PUQ Mautic
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MinIO S3 WHMCS module

WHMCS module for MinIO S3 that automates the provisioning and management of S3-compatible object storage accounts. The module supports automatic user and bucket creation, suspension, termination, password management, disk usage monitoring, policy management, and email notifications for disk space limits.

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  - Setup guide: WHMCS setup
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  - Add server (MinIO S3)
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  - Disk statistics
- Admin Area
  - Product Information

Description

MinIO S3 module **WHMCS**

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MinIO S3 WHMCS module

The module allows the company to offer its customers the possibility of managing data storage compatible with S3 object storage using the MinIO S3 solution. The module requires a fully configured MinIO server to work (supported MinIO version: **RELEASE.2025-04-22T22:12:26Z** or lower). The module does not assist in the creation of such a server in any way.

Main features

- **Automatic account provisioning** — auto create and deploy product (User and S3 Buckets) upon order activation
- **API-driven management** — the module uses only the API to manage the accounts on the MinIO server
- **Account lifecycle management** — create, suspend, unsuspend, terminate, change password, and change package for MinIO S3 user accounts
- **Disk usage monitoring** — track and display disk usage statistics with historical data and configurable retention period
- **Email notifications** — automatic notifications when disk usage exceeds configurable thresholds
- **Suspension on disk limit** — automatic suspension when the disk limit is exceeded, with policy switching to restricted mode
- **Multi-language support** — 25 languages including Arabic, Azerbaijani, Catalan, Chinese, Croatian, Czech, Danish, Dutch, English, Estonian, Farsi, French, German, Hebrew, Hungarian, Italian, Macedonian, Norwegian, Polish, Romanian, Russian, Spanish, Swedish, Turkish, and Ukrainian
- **Link to instructions** — configurable link for setting up the service in the client area
- **Policy management** — configurable raw policies for standard and disk-limited access, with admin controls to force policy updates

- **Default bucket creation** — optional automatic creation of a default bucket with configurable suffix

Admin Panel Options

- Suspend users
- Terminate users
- Unsuspend users
- Change users password
- Change Package
- API connection status
- Disk status
- Update Policy / Set Standard Policy / Set Limited Policy

Client Panel Options

- Change the MinIO user password
- Disk status
- Using disk space statistics
- Bucket information

System requirements

Requirement	Minimum / Supported Version
WHMCS	8.x+, 9.x+
PHP	7.4, 8.1, 8.2, 8.3, 8.4
ionCube Loader	v15+
MinIO Server	`RELEASE.2025-04-22T22:12:26Z` or lower

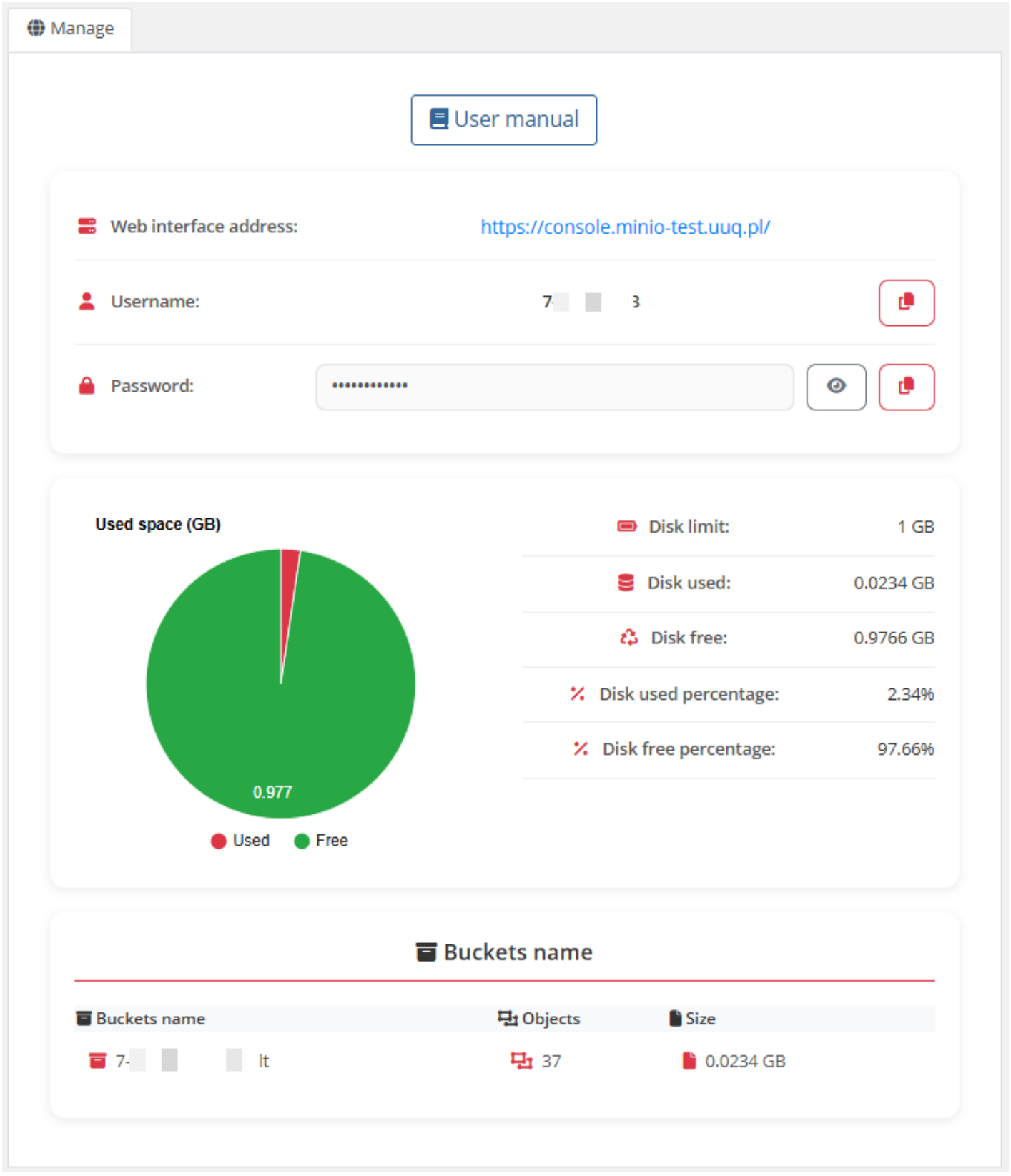
> [!IMPORTANT] **MinIO Server Version Requirement:** The module supports MinIO server versions up to **`RELEASE.2025-04-22T22:12:26Z`** (or lower). It is not compatible with higher/newer releases due to MinIO upstream API changes.

