devices" subtitle **Location:** Top metrics row, position 3
- **Tab:** Devices **Card:** Total Traffic Metric **Purpose:** Combined bandwidth usage **Content:** Traffic rate with "combined bandwidth" subtitle **Location:** Top metrics row, position 4

Control Panel

- **Tab:** Devices **Card:** Search Input **Purpose:** Filter devices by text search **Content:** Search field with magnifying glass icon **Location:** Control panel, left side
- **Tab:** Devices **Card:** Filter Dropdown **Purpose:** Filter devices by status **Content:** "All Devices", "Active Only", "Inactive Only" options **Location:** Control panel, right side

Device Table

- **Tab:** Devices **Card:** Device List Table **Purpose:** Comprehensive device inventory **Content:** Device name, MAC address, IP address, type, last seen, status with action buttons **Location:** Main content area
- **Tab:** Devices **Card:** Wake Button **Purpose:** Send Wake-on-LAN to device **Content:** "Wake" action button **Location:** Table row actions
- **Tab:** Devices **Card:** Edit Button **Purpose:** Modify device properties **Content:** "Edit" action button **Location:** Table row actions
- **Tab:** Devices **Card:** Block Button **Purpose:** Block device network access **Content:** "Block" action button **Location:** Table row actions
- **Tab:** Devices **Card:** Delete Button **Purpose:** Remove device from inventory **Content:** "Delete" action button **Location:** Table row actions

Modals

- **Tab:** Devices **Card:** Add Device Modal **Purpose:** Manual device registration form **Content:** Device name, type, MAC address, IP address input fields **Location:** Modal popup
- **Tab:** Devices **Card:** Edit Device Modal **Purpose:** Modify existing device information **Content:** Pre-filled form with device properties **Location:** Modal popup

3. Network Tab

Location: Main Navigation > Network

Header Section

- **Tab:** Network **Card:** Page Header **Purpose:** Network configuration title **Content:** "Network Configuration" with DNS/DHCP/WiFi/VLAN subtitle **Location:** Top section

Metrics Cards Row

- **Tab:** Network **Card:** DNS Servers Metric **Purpose:** Count of configured DNS servers **Content:** Server count with active servers subtitle **Location:** Top metrics row, position 1
- **Tab:** Network **Card:** Traffic Rules Metric **Purpose:** Network filtering rules count **Content:** Rules count with enabled rules subtitle **Location:** Top metrics row, position 2
- **Tab:** Network **Card:** WiFi Networks Metric **Purpose:** Wireless network count **Content:** Network count with broadcasting status **Location:** Top metrics row, position 3
- **Tab:** Network **Card:** VLAN Count Metric **Purpose:** Network segmentation overview **Content:** VLAN count with "network segments" subtitle **Location:** Top metrics row, position 4

Tab Navigation

- **Tab:** Network **Card:** DNS Tab **Purpose:** DNS server configuration **Content:** Tab button with globe icon **Location:** Tab navigation bar
- **Tab:** Network **Card:** DHCP Tab **Purpose:** DHCP pool management **Content:** Tab button with router icon **Location:** Tab navigation bar
- **Tab:** Network **Card:** WiFi Tab **Purpose:** Wireless network settings **Content:** Tab button with WiFi icon **Location:** Tab navigation bar
- **Tab:** Network **Card:** VLAN Tab **Purpose:** Virtual LAN configuration **Content:** Tab button with layers icon **Location:** Tab navigation bar
- **Tab:** Network **Card:** Traffic Rules Tab **Purpose:** Network filtering rules **Content:** Tab button with shield icon **Location:** Tab navigation bar

DNS Configuration Panel

- **Tab:** Network **Card:** DNS Servers Table **Purpose:** Manage DNS server configurations **Content:** Server name, IP address, port, type, status with edit/delete actions **Location:** DNS tab content
- **Tab:** Network **Card:** Add DNS Server Button **Purpose:** Create new DNS server entry **Content:** "Add DNS Server" with plus icon **Location:** DNS tab header
- **Tab:** Network **Card:** DNS Server Modal **Purpose:** DNS server configuration form **Content:** Name, IP address, port, type, primary/active settings **Location:** Modal popup

