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PUQcloud – Cloud Management Panel (open-source)

Status: Development in processing
Technologies Used: Laravel, Cloud Architecture, Microservices, Multitenancy
Programming Language(s): PHP, JavaScript

Overview:
PUQcloud is an open-source, modular, and scalable cloud management panel designed for IT service providers, aiming to simplify and automate the management of cloud services. **PUQcloud** is built using **Laravel**, offering a flexible and extensible platform that integrates with various billing systems and cloud environments. The panel supports clustering and background job processing via queues, providing both speed and scalability.

PUQcloud is ideal for businesses looking to offer a range of services, such as cloud hosting, SaaS, IT support, and hardware repair management, all while keeping costs low with its open-source model.

Key Features:

- **Fully Modular Design:** The platform allows the easy addition of custom modules to extend functionality.

- **Multitenancy Support: PUQcloud** supports multiple businesses (or "companies") under one installation, making it ideal for resellers or agencies.

- **Automated Billing and Invoicing:** Automate invoicing, payment processing, and service deployment.

- **Cloud Services Deployment:** Seamlessly deploy cloud services, manage customers, and scale services across different infrastructures.

- **Helpdesk and Remote Support:** Integrate support for remote hands, helpdesk systems, and ticketing, enhancing customer service and operational efficiency.

- **Multi-Language Support: PUQcloud** is available in multiple languages, helping businesses serve global clients.

- **Advanced Taxation and Regulations:** With flexible tax rules, **PUQcloud** allows businesses to automatically apply local tax rates based on the client's location.

- **Elastic and Fast:** Thanks to its queue-based architecture, **PUQcloud** is designed for speed and elasticity, ensuring high performance even with large-scale deployments.

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Features for Service Providers:

- **Cloud Management:** Provision, manage, and automate the entire lifecycle of cloud services.

- **Client Dashboard:** Provide clients with an intuitive, self-service portal where they can view and manage their subscriptions, tickets, and usage.

- **User and Access Management:** Advanced user permissions and role management for service teams and clients.

- **Analytics and Reporting:** Real-time data and reporting to help businesses monitor performance, usage statistics, and financial metrics.

- **Custom Modules:** Build custom modules for unique service offerings or integrate with third-party services.

- **Support for Hardware Repair Services:** Manage repair services for electronic devices, offering clients an integrated service from IT support to hardware repairs.

Advantages of PUQcloud:

- **Open Source:** Free and open-source, making it accessible to anyone, with the ability to customize the codebase.

- **Modular and Flexible:** Add or remove modules as your business grows or your needs evolve.

- **Free to Use:** Unlike other cloud management systems, **PUQcloud** is free, lowering the cost for businesses starting out in the IT services market.

- **Scalable: PUQcloud** is built to scale, supporting businesses from small IT startups to large cloud service providers.

- **Reliability:** Built with best practices for high availability, PUQcloud is designed for mission-critical environments.

- **Global Community:** Collaborate with developers from all around the world, contributing to and benefiting from a vibrant open-source ecosystem.

Who is PUQcloud For?

- **IT Service Providers:** Automate and manage your client's IT services from cloud hosting to software-as-a-service (SaaS).

- **Cloud Resellers:** Offer scalable cloud hosting solutions to clients with seamless billing and support.

- **Managed Service Providers:** Provide remote support, hardware repair services, and other managed IT services.

- **Startups and Entrepreneurs:** Start a cloud service business with a low-cost, reliable system.

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PUQVPNCP: Simplifying VPN Server Management

Website: https://puqvpncp.com/

Programming Language(s): Go

Target Platform(s): Linux (Debian, Ubuntu)

Technologies Used: WireGuard, IKEv2, SSL, Let's Encrypt, DNS Caching, InfluxDB, syslog

PUQVPNCP is a powerful solution designed to simplify VPN server management for Linux-based systems, built using the GO programming language. It is distributed as a .deb package, supporting Debian and Ubuntu operating systems. PUQVPNCP is ideal for both personal use and business applications, offering seamless management of VPN servers utilizing modern protocols like WireGuard and IKEv2.
This software is engineered to deliver a simple yet effective experience, making it accessible for users of all levels. It combines advanced functionality with ease of use, ensuring that VPN server management is streamlined and straightforward.

Key Features:
- **Intuitive Web Interface:** An easy-to-navigate interface designed to simplify the VPN server management process.
- **Integrated SSL Let's Encrypt Support:** Provides secure connections with automatic SSL certificate integration.
- **Server and Client Management:** Effortlessly create and manage WireGuard and IKEv2 servers and clients.
- **Speed Limitation:** Control the bandwidth usage of VPN clients with customizable speed limits.
- **Traffic Usage Statistics:** Get comprehensive insights into data usage and traffic patterns.
- **QR Code Generation:** Quickly configure WireGuard clients with auto-generated QR codes for easy setup.
- **One-Time Configuration Links:** Securely share client configuration data with one-time use links for ease of setup.
- **Firewall Management:** Simple and efficient firewall management to enhance server security.
- **IPv4 Public IP Support:** Enable clients to use IPv4 public IPs, improving connectivity.
- **DNS Caching Server Management:** Simplified DNS caching management for WireGuard clients to boost performance.
- **Port Forwarding:** Easily forward ports from the server's public IP to the internal IPs of VPN clients.
- **Traffic Logging:** Log and monitor traffic on your VPN server and send logs to remote servers such as syslog or InfluxDB.
- **Configuration Backups:** Safely back up and restore panel settings with a single click.
- **Remote Control via API:** Full control of the VPN panel through an intuitive API for remote management.

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PowerDNS Module for WHMCS

Website: https://puqcloud.com/whmcs-module-powerdns.php
Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WHMCS
Technologies Used: PowerDNS API, MySQL, WHMCS

Overview:
The **PUQ PowerDNS Module** for WHMCS allows users to manage DNS records within their DNS zones. It integrates seamlessly with the PowerDNS API, providing a convenient interface for both administrators and clients to manage DNS settings without additional configuration required on the PowerDNS server.
Module Features:
- **Zone Management:** Easily configure the number of zones and enforce zone name filters.
- **Automated Payment Integration:** The module automatically blocks DNS zones if payments are not made, and unblocks them upon successful payment.
- **Service Termination Automation:** When a service is terminated, the module ensures automatic deletion of associated DNS zones.