Links

- **Product page:** https://puqcloud.com/whmcs-module-minio-s3.php
- **Documentation:** https://doc.puq.info/books/minio-s3-whmcs-module
- **Support:** https://puqcloud.com/submitticket.php
- **Community:** https://community.puqcloud.com/

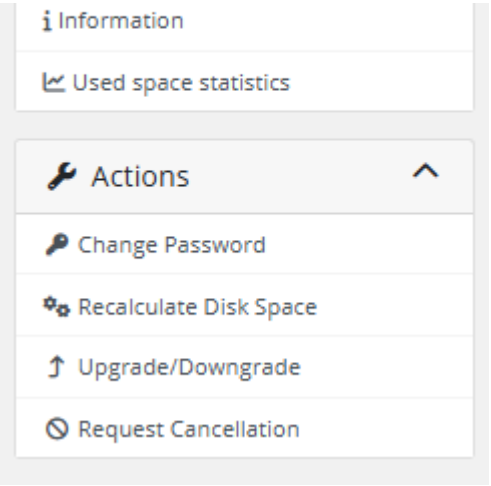
Screenshots

Client area — Home screen



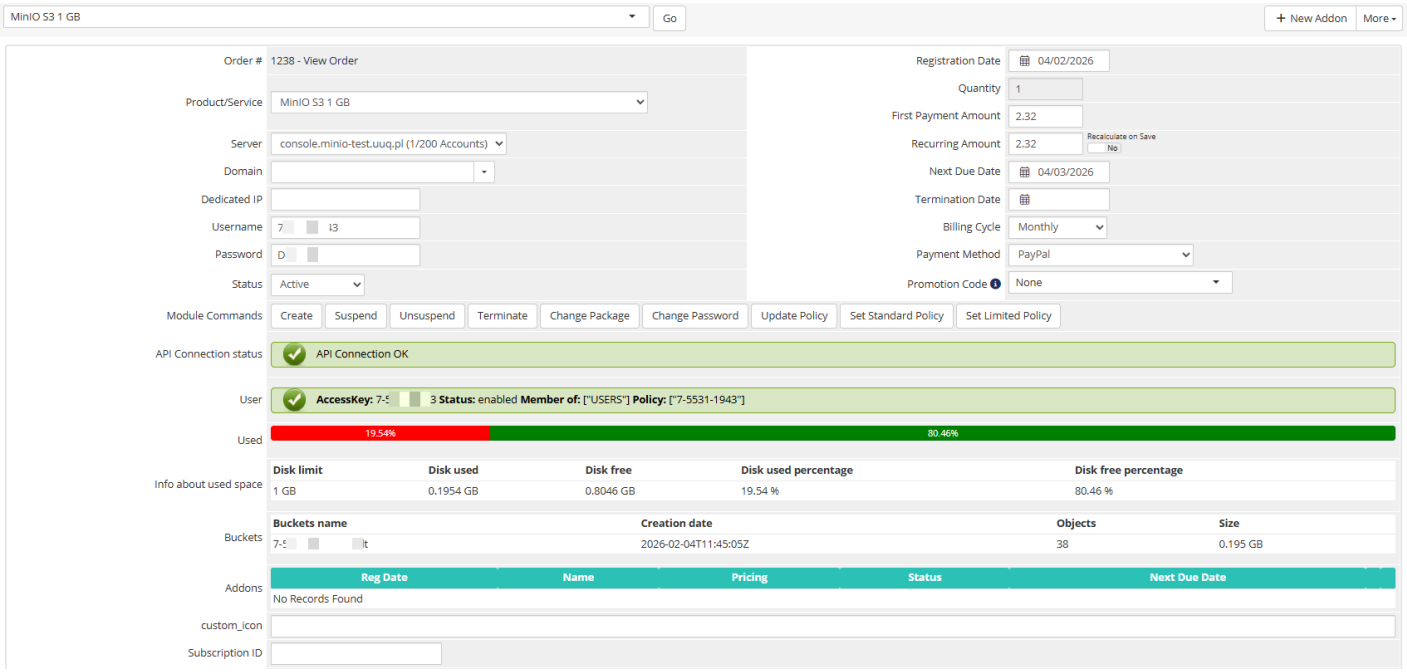
01-description-client-area.png

Client area — Disk statistics



02-description-disk-stats.png

Admin area — Product information



03-description-admin-area.png

Changelog

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v4.1.0 (30-09-2026)

- **Uninterrupted Daily Automation & Policy Sync.** Background usage synchronization and S3 policy updates now isolate errors on individual customer buckets with comprehensive logging in the WHMCS Module Log; temporary network or endpoint timeouts never disrupt other active accounts.
- **Zero-Touch Settings Auto-Migration.** Existing MinIO products configured with legacy parameters automatically migrate into the modern unified configuration slot (`configoption24`) directly in the database without requiring manual admin intervention.
- **Resilient UI Hooks & Error Isolation.** Client area product sidebars and dashboard licensing alerts are protected by error boundaries with automatic logging, ensuring admin and client pages always render cleanly.
- **Enhanced WHMCS 9 Select2 UX.** Refined dynamic module settings detection to provide responsive and fluid configuration switching in WHMCS 9.
- **Clean Module Logging.** Excluded local database license verification checks (`License_Verification (db)`) from the WHMCS Module Log, recording exclusively online verification calls to keep diagnostic logs clean.

---

v4.0.1 (28-09-2026)

- **Fixed:** Fatal `TypeError` in `apiCurl()` when MinIO server is unreachable or request times out during `UpdateServerUsage` / `apiUpdatePolicy()`
- **Fixed:** Protected `UsageUpdate` cron task with try-catch isolation and comprehensive logging in WHMCS Module Log
- **Fixed:** Replaced unsafe `exit()` calls with exceptions to prevent termination of the WHMCS daily automation process
- **Improved:** PHP 7.4–8.4 compatibility across module settings and helpers (resolved `str_starts_with`

, `str_ends_with`, `str_contains`, union types, and nullsafe operators)
- **Improved:** Detailed logging for MinIO API authentication and connection failures

---

v4.0.0 (02-09-2026)

- Full compatibility with WHMCS 8.x and WHMCS 9+
- Universal **ionCube Loader v15** support for seamless encoding compatibility
- Modernized administrative product settings interface with dynamic injection and enhanced stability
- Improved client area responsiveness for bucket and storage management
- Enhanced API communication reliability and performance optimizations

---

v3.1 (01-03-2026)

- Added null coalescing checks for all array and superglobal accesses to prevent "Undefined array key" warnings
- Added null-safe operators for object property access where object can be null
- Fixed type safety for typed class properties (preventing `TypeError` on null assignment)
- Added boundary checks for empty database query results

---

v3.0 (25-01-2025)

- Support for WHMCS 9+
- Product module settings have been redesigned
- Updated client area interface design

> **Note:** Product reconfiguration is required after update.