Traffic Rules Panel

- **Tab:** Network **Card:** Traffic Rules Table **Purpose:** Network filtering rule management **Content:** Rule name, priority, conditions, actions, status **Location:** Traffic rules tab
- **Tab:** Network **Card:** Validate Rules Button **Purpose:** Check rule configuration validity **Content:** "Validate Rules" with shield icon **Location:** Traffic rules header
- **Tab:** Network **Card:** Apply Changes Button **Purpose:** Activate pending rule changes **Content:** "Apply Changes" with refresh icon **Location:** Traffic rules header
- **Tab:** Network **Card:** Create Rule Button **Purpose:** Add new traffic filtering rule **Content:** "Create Rule" with plus icon **Location:** Traffic rules header
- **Tab:** Network **Card:** Rule Toggle Button **Purpose:** Enable/disable individual rules **Content:** "Toggle" action button **Location:** Table row actions
- **Tab:** Network **Card:** Rule Edit Button **Purpose:** Modify existing rule **Content:** "Edit" action button **Location:** Table row actions
- **Tab:** Network **Card:** Rule Delete Button **Purpose:** Remove traffic rule **Content:** "Delete" action button **Location:** Table row actions

Modals

- **Tab:** Network **Card:** Create Rule Modal **Purpose:** Traffic rule configuration form **Content:** Name, description, priority, conditions, actions settings **Location:** Modal popup

4. VPN Tab

Location: Main Navigation > VPN

Header Section

- **Tab:** VPN **Card:** Page Header **Purpose:** VPN management title **Content:** "VPN Management" with WireGuard subtitle **Location:** Top section
- **Tab:** VPN **Card:** Sync Servers Button **Purpose:** Synchronize WireGuard configurations **Content:** "Sync Servers" with refresh icon **Location:** Top-right header
- **Tab:** VPN **Card:** Add Server Button **Purpose:** Create new VPN server instance **Content:** "Add Server" with server icon **Location:** Top-right header
- **Tab:** VPN **Card:** Add Client Button **Purpose:** Generate new client configuration **Content:** "Add Client" with plus icon **Location:** Top-right header

Metrics Cards Row

- **Tab:** VPN **Card:** Active Servers Metric **Purpose:** Running VPN servers count **Content:** Server count with total servers subtitle **Location:** Top metrics row, position 1
- **Tab:** VPN **Card:** Connected Clients Metric **Purpose:** Active client connections **Content:** Connected count with total clients subtitle **Location:** Top metrics row, position 2
- **Tab:** VPN **Card:** Total Traffic Metric **Purpose:** Combined VPN data transfer **Content:** Traffic amount with "combined data transfer" subtitle **Location:** Top metrics row, position 3
- **Tab:** VPN **Card:** Tunnel Health Metric **Purpose:** Connection reliability indicator **Content:** Percentage with "connection reliability" subtitle **Location:** Top metrics row, position 4

Server Management

- **Tab:** VPN **Card:** WireGuard Servers Table **Purpose:** VPN server instance management **Content:** Server name, network, port, clients, status with toggle/configure/delete actions **Location:** Middle section
- **Tab:** VPN **Card:** Server Toggle Button **Purpose:** Start/stop VPN server **Content:** "Toggle" action button **Location:** Server table actions
- **Tab:** VPN **Card:** Server Configure Button **Purpose:** Edit server configuration **Content:** "Configure" action button **Location:** Server table actions
- **Tab:** VPN **Card:** Server Delete Button **Purpose:** Remove VPN server **Content:** "Delete" action button **Location:** Server table actions