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Digital Product Module for WHMCS

Website: https://puqcloud.com/whmcs-module-nextcloud.php
Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WHMCS
Technologies Used: Nextcloud API, WHMCS

Overview:
The **Digital Product Module for WHMCS** allows businesses to sell and securely deliver digital products to customers via Nextcloud. The module creates personalized download links for products stored on a Nextcloud server and ensures access control based on customer payment status.

How It Works:

1. **Nextcloud Server Setup:**
   Configure your Nextcloud server and create directories for the digital products you wish to sell.
2. **Product Creation in WHMCS:**
   Create products in WHMCS and associate each with the respective folder on the Nextcloud server.
3. **Customer Purchase and Access:**
   Upon successful payment, a personalized shared link is generated for the customer to download their digital product.
4. **Access Management:**
   The module automatically suspends or terminates access based on the customer's subscription status or payment failures. If the service is terminated, the shared link is deleted.
5. **Security Options:**
   Configure the download link to require a password or provide open access.

Features:

- **Automatic Creation/Suspension/Termination of Download Links**
- **Integration with Nextcloud API for Seamless Share Management**
- **Multilingual Support:** Supports multiple languages including English, Spanish, German, Russian, and many others.
- **Admin Panel Options:** Create, Suspend, Unsuspend, Terminate, and check API connection status.
- **Client Panel Options:** Access personalized download links.

For detailed setup instructions, please refer to the
https://doc.puq.info/books/digital-product-whmcs-module/page/description.

MikroTik WireGuard VPN Module WHMCS

Website: https://puqcloud.com/whmcs-module-mikrotik-wireguard-vpn.php
Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WHMCS
Technologies Used: MikroTik RouterOS, WireGuard, WHMCS

Overview:
The **MikroTik WireGuard VPN module for WHMCS** automates the deployment, management, and billing of WireGuard VPN services, integrating seamlessly with MikroTik routers and the WHMCS billing platform. This module ensures that your VPN service delivery is fast, efficient, and secure, fully automating the process of provisioning, suspending, and terminating VPN accounts for customers.

Module Features:
- **Automatic VPN Account Creation:** Create and deploy WireGuard VPN accounts on MikroTik routers automatically.
- **Suspension and Termination:** Suspend, unsuspend, or terminate customer accounts based on payment status or service termination.
- **MikroTik API Integration:** The module utilizes the MikroTik API for seamless configuration and management of VPN accounts.
- **Bandwidth Speed Limits:** Set bandwidth limits for clients based on their package.
- **Multilingual Support:** Supports multiple languages, including Arabic, Azerbaijani, English, Spanish, and many others.
- **Configuration Options:** Offers both text and QR code configuration for easy setup of VPN clients.
- **Billing and Usage Metrics:** Monitor bandwidth usage (incoming and outgoing) and integrate it with WHMCS for accurate billing.
- **Client and Admin Panel Options:** Admins can manage VPN users, monitor VPN status, reboot VPN interfaces, and more. Clients can view VPN status and easily access their configuration files.

How It Works:
1. **MikroTik Router Setup:** Configure your MikroTik router with the necessary NAT, Firewall, and routing settings for VPN connections.
2. **WHMCS Integration:** Set up VPN products in WHMCS, including setting bandwidth speeds, and the module will automatically handle account provisioning and configuration.
3. **Customer Access:** Once a customer purchases a VPN service, the module automatically generates a personalized WireGuard configuration file and QR code for easy setup.

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ownCloud Module WHMCS

Website: https://puqcloud.com/whmcs-module-owncloud.php
Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WHMCS
Technologies Used: ownCloud API, WHMCS

Overview:
The **ownCloud module for WHMCS** enables businesses to offer cloud storage services to their clients by leveraging pre-configured ownCloud servers. With this module, companies can create multiple public cloud packages and sell them at varying price points, allowing clients to access their own independent cloud accounts. The module automates the process of account creation and management using the ownCloud API.

Module Features:
- **Automatic Account Creation:** Create and deploy client accounts on the ownCloud server automatically according to selected packages.
- **Multilingual Support:** The module supports a variety of languages, including Arabic, English, Spanish, Russian, and more.
- **Data Usage Tracking:** The module tracks both current and historical data usage for each client and notifies clients if they exceed their data limits.
- **Account Management:** Admins can suspend, unsuspend, or terminate user accounts, change passwords, and manage packages directly through the WHMCS admin panel.
- **Client Control Panel:** Clients can change their ownCloud passwords and view their disk usage and current status.
- **Cloud Disk Status:** The module allows both clients and admins to monitor the status and health of the ownCloud disk.
- **Customizable Service Setup:** The module provides a link to setup instructions for clients, making it easy for them to begin using the service.

How It Works:
1. **ownCloud Server Setup:** The ownCloud server must be pre-configured before using the module (installation of ownCloud, Nginx, PHP, SSL certificates, etc.).
2. **WHMCS Integration:** Set up ownCloud service packages in WHMCS and the module will automatically create and manage client accounts based on selected packages.
3. **Client Management:** Admins have full control over user accounts, while clients can manage their account details and monitor their storage usage.

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WireGuard Business VPN Module WHMCS

Website: https://puqcloud.com/whmcs-module-wireguard-business-vpn.php
Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WHMCS
Technologies Used: PUQVPNCP API, WHMCS, WireGuard

Overview:
The **WireGuard Business VPN Module for WHMCS** is a premium solution tailored to provide businesses and corporations with secure remote access to their internal resources. This module offers full control over VPN accounts, including advanced features like dedicated IP addresses, bandwidth management, and more. It allows companies to securely manage their VPN infrastructure without relying on third-party solutions, offering a more customized and professional service.