---

v2.0 (23-09-2024)

- Module coded with ionCube v15

- Supported PHP versions: 7.4, 8.1, 8.2
- Compatible with WHMCS 8.11.0+

---

v1.9.1 (13-08-2024)

- Fixed bug with password, when "Show password" is "no"

---

v1.9 (26-06-2024)

- Adapted to MinIO version RELEASE.2024-06-26T01-06-18Z

> **Note:** Module will not work with versions lower than this.

---

v1.8 (06-06-2024)

- Client area more adapted for mobile version
- Buttons for copying login and password added to client area

---

v1.7 (16-05-2024)

- User blocking disabled after limit reached
- Policy switches to "Raw policy Disk limit" when exhausted
- Added functional buttons and policy management in admin area
- Added Recalculate Disk Space button for clients

> **Note:** Need to insert "Raw policy Disk limit" in product settings.

---

v1.6 (21-12-2023)

Fixed Issues:

- Bug preventing policy deletion when account deleted
- Improved API error logging

New Features:

- Disable bucket creation by default
- Set default bucket suffix
- Disable password display by default
- "Show" button for passwords
- Plain text password display options

> **Note:** Save 'Module Setting' in products.

---

v1.5 (18-12-2023)

- Support MinIO RELEASE.2023-12-14T18-51-57Z
- Minor client area changes

---

v1.4 (11-10-2023)

- Support MinIO RELEASE.2023-10-07T15-07-38Z
- 25 language translations added (Arabic, Azerbaijani, Catalan, Chinese, Croatian, Czech, Danish, Dutch, English, Estonian, Farsi, French, German, Hebrew, Hungarian, Italian, Macedonian, Norwegian, Polish, Romanian, Russian, Spanish, Swedish, Turkish, Ukrainian)

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v1.3 (08-09-2023)

- Support MinIO RELEASE.2023-09-07T02-05-02Z

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v1.2 (05-03-2023)

- Support PHP 8.1 and PHP 7.4
- Support MinIO RELEASE.2023-02-22T18-23-45Z
- Template changes with icons added
- API timeout set to 30

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v1.1 (22-02-2023)

- Support WHMCS V8.6
- Support PHP 8.1 (Loader v12) and PHP 7.4
- Template changes
- Service settings email template changed to dropdown
- Translations added: German, Ukrainian
- Updated deletion mechanism for objects, buckets, and users

---

v1.0 (01-08-2022)

- First release

Installation and Configuration Guide

Step-by-step instructions for installing, configuring, and setting up the MinIO S3 WHMCS module, including MinIO server preparation, WHMCS integration, email templates, and product configuration.

WHMCS Installation and Update

MinIO S3 module **WHMCS**

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System requirements

Requirement	Minimum / Supported Version
WHMCS	8.x+, 9.x+.
PHP	7.4, 8.1, 8.2, 8.3, 8.4
ionCube Loader	v15+
MinIO Server	`RELEASE.2025-04-22T22:12:26Z` or lower

> [!IMPORTANT] **MinIO Server Version:** The module works exclusively with MinIO server version `RELEASE.2025-04-22T22:12:26Z` or lower. Versions newer than this release are not supported.
>
> **ionCube Loader:** The module uses ionCube encoding. Make sure ionCube Loader is installed and active on your server.

Download

> **Note:** The module now uses **ionCube 15**, which provides universal out-of-the-box support for all encodings across modern PHP runtimes.
>
> All versions can be found at this link:
> https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-MinIO-S3/
>
> Older module versions for WHMCS 8 are available in the archive directory:
> https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-MinIO-S3/archive/

1. Download the latest version of the module directly to your server:

```
wget https://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-MinIO-S3/PUQ_WHMCS-MinIO-S3-latest.zip
```

2. Unzip the archive:

```
unzip PUQ_WHMCS-MinIO-S3-latest.zip
```

Installation

Upload files

Copy the `puqMinIOS3` directory from the extracted archive to the WHMCS servers module directory:

```
cp -r puqMinIOS3 /path/to/whmcs/modules/servers/
```

Or target path:

```
WHMCS_WEB_DIR/modules/servers/puqMinIOS3
```

Once the files are uploaded, proceed to the configuration chapter to set up your server and product.

Update

The update procedure is the same as installation — replace the existing files with the new version:

1. Download the latest version as described in the Download section.
2. Unzip the archive.
3. Replace the existing `WHMCS_WEB_DIR/modules/servers/puqMinIOS3` directory with the new one.
4. Verify the version number in the module interface matches the new release.

Setup guide: MinIO S3 setup

Section 1 — Installing and configuring the MinIO server

> [!IMPORTANT] **Supported MinIO Version:** The module works exclusively with MinIO server version `RELEASE.2025-04-22T22:12:26Z` or lower.

Update packages and download the compatible MinIO binary:

```
sudo apt update
# Download the supported release (RELEASE.2025-04-22T22-12-26Z):
wget https://dl.min.io/server/minio/release/linux-amd64/archive/minio.RELEASE.2025-04-22T22-12-26Z -O minio
```

Install the binary and set up the MinIO user:

```
sudo chmod +x minio
sudo mv minio /usr/local/bin
sudo useradd -r minio-user -s /sbin/nologin
sudo chown minio-user:minio-user /usr/local/bin/minio
sudo mkdir /usr/local/share/minio
sudo chown minio-user:minio-user /usr/local/share/minio
sudo mkdir /etc/minio
sudo chown minio-user:minio-user /etc/minio
```

Create the environment configuration file `/etc/default/minio`:

```
MINIO_ACCESS_KEY="minio"
MINIO_VOLUMES="/usr/local/share/minio/"
MINIO_OPTS="-C /etc/minio --address :9000 --console-address :9001"
MINIO_SECRET_KEY="miniostorage"
```