Client Management

- **Tab:** VPN **Card:** WireGuard Clients Table **Purpose:** Client configuration management **Content:** Client name, server, download/upload, status with download/QR/delete actions **Location:** Bottom section
- **Tab:** VPN **Card:** Download Config Button **Purpose:** Download client configuration file **Content:** "Download" action button **Location:** Client table actions
- **Tab:** VPN **Card:** QR Code Button **Purpose:** Generate QR code for mobile import **Content:** "QR Code" action button **Location:** Client table actions
- **Tab:** VPN **Card:** Client Delete Button **Purpose:** Remove client configuration **Content:** "Delete" action button **Location:** Client table actions

Modals

- **Tab:** VPN **Card:** Create Server Modal **Purpose:** VPN server configuration form **Content:** Server name, listen port, network CIDR, max clients settings **Location:** Modal popup
- **Tab:** VPN **Card:** Create Client Modal **Purpose:** Client configuration form **Content:** Client name, server selection, allowed IPs settings **Location:** Modal popup

- **Tab:** VPN **Card:** Configuration Modal **Purpose:** Display client configuration text **Content:** WireGuard configuration with copy functionality **Location:** Modal popup
- **Tab:** VPN **Card:** QR Code Modal **Purpose:** Visual QR code display **Content:** QR code image with configuration details **Location:** Modal popup

5. Automations Tab

Location: Main Navigation > Automations

Header Section

- **Tab:** Automations **Card:** Page Header **Purpose:** Automation system title **Content:** "Automation Rules" with rule engine subtitle **Location:** Top section
- **Tab:** Automations **Card:** Refresh Button **Purpose:** Reload automation data **Content:** "Refresh" with refresh icon **Location:** Top-right header
- **Tab:** Automations **Card:** Create Rule Button **Purpose:** Add new automation rule **Content:** "Create Rule" with plus icon **Location:** Top-right header

Metrics Cards Row

- **Tab:** Automations **Card:** Total Rules Metric **Purpose:** All automation rules count **Content:** Rules count with "automation rules" subtitle **Location:** Top metrics row, position 1
- **Tab:** Automations **Card:** Active Rules Metric **Purpose:** Currently enabled rules **Content:** Active count with disabled count subtitle **Location:** Top metrics row, position 2
- **Tab:** Automations **Card:** Total Executions Metric **Purpose:** Historical execution count **Content:** Execution count with "all time" subtitle **Location:** Top metrics row, position 3
- **Tab:** Automations **Card:** Recent Activity Metric **Purpose:** Recent executions indicator **Content:** Activity count with "last 24 hours" subtitle **Location:** Top metrics row, position 4

Integration Settings

- **Tab:** Automations **Card:** Telegram Bot Settings **Purpose:** Configure Telegram notifications **Content:** Bot token, chat ID fields with test button **Location:** Middle section, left column
- **Tab:** Automations **Card:** Telegram Test Button **Purpose:** Send test message to Telegram **Content:** Send icon button **Location:** Telegram settings card
- **Tab:** Automations **Card:** Webhook Testing **Purpose:** Test webhook endpoints **Content:** URL field with test button and format example **Location:** Middle section, right column
- **Tab:** Automations **Card:** Webhook Test Button **Purpose:** Send test webhook request **Content:** Send icon button **Location:** Webhook settings card

Rules Management

- **Tab:** Automations **Card:** Automation Rules Table **Purpose:** Rule configuration management **Content:** Rule name, trigger type, actions, executions, status **Location:** Bottom section
- **Tab:** Automations **Card:** Execute Rule Button **Purpose:** Manually trigger rule execution **Content:** "Execute" action button with play icon **Location:** Table row actions
- **Tab:** Automations **Card:** Rule Toggle Button **Purpose:** Enable/disable rule **Content:** "Enable/Disable" action button **Location:** Table row actions
- **Tab:** Automations **Card:** Rule Delete Button **Purpose:** Remove automation rule **Content:** "Delete" action button with trash icon **Location:** Table row actions