Module Features:
- **Automatic VPN Account Management:** Create, modify, delete, or block VPN accounts directly from the WHMCS admin panel.
- **Dedicated Permanent IP:** Each business customer receives a dedicated IP address, enhancing the security and reliability of remote connections.
- **Advanced Network Configuration:** Enable features such as port forwarding and detailed traffic monitoring for a fully customizable VPN environment.
- **Bandwidth and Account Limitations:** Set bandwidth speed limits and impose account limits per package for better resource management.
- **Multilingual Support:** The module supports multiple languages, including Arabic, English, Spanish, and more.
- **Business-Oriented VPN Service:** Unlike regular consumer VPN solutions, this module is designed for corporate environments, offering secure, internal networks with detailed access control.
- **Service Customization:** The service can integrate network devices, ensuring remote access to network equipment, perfect for industries like remote monitoring or equipment management.
- **Client Panel Integration:** Customers can manage their VPN accounts, set up port forwarding, and monitor their bandwidth usage.

How It Works:
1. **VPN Infrastructure:** The WireGuard Business VPN module integrates with **PUQVPNCP** to provide businesses with a private VPN network.
2. **Customizable Services:** Businesses can create personalized VPN services with control over account limits, bandwidth allocation, and secure internal communication.
3. **Access Control:** VPN accounts can be managed to ensure that only authorized users have access to the company's resources, with the added security of public IP addresses that don't change during the service.
4. **Remote Work Support:** Ideal for remote teams, the service allows employees to connect to a secure private network, ensuring that they can access company resources from anywhere in the world.

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Business VPN Module WHMCS

Website: https://puqcloud.com/whmcs-module-business-vpn.php
Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WHMCS
Technologies Used: Mikrotik API, WHMCS, VPN Protocols

Overview:
The **Business VPN Module for WHMCS** is a tailored solution for companies seeking to offer secure, private, and scalable VPN services to their clients. This module provides businesses with full control over VPN accounts and offers professional-grade features, including dedicated IP addresses, detailed account management, and internal network configurations. It's ideal for businesses that need a VPN service as part of their IT infrastructure, offering secure remote access to company resources from anywhere in the world.

Module Features:
- **Dedicated Permanent IP:** Each business client gets a dedicated IP address, ensuring stable and secure access to the company's resources.
- **Complete VPN Account Management:** Clients can create, modify, delete, and block VPN accounts, giving them full control over their VPN infrastructure.
- **Port Forwarding:** Forward TCP/UDP protocol ports from a public IP address to an internal network IP address, enhancing flexibility in how the network is configured.
- **Account and Bandwidth Limits:** Set user account limits per package and bandwidth speed limits per account for better resource management.
- **VPN Connection Statistics:** View detailed statistics about VPN account activity, helping businesses monitor and control their VPN usage.
- **Client Panel Integration:** Allow clients to manage their VPN accounts, including creating, deleting, and blocking accounts, as well as monitoring their VPN usage through real-time statistics.
- **Security and Monitoring:** Enable IT departments to configure detailed internal firewalls, monitor traffic, and implement security measures like IDS (Intrusion Detection Systems).

How It Works:
1. **Private VPN Network:** The service connects all client devices into one secure private network, facilitating communication between remote teams and ensuring secure access to company resources.
2. **Dedicated Public IP Address:** VPN clients are assigned a permanent public IP, allowing them to access company servers with a fixed identity.
3. **Custom Network Configuration:** Clients can configure their networks with specific ports and other internal access controls, making this solution highly customizable for business needs.
4. **Remote Device Access:** The service also supports connecting network devices such as measuring instruments, allowing businesses to create secure remote access to internal equipment.

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Support by Time Module WHMCS

Website: https://puqcloud.com/whmcs-module-support-by-time.php
Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WHMCS
Technologies Used: WHMCS, PHP, Time Tracking, Billing

Overview:
The **Support by Time Module for WHMCS** allows businesses to charge clients for support services based on the time spent on their requests. By offering subscription-based packages, this module enables companies to manage and track the amount of time spent on client support, providing a clear and transparent way to bill clients for the services rendered.

Module Features:
- **Support Packages:** Configure subscription packages that include a set number of support hours. Once the package is exhausted, additional hours are billed at a specified hourly rate.
- **Overtime Billing:** Support packages come with the option to charge additional fees for overtime if the allotted hours are exceeded.
- **Manual Time Tracking:** Time spent on tickets is entered manually by support staff during ticket updates, with the option to round to 15-minute increments (0.25 hours).
- **Multiple Pricing Options:** The module supports flexible pricing per hour and allows setting different rates for overtime or additional hours.
- **Currency Support:** Prices can be configured for all currencies available in the WHMCS installation.
- **Seamless Integration with WHMCS:** The module works with the WHMCS Billable Items function, adding the time spent to the client's invoice automatically.
- **Client History:** Clients can view the complete history of all support tickets, including time spent on each ticket, and track their remaining support hours in the client area.
- **Admin Panel Integration:** Operators can view and manage the history of technical tickets, along with the corresponding time spent on each ticket. They can also add technical support products directly from the ticket update window.

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ProxmoxKVM Module WHMCS

Website: https://puqcloud.com/whmcs-module-proxmox-kvm.php
Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WHMCS
Technologies Used: WHMCS, Proxmox, KVM, Virtualization, Networking, Cloud-init, Firewall Management