Section 2 — Installing the Systemd MinIO startup script

Create the service file `/etc/systemd/system/minio.service`:

```
[Unit]
Description=MinIO
Documentation=https://docs.min.io
Wants=network-online.target
After=network-online.target
AssertFileIsExecutable=/usr/local/bin/minio

[Service]
WorkingDirectory=/usr/local/

User=minio-user
Group=minio-user

EnvironmentFile=/etc/default/minio
ExecStartPre=/bin/bash -c "if [ -z \"${MINIO_VOLUMES}\" ]; then echo \"Variable MINIO_VOLUMES
not set in /etc/default/minio\"; exit 1; fi"

ExecStart=/usr/local/bin/minio server $MINIO_OPTS $MINIO_VOLUMES

Restart=always

LimitNOFILE=65536

TimeoutStopSec=infinity
SendSIGKILL=no
```

```
[Install]
WantedBy=multi-user.target
```

Section 3 — Starting the MinIO Server

```
sudo systemctl daemon-reload
sudo systemctl enable minio
sudo systemctl start minio
sudo systemctl status minio
```

Section 4 — Securing Access to MinIO Server with Let's Encrypt SSL/TLS Certificate

Install certbot and nginx:

```
sudo apt update
sudo apt install certbot nginx python3-certbot-nginx -y
```

Create the nginx configuration file `/etc/nginx/sites-enabled/minio`:

```
server {
        listen 80 default_server;
        server_name yourdomain.com;
        return 301 https://$host$request_uri;
}

server {
        listen 443 ssl http2;
        server_name yourdomain.com;
```

```
        ssl_certificate /etc/letsencrypt/live/yourdomain.com/fullchain.pem;
        ssl_certificate_key /etc/letsencrypt/live/yourdomain.com/privkey.pem;
        ssl_trusted_certificate /etc/letsencrypt/live/yourdomain.com/cert.pem;

        ssl_session_timeout 20m;
        ssl_ciphers ECDHE-RSA-AES128-GCM-
SHA256:ECDHE:ECDH:AES:HIGH:!NULL:!aNULL:!MD5:!ADH:!RC4;
        ssl_protocols TLSv1 TLSv1.1 TLSv1.2;
        ssl_prefer_server_ciphers on;
        ssl_verify_client off;

        ignore_invalid_headers off;

        client_max_body_size 0;

        proxy_buffering off;

        location / {
                proxy_set_header X-Real-IP $remote_addr;
                proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
                proxy_set_header X-Forwarded-Proto $scheme;
                proxy_set_header Host $http_host;

                proxy_connect_timeout 300;
                proxy_http_version 1.1;
                proxy_set_header Connection "";
                chunked_transfer_encoding off;

                proxy_pass http://localhost:9001;
        }
}
```

Remove the default nginx config and generate SSL certificate:

```
rm /etc/nginx/sites-enabled/default
sudo certbot --nginx -d yourdomain.com
sudo service nginx restart
```

Add certificate auto-renewal to crontab:

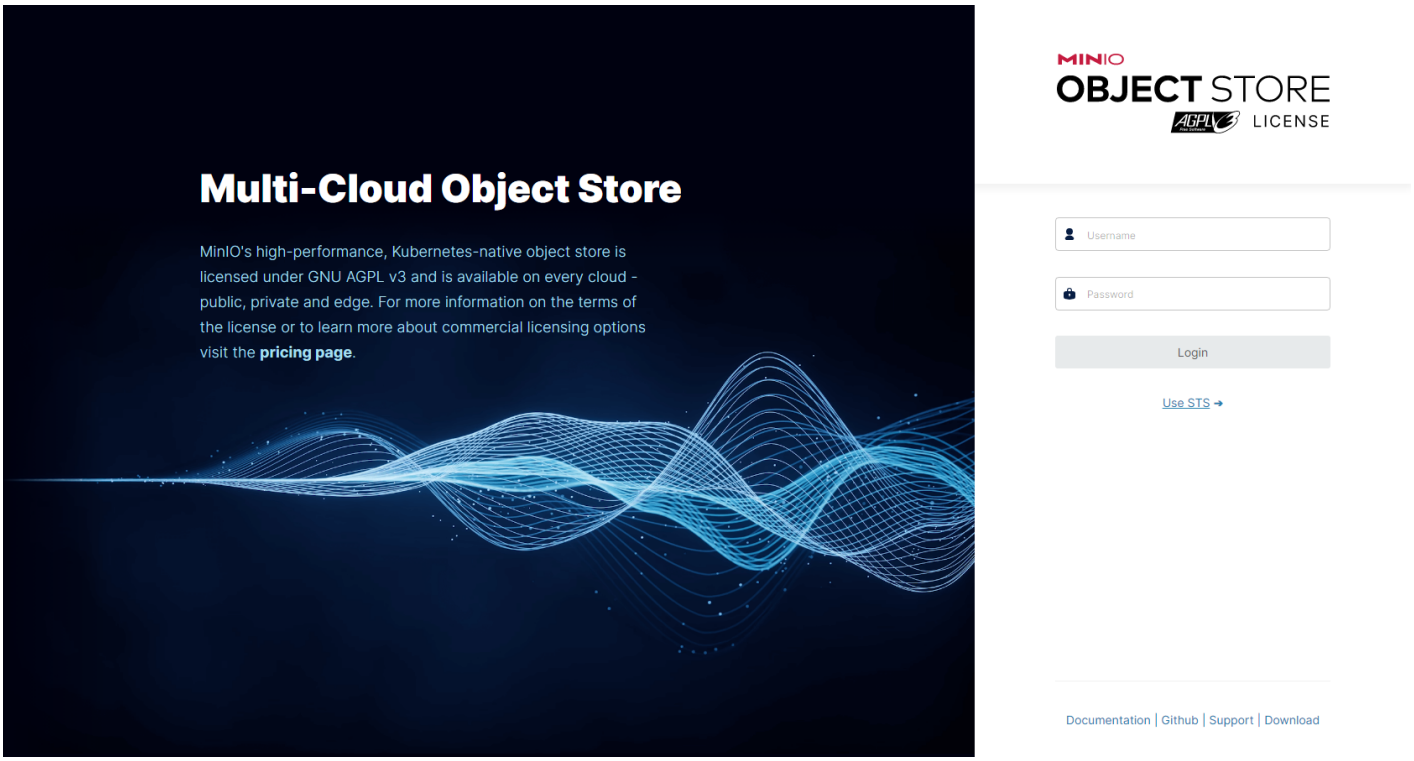
```
```

```
0 12 * * * /usr/bin/certbot renew --quiet
```

Default Login Credentials

After installation, you can access the MinIO console at `https://yourdomain.com`:

- **Username:** `minio`
- **Password:** `miniostorage`



04-minio-setup.png

Setup guide: WHMCS setup

MinIO S3 module **WHMCS**

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Step 1 — Add server in WHMCS

Create a new MinIO S3 server in WHMCS:

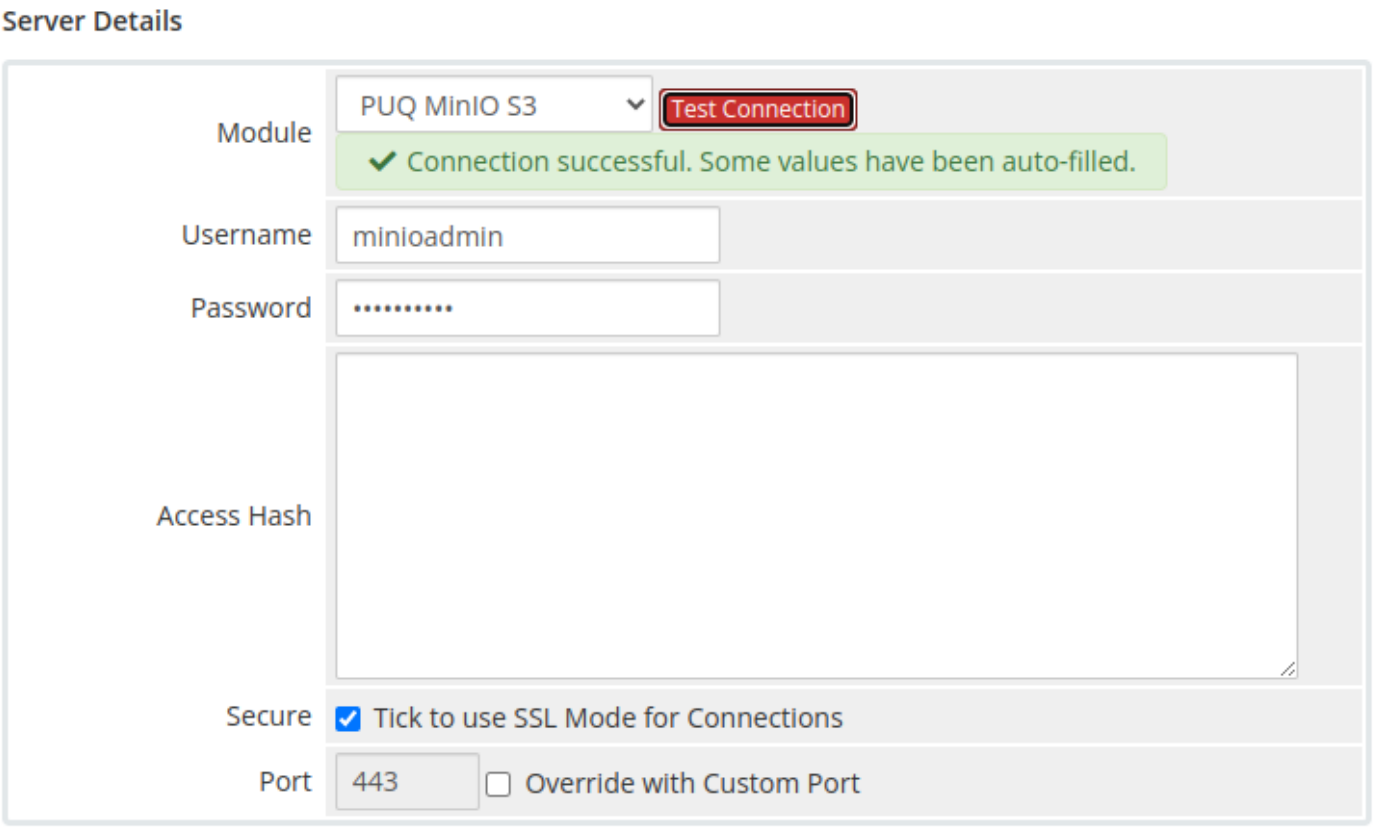
Navigate to: **System Settings → Products/Services → Servers**

1. Click **Add New Server**
2. Enter the correct **Name** and **Hostname**
3. In the **Server Details** section, select the **PUQ MinIO S3** module and enter the correct username and password for the MinIO web interface
4. Click the **Test connection** button to verify

Edit Server

Name	s3minio-[redacted].com
Hostname	s3minio-[redacted].com
IP Address	
Assigned IP Addresses (One per line)	
Monthly Cost	0.00
Datacenter/NOC	
Maximum No. of Accounts	200
Server Status Address	To display this server on the server status page, enter the full path to the server status folder (required to be uploaded to each server you want to monitor) - eg. https://www.example.com/status/
Enable/Disable	☐ Tick to disable this server

05-add-server-1.png



06-add-server-2.png

Step 2 — Create Product

Navigate to: **System Settings → Products/Services → Create a New Product**

In the **Module Settings** section, select the **PUQ MinIO S3** module and configure the product options.

Edit Server

Name	s3minio-[redacted].com
Hostname	s3minio-[redacted].com
IP Address	
Assigned IP Addresses (One per line)	
Monthly Cost	0.00
Datacenter/NOC	
Maximum No. of Accounts	200
Server Status Address	To display this server on the server status page, enter the full path to the server status folder (required to be uploaded to each server you want to monitor) - eg. https://www.example.com/status/
Enable/Disable	☐ Tick to disable this server

05-add-server-1.png

Email Template (puqMinIOS3 Notification disk limit)

Create an email template for customer notifications when disk usage approaches the limit.