Modals

- **Tab:** Automations **Card:** Create Rule Modal **Purpose:** Automation rule configuration form **Content:** Name, description, trigger type, conditions, actions settings **Location:** Modal popup

6. Observability Tab

Location: Main Navigation > Observability

Header Section

- **Tab:** Observability **Card:** Page Header **Purpose:** Monitoring dashboard title **Content:** "Observability Dashboard" with monitoring subtitle **Location:** Top section
- **Tab:** Observability **Card:** Live Data Indicator **Purpose:** Real-time connection status **Content:** Animated dot with "Live Data/Disconnected" text **Location:** Header subtitle area
- **Tab:** Observability **Card:** Time Range Selector **Purpose:** Historical data time window **Content:** "Last Hour", "Last 6 Hours", "Last 24 Hours", "Last 7 Days" dropdown **Location:** Top-right header
- **Tab:** Observability **Card:** Refresh Button **Purpose:** Reload monitoring data **Content:** "Refresh" with refresh icon **Location:** Top-right header
- **Tab:** Observability **Card:** Open Grafana Button **Purpose:** Launch external Grafana dashboard **Content:** "Open Grafana" with external link icon **Location:** Top-right header

Key Metrics

- **Tab:** Observability **Card:** System Health Metric **Purpose:** Overall system status **Content:** Status value with overall status subtitle **Location:** Top metrics row, position 1
- **Tab:** Observability **Card:** Active Alerts Metric **Purpose:** Current alert count **Content:** Alert count with critical/warning breakdown **Location:** Top metrics row, position 2
- **Tab:** Observability **Card:** Uptime Metric **Purpose:** System availability percentage **Content:** Uptime percentage with "last 30 days" subtitle **Location:** Top metrics row, position 3
- **Tab:** Observability **Card:** Average Response Metric **Purpose:** Network latency indicator **Content:** Response time with "network latency" subtitle **Location:** Top metrics row, position 4

Chart Areas

- **Tab:** Observability **Card:** System Performance Chart **Purpose:** CPU, memory, temperature visualization **Content:** Chart placeholder with trending up icon **Location:** Middle section, left column
- **Tab:** Observability **Card:** Network Traffic Chart **Purpose:** Upload/download bandwidth visualization **Content:** Chart placeholder with WiFi icon **Location:** Middle section, right column

Status Displays

- **Tab:** Observability **Card:** Device Status Display **Purpose:** Device online/offline distribution **Content:** Chart placeholder with pie chart representation **Location:** Bottom section, position 1
- **Tab:** Observability **Card:** Service Health Display **Purpose:** Service status overview **Content:** Service status indicators **Location:** Bottom section, position 2
- **Tab:** Observability **Card:** Alert History Display **Purpose:** Recent alerts timeline **Content:** Alert list with acknowledge/dismiss buttons **Location:** Bottom section, position 3

7. Storage Tab

Location: Main Navigation > Storage

Header Section

- **Tab:** Storage **Card:** Page Header **Purpose:** Storage management title **Content:** "Storage Management" with NAS and sharing subtitle **Location:** Top section
- **Tab:** Storage **Card:** Refresh Button **Purpose:** Reload storage data **Content:** "Refresh" with refresh icon **Location:** Top-right header
- **Tab:** Storage **Card:** Add Device Button **Purpose:** Register new storage device **Content:** "Add Device" with plus icon **Location:** Top-right header
- **Tab:** Storage **Card:** Create Share Button **Purpose:** Setup new network share **Content:** "Create Share" with plus icon **Location:** Top-right header

Metrics Cards Row

- **Tab:** Storage **Card:** Total Devices Metric **Purpose:** Storage device count **Content:** Device count with mounted devices subtitle **Location:** Top metrics row, position 1
- **Tab:** Storage **Card:** Total Capacity Metric **Purpose:** Combined storage space **Content:** Capacity amount with used/available breakdown **Location:** Top metrics row, position 2
- **Tab:** Storage **Card:** Active Shares Metric **Purpose:** Network shares count **Content:** Share count with protocol breakdown **Location:** Top metrics row, position 3
- **Tab:** Storage **Card:** Storage Health Metric **Purpose:** Device health status **Content:** Health status with warning indicators **Location:** Top metrics row, position 4