Overview:
The **ProxmoxKVM WHMCS Module** simplifies the management of KVM virtual machines through the WHMCS control panel. This module integrates seamlessly with Proxmox servers or Proxmox clusters, allowing users to create, manage, and monitor KVM virtual machines directly from within WHMCS. It eliminates the need for clients to access the Proxmox panel and provides a more user-friendly experience, improving operational efficiency and reducing support requests.
This module is aimed at advanced users as its installation and configuration require a solid understanding of server management and network configuration.
Module Features:
- **Automated KVM Virtual Machine Creation:** Automatically provisions KVM virtual machines on Proxmox, based on predefined product configurations.
- **Service Management:** Includes functionality for suspending, unsuspending, and terminating services, as well as removing virtual machines and associated dependencies from Proxmox.
- **Advanced Configuration:** Automatically configures VM parameters, such as CPU cores, RAM, disk limits, bandwidth, and network settings.
- **Disk Management:** Configures VMs with separate disks (e.g., system and data disks), including automatic disk attachment when specified in product configurations.
- **IPv4 and IPv6 Support:** The module automatically assigns IP addresses (IPv4 and IPv6) from a pre-configured pool during VM creation.
- **Cloud-init Integration:** Automatically configures the virtual machine using cloud-init for system initialization.
- **DNS Management:** Manages forward and reverse DNS records for VMs, with detailed information available in support tickets.
- **Snapshot and Backup Management:** Allows clients to manage snapshots and backups, with the number of snapshots/backups configurable in the product options.
- **ISO Mounting:** Admins can mount ISO images to VMs, with templates available for the most common operating systems.
- **OS Reinstallation and Reset:** Clients can reinstall the operating system or reset the root password from both the client and admin panels.
- **Firewall Rules:** Automatically adds firewall rules to prevent IP spoofing for virtual machines.
- **NoVNC Console Access:** Integrated web-based noVNC console for VM access.
- **Resource Statistics:** Provides real-time metrics on CPU, RAM, disk, and network usage, with graphs for easy monitoring.
- **Machine Migration:** Allows changing the virtual machine identifier to attach existing machines to the module, if the machine exists in Proxmox but is not yet linked to a service.

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MinIO S3 Module WHMCS

Website: https://puqcloud.com/whmcs-module-minio-s3.php
Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WHMCS
Technologies Used: WHMCS, MinIO S3, Cloud Storage, Object Storage

Overview:
The **MinIO S3 WHMCS Module** allows companies to provide their clients with easy access to manage S3-compatible object storage via MinIO. By integrating MinIO with WHMCS, businesses can offer automated provisioning and management of user accounts and storage buckets, all through a streamlined interface.
The module provides full S3 object storage functionality with features such as user management, usage statistics, notifications for data limits, and more. It is essential to have a fully configured MinIO server for the module to function, as the module uses only the MinIO API to manage accounts and storage.

Module Features:
- **Automatic Product Creation:** Automatically creates users and S3 buckets when a product is ordered, streamlining the process of setting up storage for clients.
- **API Management:** The module uses the MinIO API for managing user accounts and storage, ensuring reliable and secure operations.
- **Data Usage Statistics:** Displays current and historical data usage, providing users with insights into their storage consumption.
- **Notifications:** Alerts users when they exceed their data limit and suspends accounts once the disk limit is surpassed, ensuring the system runs smoothly and users are informed.
- **Multilingual Support:** The module supports multiple languages, including Arabic, English, Spanish, Russian, and many others, ensuring it can cater to a global audience.
- **Admin Panel Options:**
  - Suspend, Unsuspend, and Terminate User Accounts
  - Change User Password
  - Change User Package
  - View API Connection and Disk Status
- **Client Panel Options:**
  - Change MinIO User Password
  - View Disk Status
  - View Disk Usage Statistics

System Requirements:
- **MinIO Server:** A fully configured and operational MinIO server is required (the module does not assist in server creation).
- **WHMCS Installation:** A working WHMCS environment to manage the module and client interactions.

Client Experience:
Clients can easily view their storage status, manage their accounts, and monitor their data usage directly from the client panel. Notifications will alert them if they exceed their storage limits or if their account is suspended due to such limits, keeping users informed and in control.

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Synology Module WHMCS

Website: https://puqcloud.com/whmcs-module-synology.php

Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WHMCS
Technologies Used: WHMCS, Synology DSM API

Overview:
The **Synology Module WHMCS** allows businesses to offer user accounts on Synology devices, providing the ability to manage and deploy accounts directly through WHMCS. The module uses the Synology API to manage user accounts, giving customers an easy way to interact with their Synology storage devices without the need for direct access to the Synology DSM (DiskStation Manager) interface.
The module allows for flexible account management, with features like the ability to assign different parameters based on user groups. It's essential to have a fully configured Synology device and DSM installation for the module to function properly.
Module Features:
- **Automatic Account Creation:** Automatically creates and deploys user accounts on Synology devices when a product is ordered, simplifying the process for customers.
- **API Management:** The module communicates with Synology devices through the Synology API, allowing businesses to manage user accounts and storage configurations remotely.
- **Data Usage Tracking:** Displays both current and historical data usage for users, helping them track their consumption.
- **Notifications:** The module will notify users when they exceed their data limit, ensuring they remain informed about their storage usage.
- **Multilingual Support:** The module supports various languages, making it suitable for a global audience.
- **Admin Panel Options:**
  - Create, Suspend, Unsuspend, and Terminate User Accounts
  - Change User Passwords
  - Change User Packages
  - Monitor API Connection and Disk Status
- **Client Panel Options:**
  - Change User Passwords
  - Change User Packages
  - View Disk Status and Disk Space Usage
System Requirements:
- **Synology Device:** A fully configured Synology device running DSM (DiskStation Manager) is required for the module to function.
- **WHMCS Installation:** A working WHMCS environment to manage the module and client interactions.
Client Experience:
Clients can manage their Synology accounts directly through the WHMCS client area, where they can view their data usage, modify their password, and manage their package. They will receive notifications if they exceed their data limits, ensuring transparency in storage usage.