Navigate to: **System Settings → Email Templates → Create New Email Template**

Template configuration

Parameter	Value
Email Type	Product/service
Unique Name	`puqMinIOS3 Notification disk limit`

Email Subject

```
Disk space usage {$disk_used_percentage} % - {$username}
```

Email Body

```
Dear {$client_name},

This letter informs you that the disk space usage limit is coming to an end.
```

```
Product/Service: {$service_product_name}
Due Date: {$service_next_due_date}

Username: {$username}

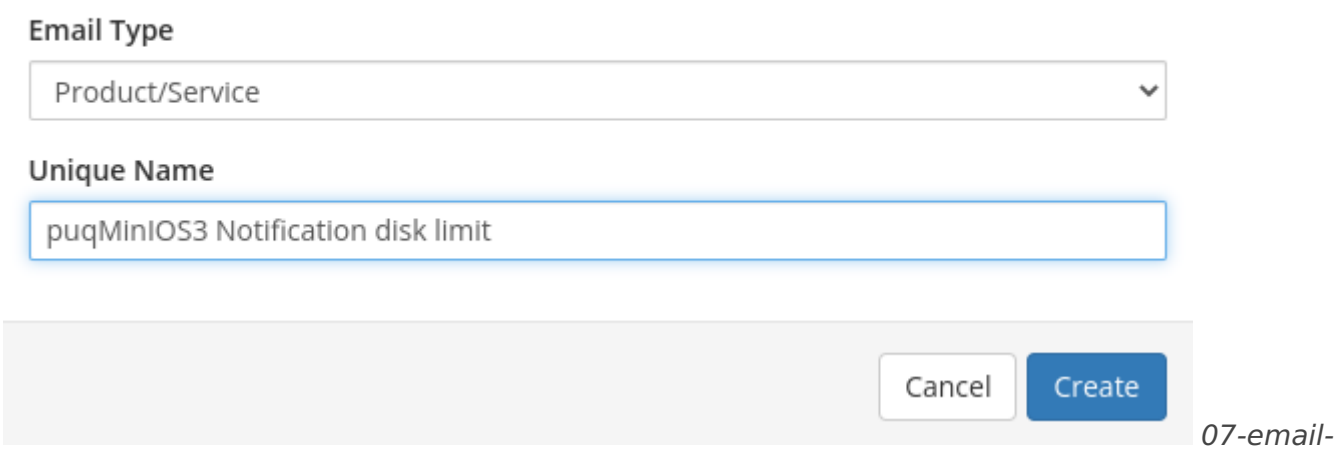
Disk limit: {$disk_limit_bytes*$unit_coefficient} {$unit}
Disk used: {$disk_used_unit} {$unit} ({$disk_used_percentage} %)
Disk free: {$disk_free_unit} {$unit} ({$disk_free_percentage} %)

{$signature}
```

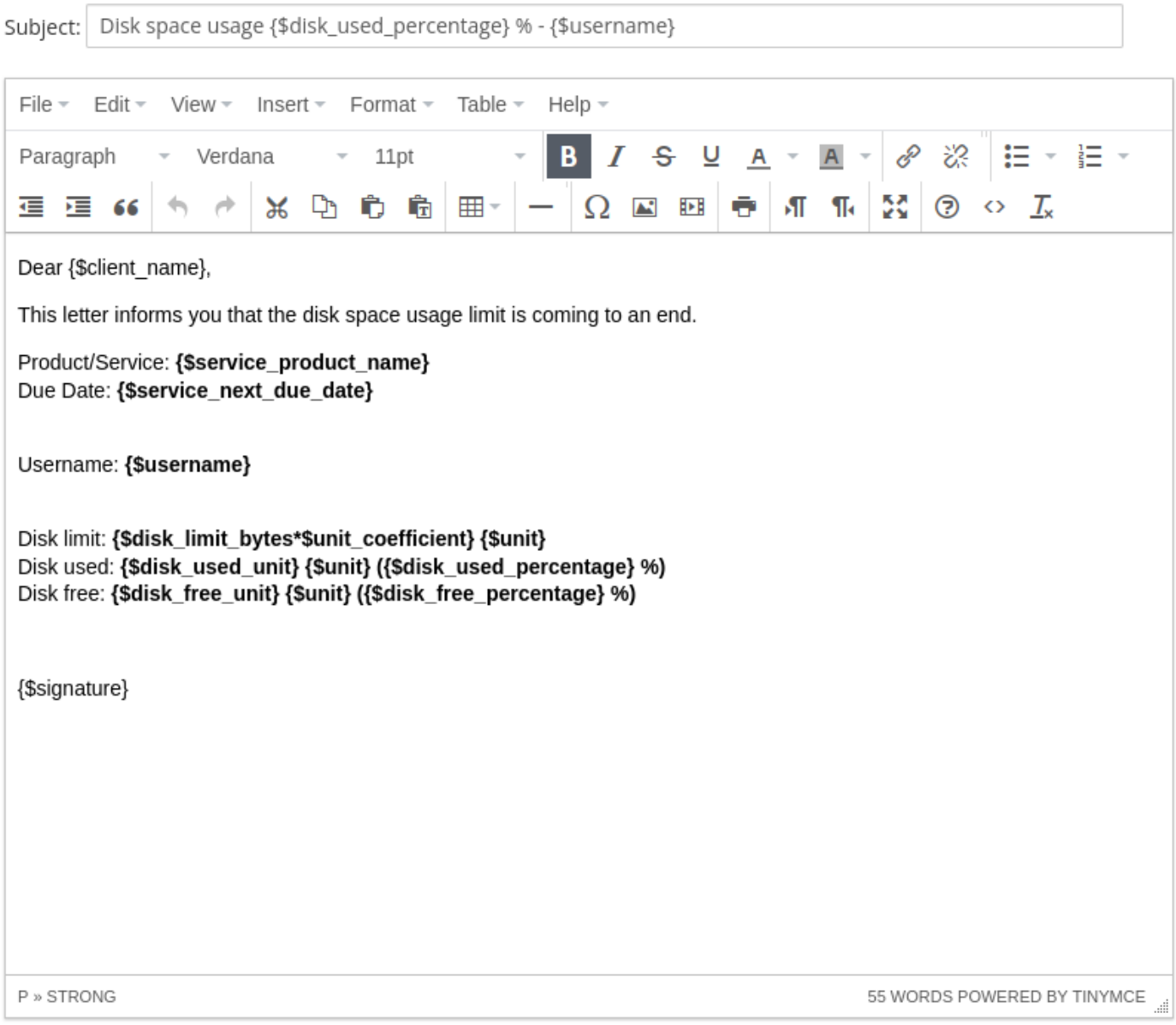
Available template variables

Variable	Description
`{$username}`	MinIO S3 account username
`{$disk_limit_bytes*$unit_coefficient}`	Total disk space limit
`{$disk_used_unit}`	Used disk space
`{$disk_free_unit}`	Free disk space
`{$disk_used_percentage}`	Used disk space percentage
`{$disk_free_percentage}`	Free disk space percentage
`{$unit}`	Disk space unit (MB, GB, TB, PB)

> **Note:** Standard WHMCS merge fields are also available in this template.



07-email-template-1.png



08-email-template-2.png

Email Template (puqMinIOS3 service Suspension Notification disk limit)

Create an email template for customer notifications when the S3 account is suspended due to exceeding the disk limit.