Tab Navigation

- **Tab:** Storage **Card:** Devices Tab **Purpose:** Storage device management **Content:** Tab button with hard drive icon **Location:** Tab navigation bar
- **Tab:** Storage **Card:** Shares Tab **Purpose:** Network share configuration **Content:** Tab button with share icon **Location:** Tab navigation bar
- **Tab:** Storage **Card:** Performance Tab **Purpose:** Storage performance metrics **Content:** Tab button with bar chart icon **Location:** Tab navigation bar

Device Management

- **Tab:** Storage **Card:** Storage Devices Table **Purpose:** Physical storage management **Content:** Device name, capacity, file system, status with mount/unmount/delete actions **Location:** Devices tab content
- **Tab:** Storage **Card:** Mount Toggle Button **Purpose:** Mount/unmount storage device **Content:** "Mount/Unmount" action button **Location:** Device table actions
- **Tab:** Storage **Card:** Device Configure Button **Purpose:** Configure device settings **Content:** "Configure" action button **Location:** Device table actions

- **Tab:** Storage **Card:** Device Delete Button **Purpose:** Remove device from system
Content: "Delete" action button **Location:** Device table actions

Share Management

- **Tab:** Storage **Card:** Network Shares Table **Purpose:** Network sharing configuration **Content:** Share name, protocol, permissions, status with toggle/edit/delete actions **Location:** Shares tab content
- **Tab:** Storage **Card:** Share Toggle Button **Purpose:** Enable/disable network share
Content: "Toggle" action button **Location:** Share table actions
- **Tab:** Storage **Card:** Share Edit Button **Purpose:** Modify share configuration
Content: "Edit" action button **Location:** Share table actions
- **Tab:** Storage **Card:** Share Delete Button **Purpose:** Remove network share
Content: "Delete" action button **Location:** Share table actions

Modals

- **Tab:** Storage **Card:** Add Device Modal **Purpose:** Storage device registration form
Content: Device type, mount point, file system settings **Location:** Modal popup
- **Tab:** Storage **Card:** Create Share Modal **Purpose:** Network share configuration form
Content: Name, protocol, path, permissions, access control settings
Location: Modal popup

8. Settings Tab

Location: Main Navigation > Settings

Header Section

- **Tab:** Settings **Card:** Page Header **Purpose:** System settings title **Content:** "System Settings" with configuration subtitle **Location:** Top section
- **Tab:** Settings **Card:** Refresh Button **Purpose:** Reload settings data **Content:** "Refresh" with refresh icon **Location:** Top-right header

- **Tab:** Settings **Card:** Restart System Button **Purpose:** Reboot Pi5 Supernode
Content: "Restart System" with refresh icon, destructive styling **Location:** Top-right header

Quick Stats

- **Tab:** Settings **Card:** System Uptime Metric **Purpose:** System runtime indicator
Content: Uptime duration with "since last restart" subtitle **Location:** Top metrics row, position 1
- **Tab:** Settings **Card:** SSH Status Metric **Purpose:** SSH service availability
Content: Enabled/Disabled with port number subtitle **Location:** Top metrics row, position 2
- **Tab:** Settings **Card:** Firewall Metric **Purpose:** Security status indicator **Content:** Active/Inactive with "network protection" subtitle **Location:** Top metrics row, position 3
- **Tab:** Settings **Card:** Auto Updates Metric **Purpose:** Update automation status
Content: Enabled/Disabled with "system maintenance" subtitle **Location:** Top metrics row, position 4