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Nextcloud Module WHMCS

Website: https://puqcloud.com/whmcs-module-nextcloud.php
Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WHMCS
Technologies Used: WHMCS, Nextcloud API

Overview:
The **Nextcloud Module WHMCS** enables businesses to offer public cloud services based on Nextcloud accounts to their customers. The module allows companies to define multiple cloud service packages, each with a different price point, and create accounts for customers accordingly. The customer can have multiple independent Nextcloud accounts.
This module only works with an existing, pre-configured Nextcloud server. It uses the Nextcloud API to manage client accounts, ensuring seamless integration between WHMCS and the Nextcloud cloud storage system.
The module provides automated provisioning of user accounts, allowing for efficient management of cloud services without requiring clients to interact with the Nextcloud server directly.
Module Features:
- **Automatic Account Creation:** The module automatically creates user accounts based on the selected cloud package during order placement.
- **API Integration:** Utilizes the Nextcloud API for seamless account management, ensuring all operations (such as account creation and updates) are done directly from within WHMCS.
- **Data Usage Tracking:** Displays both current and historical data usage for each client, giving them transparency into their cloud storage consumption.
- **Notifications:** Clients are notified when they exceed their data limits, allowing them to manage their storage needs effectively.
- **Multilingual Support:** The module is available in several languages, making it ideal for businesses with international clients.
- **Admin Panel Features:**
  - Create, Suspend, Unsuspend, and Terminate User Accounts
  - Change User Passwords
  - Change User Cloud Packages
  - Monitor API Connection and Nextcloud Disk Status
- **Client Panel Features:**
  - Change User Passwords
  - View Nextcloud Disk Status and Usage Statistics
  - Manage Data Storage Quota
System Requirements:
- **Nextcloud Installation:** A fully configured Nextcloud server with API access is required for the module to function. This installation must be completed before using the module.
- **WHMCS Installation:** A working WHMCS installation to manage the Nextcloud accounts and provide billing services.

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Mikrotik VPN Module WHMCS

Website: https://puqcloud.com/whmcs-module-mikrotik-vpn.php
Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WHMCS
Technologies Used: Mikrotik API, WHMCS

Overview:
The **Mikrotik VPN Module WHMCS** allows businesses to provide and manage VPN services for their customers using Mikrotik hardware and software. The module integrates Mikrotik's API with WHMCS, enabling automated account creation, management, and configuration of VPN services directly from within the WHMCS platform.
This module is designed for businesses offering professional VPN services and provides all the necessary tools to manage VPN accounts, bandwidth limits, traffic usage, and customer notifications. It automates the process of creating and managing VPN accounts and provides detailed traffic usage statistics, making it easier to control and monitor VPN services for both administrators and clients.

Module Features:
- **Automatic VPN Account Creation:** Automatically creates VPN accounts based on user orders in WHMCS.
- **Account Management:** Supports various administrative actions, including:
  - Suspend/Unsuspend/Terminate/Reset VPN accounts
  - Change VPN account package
  - Change passwords for VPN accounts
  - Traffic usage history and statistics
- **Bandwidth Control:** Set limits for bandwidth speed and traffic usage for each VPN account.
- **Traffic Management:** Clients can buy additional traffic if needed. The service will be auto-limited when the traffic limit is exhausted.
- **Email Notifications:** Users receive email alerts when they are close to reaching their traffic limit, or if the limit is exceeded.
- **Multilingual Support:** The module supports several languages, providing global usability.
- **IP Management:** Admin can specify a list of IPs to be used by clients, allowing both private and public IP options.
- **Traffic Statistics:** Clients can monitor their traffic balance and history. Admins can view detailed traffic usage statistics to ensure proper service management.
- **Detailed Client Panel Features:**
  - View and update VPN password
  - Check VPN connection status
  - Monitor traffic balance and usage statistics
  - View history of added traffic

Admin Panel Features:
- **Account Management:** Admin can create, suspend, unsuspend, terminate, or reset VPN accounts.
- **Traffic Monitoring:** Track bandwidth limits, traffic usage, and view detailed usage history.
- **Connection Status:** View current VPN connection status for all users.
- **Traffic History:** View records of traffic purchased and used for each account.

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Commitments Forecaster WHMCS Module

Status: Died
Project Funded By: PUQ sp. z o.o.
Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WHMCS
Technologies Used: WHMCS, WebDAV, Nextcloud, PHP, MySQL

Overview:
The **Commitments Forecaster WHMCS Module** was created to help companies manage, classify, and report costs more efficiently. While WHMCS does a great job of handling and reporting revenues, it lacks the necessary features to manage and track costs effectively. This module provides a comprehensive solution for businesses to track, manage, and forecast financial commitments related to contracts and invoices. It allows users to easily categorize documents (contracts, invoices) and link them to financial commitments, streamlining the process of financial reporting. By importing invoices from accounting systems via API and syncing with WHMCS, the system generates clear financial reports and forecasts. The module helps calculate real revenue by combining income and costs into a comprehensive financial overview.
The module uses WebDAV to store documents (in PDF format) securely on an external server, ensuring that files are accessible even after the module is removed from WHMCS. This feature ensures long-term access to documents without overloading the WHMCS server.

Key Features:
- **Document Classification:** Upload and classify documents (invoices, contracts, amendments) within the system.
- **Financial Commitments:** Link invoices and contracts to financial commitments that can be monitored over time.
- **Financial Forecasting:** Generate reports and forecasts based on imported invoices and manually uploaded documents.
- **Nextcloud Integration:** Sync documents with your Nextcloud server using WebDAV, ensuring secure and external storage.
- **WHMCS API Integration:** Synchronize invoices directly from WHMCS to the module using the API for seamless data flow.
- **Multi-System Support:** The module can connect with multiple WHMCS systems for invoice synchronization.
- **Data Import from Accounting Systems:** Supports data import from various accounting systems, helping classify invoices based on contracts.
- **Multi-language Support:** Available in English, Polish, and Russian.
- **Customizable Commitment Definitions:** Define and classify "commitments" based on customer agreements, invoices, and other financial documents.
- **System Flexibility:** Allows mapping of invoices to specific commitments and provides flexible date settings for commitments (start date, end date, indefinite duration).
- **Data Security:** All documents are stored externally, with a connection to WebDAV, ensuring they remain accessible even if the module is removed from WHMCS.

System Requirements:
- **WHMCS Installation:** WHMCS must be installed and configured properly for seamless integration with the module.

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- **Nextcloud Setup:** The module has been fully tested with Nextcloud and uses WebDAV for file storage.
- **Accounting System Integration:** The module supports integration with accounting systems capable of exporting invoices and supporting API-based synchronization.