Navigate to: **System Settings → Email Templates → Create New Email Template**

Template configuration

Parameter	Value
Email Type	Product/service
Unique Name	`puqMinIOS3 service Suspension Notification disk limit`

Email Subject

```
Suspension Information - {$username}
```

Email Body

```
```

```
Dear {$client_name},

This email informs you that the S3 account has been disabled due to running out of free space.

It is also possible to upgrade to a package with more space.

Product/Service: {$service_product_name}
Due Date: {$service_next_due_date}

Username: {$username}

Disk limit: {$disk_limit_bytes*$unit_coefficient} {$unit}
Disk used: {$disk_used_unit} {$unit} ({$disk_used_percentage} %)
Disk free: {$disk_free_unit} {$unit} ({$disk_free_percentage} %)

{$signature}
```

Available template variables

Variable	Description
`{$username}`	MinIO S3 account username
`{$disk_limit_bytes*$unit_coefficient}`	Total disk space limit
`{$disk_used_unit}`	Used disk space
`{$disk_free_unit}`	Free disk space
`{$disk_used_percentage}`	Used disk space percentage
`{$disk_free_percentage}`	Free disk space percentage
`{$unit}`	Disk space unit (MB, GB, TB, PB)

> **Note:** Standard WHMCS merge fields are also available in this template.

Email Type

Product/Service

Unique Name

puqMinIOS3 service Suspension Notification disk limit

Cancel Create

09-email-template-suspension-1.png

Subject: Suspension Information - {$username}

File Edit View Insert Format Table Help

Paragraph Verdana 11pt

Dear {$client_name},

This email informs you that the S3 account has been disabled due to running out of free space.

It is also possible to upgrade to a package with more space.

Product/Service: **{$service_product_name}**
Due Date: **{$service_next_due_date}**

Username: **{$username}**

Disk limit: **{$disk_limit_bytes*$unit_coefficient} {$unit}**
Disk used: **{$disk_used_unit} {$unit} ({$disk_used_percentage} %)**
Disk free: **{$disk_free_unit} {$unit} ({$disk_free_percentage} %)**

{$signature}

P 70 WORDS POWERED BY TINYMCE

10-email-template-suspension-2.png

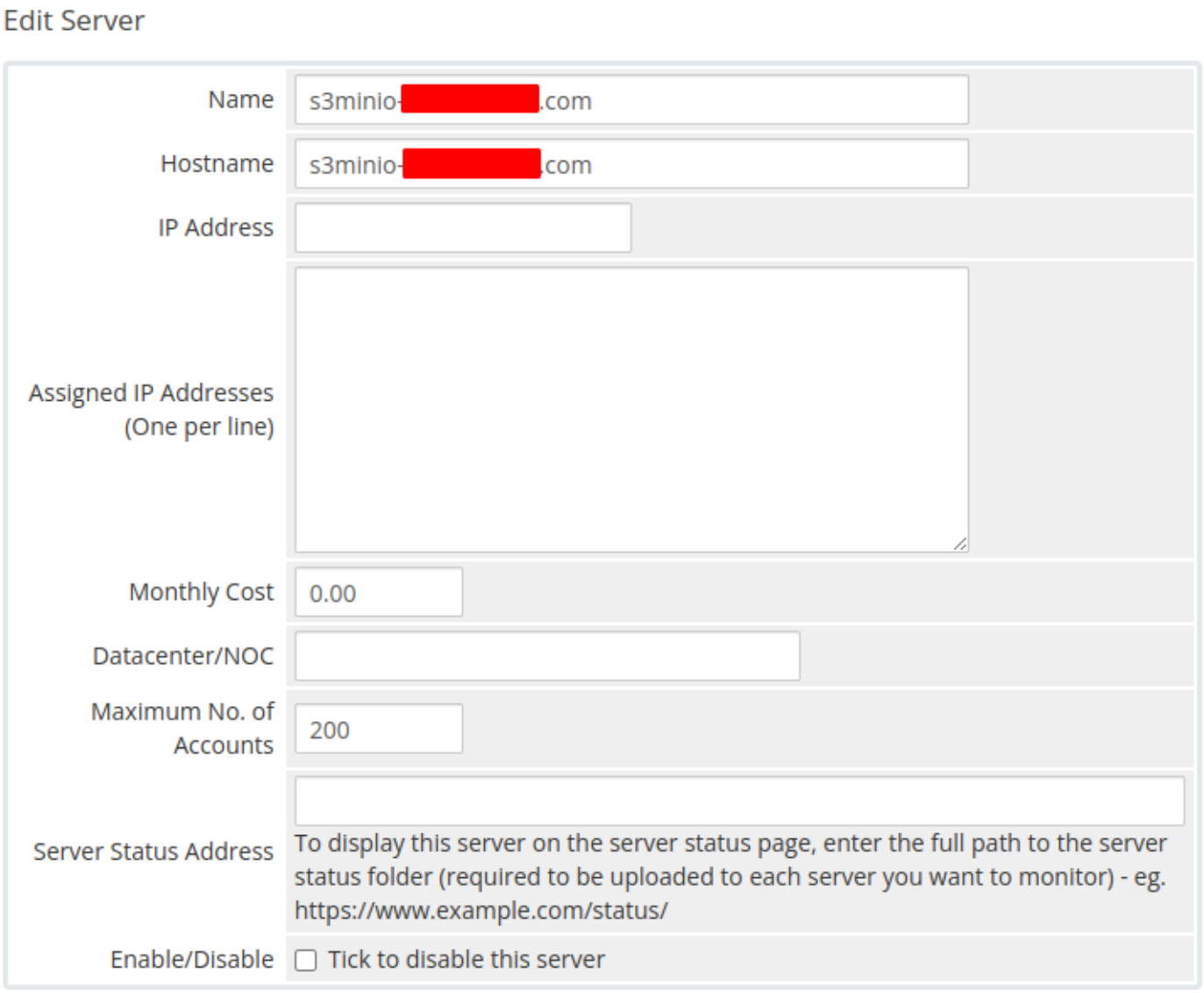
Add server (MinIO S3)

Add a new server to the system WHMCS

Navigate to: **System Settings → Servers → Add New Server**

Step 1 — General settings

Enter the correct **Name** and **Hostname** for your MinIO S3 server.