Tab Navigation

- **Tab:** Settings **Card:** System Tab **Purpose:** General system configuration
Content: Tab button with settings icon **Location:** Tab navigation bar
- **Tab:** Settings **Card:** Security Tab **Purpose:** Security and access settings **Content:** Tab button with shield icon **Location:** Tab navigation bar
- **Tab:** Settings **Card:** Notifications Tab **Purpose:** Alert and notification setup
Content: Tab button with bell icon **Location:** Tab navigation bar
- **Tab:** Settings **Card:** API Keys Tab **Purpose:** API authentication management
Content: Tab button with key icon **Location:** Tab navigation bar
- **Tab:** Settings **Card:** Backup Tab **Purpose:** System backup and restore **Content:** Tab button with database icon **Location:** Tab navigation bar
- **Tab:** Settings **Card:** Documentation Tab **Purpose:** Help and documentation links **Content:** Tab button with file text icon **Location:** Tab navigation bar

System Configuration

- **Tab:** Settings **Card:** General Settings Form **Purpose:** Basic system configuration **Content:** Hostname, timezone, auto-updates settings **Location:** System tab, left column
- **Tab:** Settings **Card:** Network Settings Form **Purpose:** Network configuration **Content:** DNS servers, SSH settings, NTP configuration **Location:** System tab, right column
- **Tab:** Settings **Card:** Save System Settings Button **Purpose:** Apply system configuration changes **Content:** "Save System Settings" with save icon **Location:** System settings form

Security Configuration

- **Tab:** Settings **Card:** Security Settings Form **Purpose:** Security policy configuration **Content:** Firewall, fail2ban, password policy, session timeout, 2FA settings **Location:** Security tab
- **Tab:** Settings **Card:** Save Security Settings Button **Purpose:** Apply security configuration changes **Content:** "Save Security Settings" with save icon **Location:** Security settings form

Notification Configuration

- **Tab:** Settings **Card:** Notification Settings Form **Purpose:** Alert delivery configuration **Content:** Email, Telegram, webhook settings with alert level selection **Location:** Notifications tab
- **Tab:** Settings **Card:** Save Notification Settings Button **Purpose:** Apply notification configuration changes **Content:** "Save Notification Settings" with save icon **Location:** Notification settings form

API Key Management

- **Tab:** Settings **Card:** API Key Display **Purpose:** Show/hide current API key **Content:** Masked API key with show/hide toggle and copy button **Location:** API Keys tab

- **Tab:** Settings **Card:** Generate API Key Button **Purpose:** Create new API key
Content: "Generate New Key" with key icon **Location:** API Keys tab
- **Tab:** Settings **Card:** Copy API Key Button **Purpose:** Copy key to clipboard
Content: Copy icon button **Location:** API key display

Backup Management

- **Tab:** Settings **Card:** Backup Settings Form **Purpose:** Backup configuration
Content: Backup schedule, retention, destination settings **Location:** Backup tab
- **Tab:** Settings **Card:** Create Backup Button **Purpose:** Manually create system backup
Content: "Create Backup" with download icon **Location:** Backup tab
- **Tab:** Settings **Card:** Backup History Table **Purpose:** Show previous backups
Content: Backup date, size, status with download/restore actions **Location:** Backup tab

Documentation Links

- **Tab:** Settings **Card:** Getting Started Guide **Purpose:** Link to setup documentation **Content:** "Getting Started Guide" with book icon and external link **Location:** Documentation tab
- **Tab:** Settings **Card:** Network Configuration Guide **Purpose:** Link to networking docs **Content:** "Network Configuration" with network icon **Location:** Documentation tab
- **Tab:** Settings **Card:** VPN Setup Guide **Purpose:** Link to VPN documentation
Content: "VPN Setup Guide" with shield icon **Location:** Documentation tab
- **Tab:** Settings **Card:** API Documentation **Purpose:** Link to API reference **Content:** "API Documentation" with terminal icon **Location:** Documentation tab
- **Tab:** Settings **Card:** Troubleshooting Guide **Purpose:** Link to support documentation **Content:** "Troubleshooting" with help circle icon **Location:** Documentation tab
- **Tab:** Settings **Card:** Hardware Requirements **Purpose:** Link to hardware documentation **Content:** "Hardware Requirements" with monitor icon
Location: Documentation tab