How It Works:

- **Financial Commitments:** Each invoice is mapped to a commitment, and all invoices for a given client are grouped under that commitment.
- **Commitment Parameters:** Start and end dates for commitments are calculated based on the related invoices, or from contract data if available.
- **Date Calculation:** If no contract is present, the system uses the dates of related invoices, with the option to set an indefinite duration or extend the commitment for up to 12 months based on the latest invoice.
- **Document Linking:** Invoices and contracts are mapped to a commitment, and each invoice can only be linked to one commitment for a given customer.

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Digital Product Module for WISECP
Website: https://puqcloud.com/wisecp-module-digital-product.php
Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WISECP
Technologies Used: WISECP, Nextcloud API

Overview:
The **Digital Product Module for WISECP** enables companies to sell digital products to customers and securely manage access to these products through a Nextcloud server. It allows for seamless creation of download links for purchased digital items, along with robust access management based on customer payment status. This module is ideal for businesses looking to sell digital goods, such as software, documents, or media files, and deliver them via Nextcloud's secure file-sharing platform.

Key Features:
- **Easy Product Setup:** Create and manage digital products within WISECP by linking them to designated folders on a pre-configured Nextcloud server.
- **Secure Download Links:** After a customer purchases a product, the module generates a personalized, secure shared link for downloading the product from the Nextcloud server.
- **Access Control:** The module automatically suspends or terminates access to the digital product if the customer cancels the subscription or fails to make a payment. Once payment is completed, the link is reactivated.
- **Customization:** Configure shared links to require a password for added security or to be accessible without a password.
- **Seamless Integration with WISECP:** Manage digital product offerings directly within the WISECP platform and ensure smooth transaction processing and product delivery.
- **Multilingual Support:** The module supports multiple languages, including Arabic, English, French, German, Spanish, and more, making it accessible to a global customer base.
- **Nextcloud API Integration:** The module uses the Nextcloud API for creating, managing, and controlling access to shared links for digital products.
- **Detailed Installation Guide:** A comprehensive setup guide is available, covering server configuration (NGINX, PHP, Nextcloud, SSL certificates) to ensure smooth installation and integration.

How It Works:
1. **Set Up Nextcloud Server:** Pre-configure your Nextcloud server and create product directories for digital items you want to sell.
2. **Create Products in WISECP:** Use the module to define digital products in WISECP and link each product to a specific folder in Nextcloud.
3. **Customer Purchase:** After a customer purchases a product, the module generates a personalized URL for downloading the product.
4. **Access Management:** If the customer's subscription is canceled or payment is not made, the module suspends access to the download link. Once the payment is made, the link is reactivated. In case of service termination, the link is deleted.

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MinIO S3 Module for WISECP

Website: https://puqcloud.com/wisecp-module-minio-s3.php
Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WISECP
Technologies Used: WISECP, MinIO API

Overview:
The **MinIO S3 Module for WISECP** enables companies to offer their customers scalable object storage services compatible with the S3 protocol using the MinIO solution. The module allows for the management of user accounts and S3 buckets through a fully configured MinIO server, simplifying storage management and access for users.

Key Features:
- **Auto Create and Deploy:** Automatically create and deploy user accounts along with corresponding S3 buckets, directly integrating with the MinIO S3 service.
- **API-Driven:** The module exclusively uses the MinIO API to manage user accounts and S3 buckets, ensuring smooth and efficient operation.
- **Data Usage Tracking:** The module displays real-time data usage statistics for each user, ensuring transparency and control over storage consumption.
- **Suspension on Exceeding Limits:** Users' access to their storage will be suspended if they exceed their defined disk usage limits.
- **Multilingual Support:** The module supports multiple languages, making it accessible to a diverse user base across the globe. Available languages include Arabic, English, French, Spanish, Russian, and more.
- **Admin Panel Features:**
  - **Create Users:** Add new users to the system.
  - **Suspend Users:** Temporarily disable access to users exceeding their storage limits.
  - **Terminate Users:** Permanently delete user accounts.
  - **Unsuspend Users:** Reactivate suspended accounts after resolving any issues.
  - **Password Management:** Change users' passwords directly from the admin panel.
  - **Change Package:** Modify user storage packages.
  - **API Connection and Disk Status:** View the status of both the API connection and the current disk usage for each user.

Client Panel Features:
- **Change MinIO User Password:** Users can change their passwords to secure their accounts.
- **Disk Status and Usage Statistics:** Users can monitor their current storage usage and get detailed statistics to help manage their data consumption.

Available Options in the Client Panel:
- **Change MinIO User Password:** Users can change their MinIO account password for security.
- **Disk Status:** Display current disk usage statistics.
- **Disk Space Statistics:** Show detailed statistics for better storage management.

ownCloud Module for WISECP

Website: https://puqcloud.com/wisecp-module-owncloud.php
Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WISECP
Technologies Used: WISECP, ownCloud API

Overview:

The **ownCloud Module for WISECP** allows companies to provide cloud storage services to customers based on ownCloud accounts. With this module, companies can create multiple cloud packages, each with varying storage and features, and manage user accounts on a fully configured ownCloud server.

Key Features:

- **Auto Account Creation:** The module automatically creates user accounts on the ownCloud server based on the selected cloud package.
- **API-Driven:** The module uses only the ownCloud API for account management, ensuring seamless operation.
- **Multilingual Support:** The module supports multiple languages, including Arabic, English, Spanish, French, Russian, and many others.
- **Data Usage Tracking:** The module shows real-time data usage by each user, helping both customers and administrators manage storage efficiently.
- **Flexible Cloud Packages:** The ability to define different cloud packages at various price points, allowing customers to choose the plan that best suits their needs.
- **Admin Panel Features:**
  - **Create Users:** Admins can create new user accounts on ownCloud.
  - **Suspend Users:** Admins can suspend users' accounts temporarily if necessary.
  - **Terminate Users:** Admins can terminate user accounts and delete data.
  - **Unsuspend Users:** Reactivate suspended accounts as needed.
  - **Change Passwords:** Admins can reset user passwords.
  - **Change Package:** Admins can modify users' cloud service packages.
  - **API Connection Status:** Check the status of the connection between WISECP and the ownCloud server.
  - **ownCloud Disk Status:** Monitor the storage usage for each user account.

Client Panel Features:

- **Change ownCloud Password:** Users can change their ownCloud account password for security.
- **ownCloud Disk Status:** Users can view their ownCloud disk usage and remaining storage.

Available Options in the Admin Panel:

- **Create Users:** Add new users to the ownCloud system.
- **Suspend Users:** Temporarily disable user accounts when needed.
- **Terminate Users:** Permanently delete user accounts and their associated data.
- **Unsuspend Users:** Re-enable suspended accounts.
- **Change Users' Passwords:** Admins can reset users' passwords directly.
- **Change Package:** Modify user storage packages as required.

Nextcloud Module for WISECP

Website: https://puqcloud.com/wisecp-module-nextcloud.php
Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WISECP
Technologies Used: WISECP, Nextcloud API

Overview:
The **Nextcloud Module for WISECP** allows businesses to offer cloud storage services to their customers based on **Nextcloud** accounts. The module provides easy integration with WISECP and allows companies to define and sell various cloud packages with different features, while automatically creating and managing customer accounts on a **Nextcloud** server.

Key Features:
- **Auto Account Creation:** Automatically create customer accounts on the Nextcloud server based on the selected cloud package.
- **API-Driven:** Uses only the **Nextcloud API** for account management, ensuring smooth and secure operations.
- **Multilingual Support:** The module supports multiple languages, including Arabic, English, French, Russian, and more.
- **Real-Time Data Usage:** The module provides up-to-date data usage statistics for each user.
- **Flexible Cloud Packages:** Admins can define multiple cloud packages with different storage limits and pricing, offering flexibility for both businesses and customers.
- **Admin Panel Features:**
  - **Create Users:** Admins can create new customer accounts for the cloud service.
  - **Suspend Users:** Temporarily suspend a user account as needed.
  - **Terminate Users:** Permanently delete user accounts and their data.
  - **Unsuspend Users:** Reactivate suspended accounts when required.
  - **Change Passwords:** Admins can reset or change user passwords for security.
  - **Change Package:** Admins can modify a user's selected cloud service package.
  - **API Connection Status:** Monitor the connection status between WISECP and the Nextcloud server.
  - **Nextcloud Disk Status:** Check users' disk usage and available storage.

Client Panel Features:
- **Change Password:** Users can update their Nextcloud password for enhanced security.
- **Nextcloud Disk Status:** Users can view their current disk usage and available storage.

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WireGuard Business-VPN Module for WISECP

Website: https://puqcloud.com/wisecp-module-wireguard-business-vpn.php
Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WISECP
Technologies Used: WireGuard, IKEv2, PUQVPNCP API, WISECP

Overview:
The **WireGuard Business-VPN Module for WISECP** provides businesses with a flexible and customizable Virtual Private Network (VPN) service that allows end customers to manage their own VPN accounts. This module is ideal for companies looking to offer tailored VPN services to their clients, with the ability to manage multiple accounts, control internal traffic, and perform port forwarding.

The module supports both **WireGuard** and **IKEv2** protocols, and integrates seamlessly with the **PUQVPNCP** control panel, enabling businesses to offer a robust, secure, and user-friendly VPN service.

Key Features:
- **Customizable VPN Service:** Allow businesses to create and manage VPN accounts for their clients, including adding/removing accounts and modifying settings.
- **Port Forwarding:** Enable port forwarding functionality for VPN accounts, allowing for more advanced networking needs.
- **Unified Network:** All VPN accounts share a common external IP address, while also supporting internal traffic routing among accounts.
- **Bandwidth Management:** Set bandwidth speed limits per client VPN account, ensuring fair use and optimizing resources.
- **Multi-Protocol Support:** Supports both **WireGuard** and **IKEv2** protocols, offering flexibility in VPN configuration.
- **Client Control:** Clients have control over their VPN accounts, with options to change passwords, generate one-time authorization links, download configuration files, and more.
- **Multilingual Support:** The module supports a wide range of languages, including Arabic, English, French, Russian, Spanish, and many others.

Module Functions:
- **Auto Create and Deploy VPN Accounts:** Automatically create and deploy VPN accounts for clients.
- **Account Management:** Suspend, unsuspend, delete, and change the package for VPN accounts.
- **Bandwidth Limits:** Set and enforce bandwidth speed limits for each client VPN account.
- **Server Groups Management:** Configure and manage multiple servers and server groups for optimized network performance.
- **Port Forwarding:** Perform port forwarding on VPN accounts as needed for advanced setups.
- **Multilingual Interface:** Available in a wide range of languages, making it accessible to a global user base.

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MikroTik WireGuard Business-VPN Module for WISECP

Website: https://puqcloud.com/wisecp-module-mikrotik-wireguard-business-vpn.php
Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WISECP
Technologies Used: WireGuard, MikroTik API

Overview:
The **MikroTik WireGuard Business-VPN Module for WISECP** enables businesses to offer customizable Virtual Private Network (VPN) services for their clients using MikroTik devices or MikroTik CHR. This module gives end customers control over their VPN accounts, allowing them to manage and configure VPN entries, including adding, removing, and modifying accounts, as well as performing port forwarding. All accounts within the network share a common external IP address, and internal traffic routing is also supported.
Businesses can create tailored VPN networks for their clients with this flexible system, meeting specific needs for secure internal communication, data privacy, and networking configurations.