Modals

- **Tab:** Settings **Card:** Backup Modal **Purpose:** Backup creation confirmation
Content: Backup options and progress indicator **Location:** Modal popup
- **Tab:** Settings **Card:** API Key Modal **Purpose:** API key generation confirmation
Content: New key display with security warnings **Location:** Modal popup
- **Tab:** Settings **Card:** Password Change Modal **Purpose:** Admin password update form
Content: Current password, new password, confirm password fields
Location: Modal popup

9. Global UI Components

Location: Present across all tabs

Navigation Sidebar

- **Tab:** All **Card:** Logo and Branding **Purpose:** System identification **Content:** Pi5 Supernode logo with "Enterprise Network" subtitle **Location:** Sidebar header
- **Tab:** All **Card:** Navigation Menu **Purpose:** Primary tab navigation **Content:** 8 navigation items with icons and labels **Location:** Sidebar main area
- **Tab:** All **Card:** Sidebar Collapse Button **Purpose:** Toggle sidebar width **Content:** Chevron left/right icon **Location:** Sidebar header
- **Tab:** All **Card:** User Profile **Purpose:** Show current user info **Content:** Avatar, username, email with admin designation **Location:** Sidebar footer

Top Header Bar

- **Tab:** All **Card:** Page Title **Purpose:** Current section identification **Content:** "Network Management" title **Location:** Top header left
- **Tab:** All **Card:** Global Search **Purpose:** System-wide search functionality **Content:** Search input with magnifying glass icon **Location:** Top header center
- **Tab:** All **Card:** Global Refresh Button **Purpose:** Refresh current view data **Content:** Refresh icon button **Location:** Top header right
- **Tab:** All **Card:** Notifications Bell **Purpose:** Show system notifications **Content:** Bell icon with notification count badge **Location:** Top header right

Notification System

- **Tab:** All **Card:** Toast Notifications **Purpose:** User feedback and alerts **Content:** Success, error, warning, info messages with dismiss option **Location:** Top-right overlay
- **Tab:** All **Card:** Loading Spinners **Purpose:** Indicate data loading states **Content:** Animated spinner with loading text **Location:** Various card locations

Component Patterns

Common Button Types

- **Primary Action Buttons:** Neon-styled buttons for main actions (Create, Add, Save)
- **Secondary Action Buttons:** Outline-styled buttons for secondary actions (Edit, Configure, Refresh)
- **Destructive Action Buttons:** Red-styled buttons for dangerous actions (Delete, Block, Restart)
- **Icon Buttons:** Small buttons with only icons for space-efficient actions

Modal Patterns

- **Form Modals:** Configuration and creation forms with input validation
- **Confirmation Modals:** Action confirmation dialogs with cancel/proceed options
- **Display Modals:** Read-only content display (QR codes, configurations, documentation)

Table Patterns

- **Data Tables:** Sortable, filterable data display with pagination
- **Action Tables:** Tables with row-level action buttons
- **Status Tables:** Tables with visual status indicators and health badges

Metric Card Patterns

- **Simple Metrics:** Single value with subtitle
- **Trend Metrics:** Value with trend indicators and percentage changes
- **Status Metrics:** Health status with color-coded indicators
- **Progress Metrics:** Values with progress bars and utilization percentages

Total Component Count

- **Tabs:** 8 main navigation tabs
- **Metric Cards:** 32 informational metric displays
- **Action Buttons:** 127 interactive buttons across all tabs
- **Data Tables:** 13 structured data displays
- **Modal Popups:** 15 overlay forms and dialogs
- **Input Fields:** 45+ form inputs across all configuration panels
- **Dropdown Menus:** 12 selection dropdowns
- **Navigation Elements:** 25+ navigation and control elements

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