Key Features:
- **Customizable VPN Accounts:** Clients can manage multiple VPN accounts, including adding/removing accounts, configuring port forwarding, and performing internal traffic routing.
- **Shared External IP Address:** All VPN accounts within the same group share a unified external IP address for enhanced connectivity.
- **Bandwidth Management:** Set bandwidth speed limits for individual VPN accounts to ensure fair use and optimize network resources.
- **Port Forwarding:** Enable port forwarding functionality for advanced network setups.
- **Multi-Protocol Support:** The module supports **WireGuard**, providing a high-performance VPN solution with strong encryption.
- **Client Control:** Clients can manage their VPN accounts with options to change passwords, generate WireGuard configuration files, and download QR codes for easy configuration.
- **Multilingual Support:** The module supports a broad range of languages, including Arabic, English, French, Russian, Spanish, and many others.

Module Functions:
- **Auto Create and Deploy VPN Accounts:** Automatically create and deploy VPN accounts for clients.
- **Account Management:** Suspend, unsuspend, delete, and change the package for VPN accounts as required.
- **Port Forwarding:** Enable and configure port forwarding for VPN accounts, optimizing network traffic.
- **Bandwidth Management:** Set bandwidth speed limits for each client VPN account to manage and optimize usage.
- **Server Groups Management:** Configure and manage multiple servers and server groups for better performance and reliability.
- **Multilingual Interface:** The module is available in a wide range of languages to serve a global audience.

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MikroTik WireGuard VPN Module for WISECP

Website: https://puqcloud.com/wisecp-module-mikrotik-wireguard-vpn.php
Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WISECP
Technologies Used: WireGuard, MikroTik API

Overview:
The **MikroTik WireGuard VPN Module for WISECP** allows businesses to sell and manage Virtual Private Network (VPN) services to customers using **WireGuard** on MikroTik devices. This module streamlines VPN account creation, deployment, and management, making it easy for both administrators and clients to access, configure, and maintain secure VPN connections.
This solution supports multiple protocols and enables clients to manage their VPN accounts and configurations via an intuitive client panel. Whether setting up new accounts, managing existing users, or configuring VPN interfaces, this module offers all the necessary features to deliver a high-quality VPN service to customers.
Key Features:
- **Customizable VPN Accounts:** Automatically create and deploy WireGuard VPN accounts for customers.
- **Bandwidth Management:** Set bandwidth speed limits per VPN account to ensure fair distribution of network resources.
- **Multilingual Support:** The module is available in multiple languages, including Arabic, English, Spanish, Russian, and many others.
- **Flexible Configuration:** Clients can configure their WireGuard VPN settings via text or QR code, allowing for easy setup on multiple devices.
- **VPN Interface Reboot:** The module includes a feature to reboot VPN interfaces to reset frozen or unresponsive connections.
- **MikroTik Support:** Fully compatible with MikroTik devices and MikroTik CHR (Cloud Hosted Router) versions v7+.

Module Functions:
- **Auto Create and Deploy VPN Accounts:** Easily create and deploy WireGuard VPN accounts for customers.
- **Suspend/Unsuspend/Delete VPN Accounts:** Manage the status of VPN accounts by suspending, unsuspending, or deleting users.
- **Package Management:** Change VPN service packages for users, allowing you to offer flexible plans.
- **Server and Server Group Management:** Manage multiple VPN servers and groups for scalability and load balancing.
- **VPN Connection Status:** Track the status of VPN connections in real-time.
- **Reboot VPN Interface:** Reset VPN interfaces if connections freeze or become unresponsive.

Available Options in the Admin Panel:
- **Create Users:** Add new VPN users to the system.
- **Suspend/Unsuspend Users:** Temporarily disable or re-enable user accounts.
- **Delete Users:** Remove VPN users and their associated data.
- **Change Package:** Update user VPN packages based on their service needs.
- **VPN Connection Status:** View live connection status of VPN accounts.
- **VPN Interface Reboot:** Reset the VPN connection to restore functionality.

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WireGuard VPN Module for WISECP

Website: https://puqcloud.com/wisecp-module-wireguard-vpn.php
Programming Language(s): PHP, JavaScript, MySQL
Target Platform(s): WISECP
Technologies Used: WireGuard, IKEv2, PUQVPNCP, WISECP

Overview:

The **WireGuard VPN Module for WISECP** allows businesses to sell Virtual Private Network (VPN) services to customers with full control over the management of VPN accounts. This module supports both **WireGuard** and **IKEv2** protocols, providing clients with reliable and secure VPN access. It also requires the **PUQVPNCP control panel** (with a valid license) to function.

This module enables businesses to easily create, manage, and deploy VPN accounts for customers. The system allows flexible bandwidth management, account suspension, and package changes, all accessible through a user-friendly admin and client panel.

Key Features:
- **Customizable VPN Accounts:** Automatically create and deploy VPN accounts using the WireGuard or IKEv2 protocol.
- **Bandwidth Management:** Set bandwidth speed limits per VPN account to regulate network traffic efficiently.
- **Multilingual Support:** The module is available in several languages, including Arabic, English, Spanish, Russian, and more.
- **Integration with PUQVPNCP:** The module requires an active **PUQVPNCP** license and API for complete functionality.
- **Comprehensive Configuration Options:** Users can generate one-time authorization links, change VPN passwords, download WireGuard configuration files, or use QR codes for mobile configuration.
- **Flexible Server Management:** Easily work with multiple servers and server groups for scalable deployment.
- **Secure Connection Options:** Clients can download necessary certificates for IKEv2 or WireGuard setups.

Module Functions:
- **Auto Create and Deploy VPN Accounts:** Automatically create and deploy VPN accounts for customers.
- **Suspend/Unsuspend/Delete VPN Accounts:** Manage the status of VPN accounts as needed.
- **Change Package:** Allow flexible changes to VPN service packages for users.
- **Bandwidth Management:** Set and manage bandwidth limits per VPN account.
- **Server Group Management:** Manage VPN servers and group configurations for better scalability.
- **VPN Connection Status:** Track and monitor the VPN connection status in real time.

Available Options in the Admin Panel:
- **Create Users:** Add new VPN users to the system.
- **Suspend/Unsuspend/Delete Users:** Manage the status of VPN accounts by suspending, unsuspending, or deleting users.
- **Change Package:** Update the VPN package for users based on their requirements.