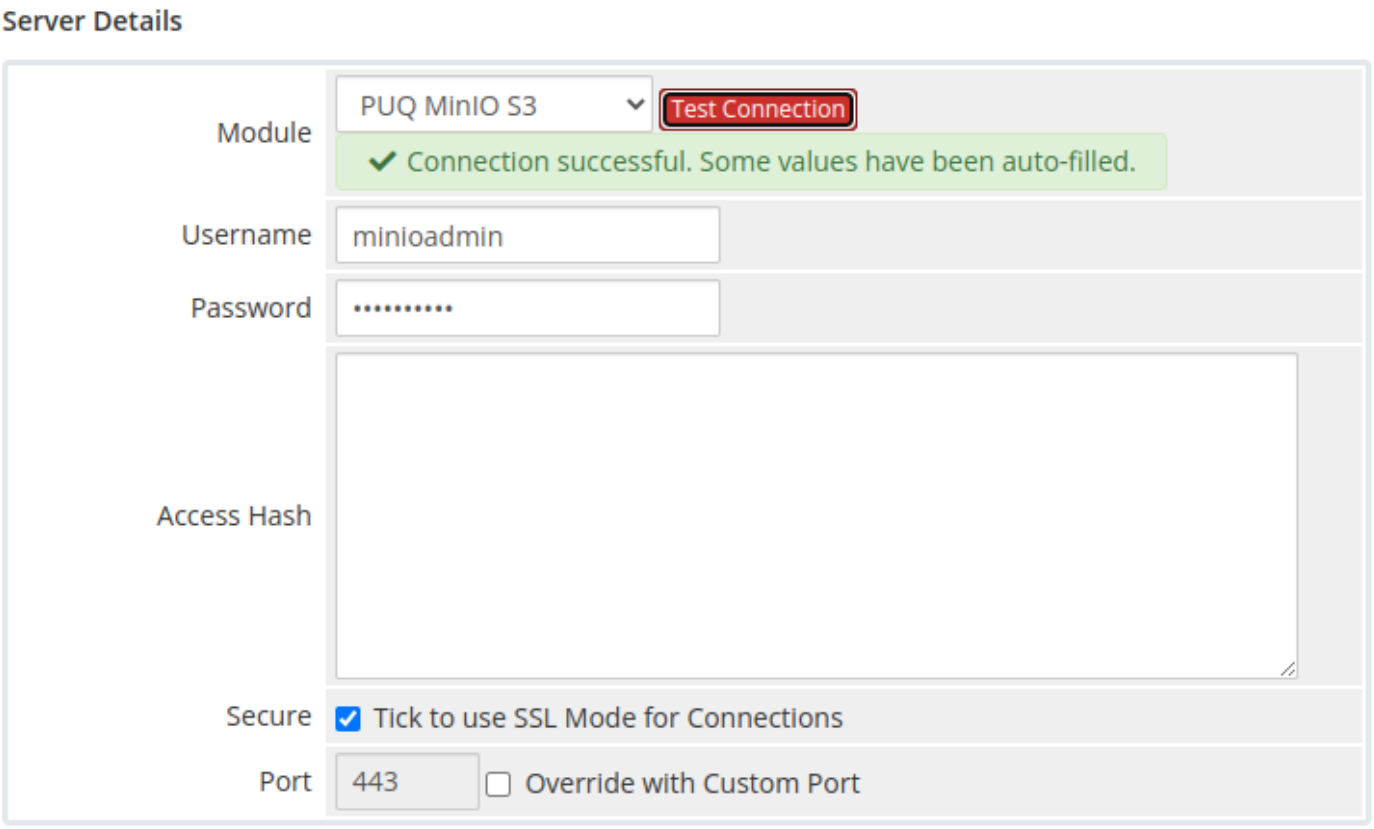


05-add-server-1.png

Step 2 — Module settings

In the **Server Details** section:

1. Select the **PUQ MinIO S3** module
2. Enter the correct **username** and **password** for the MinIO web interface
3. Click the **Test connection** button to verify the connection



06-add-server-2.png

> **Note:** The MinIO user must have administrator privileges to manage users, policies, and buckets via the API.

Product Configuration

Add new product to WHMCS

Navigate to: **System Settings → Products/Services → Create a New Product**

In the **Module Settings** section, select the **PUQ MinIO S3** module.

Configuration parameters

Parameter	Description
License key	A pre-purchased license key for the PUQ MinIO S3 module. For the module to work correctly, the key must be active
Unit	Packet disk space units (MB, GB, TB, PB)
Disk space size	Disk size in this product (set to 0 for unlimited)
Notification disk limit email template	Email template that will be sent when the disk quota is exceeded in %
Notification, used disk space X %	Sets a percentage parameter (1-100, default 90), after exceeding this parameter a notification will be sent to the user
Group	The group that will be assigned to the user on the server side of the MinIO S3
Raw Policy	The policy that is assigned to the user during creation on the server
Suspend exceeding disk limit email template	The template of the letter that will be sent to the client if his disk limit is 100% or less 100%
Raw policy Disk limit	The policy that will be applied to the client when the client runs out of space
Save usage history (days)	The number of days it takes to save user disk usage statistics
Link to instruction	Link to the instruction, if filled out, it will be reflected in the client area

Parameter	Description
Default Bucket	Options to enable or disable the creation of a default bucket, and also set its prefix
Client Area	Client zone settings — show or not show the password in the client zone, type how to show the password

Username rule

Default: `{client_id}-{service_id}`

Macro	Description
`{client_id}`	Client ID
`{service_id}`	Service ID
`{unixtime}`	Current Unix timestamp
`{date}`	Current date (YYYY-MM-DD)
`{time}`	Current time (HH-MM-SS)
`{random_digit_x}`	Random digit string of length x
`{random_letter_x}`	Random letter string of length x

Password rule

Default: `12:123456789QAZWSXEDCRFVTGBYHNUJMIKqazwsxedcrfvtgbyhnujmikolp`

Format: `length:charset` — where length is the password length and charset is the set of characters to use.

Raw Policy (Standard)

The policy that is assigned to the user during creation on the server:

```
{
    "Version": "2012-10-17",
```

```
    "Statement": [
        {
            "Effect": "Allow",
            "Action": [
                "admin:Heal",
                "admin:SetBucketTarget",
                "admin:TopLocksInfo",
                "admin:DataUsageInfo",
                "admin:GetBucketQuota",
                "admin:GetBucketTarget"
            ],
            "Resource": [
                "arn:aws:s3:::<USER_ID>*"
            ]
        },
        {
            "Effect": "Allow",
            "Action": [
                "s3:*"
            ],
            "Resource": [
                "arn:aws:s3:::<USER_ID>*"
            ]
        }
    ]
}
```

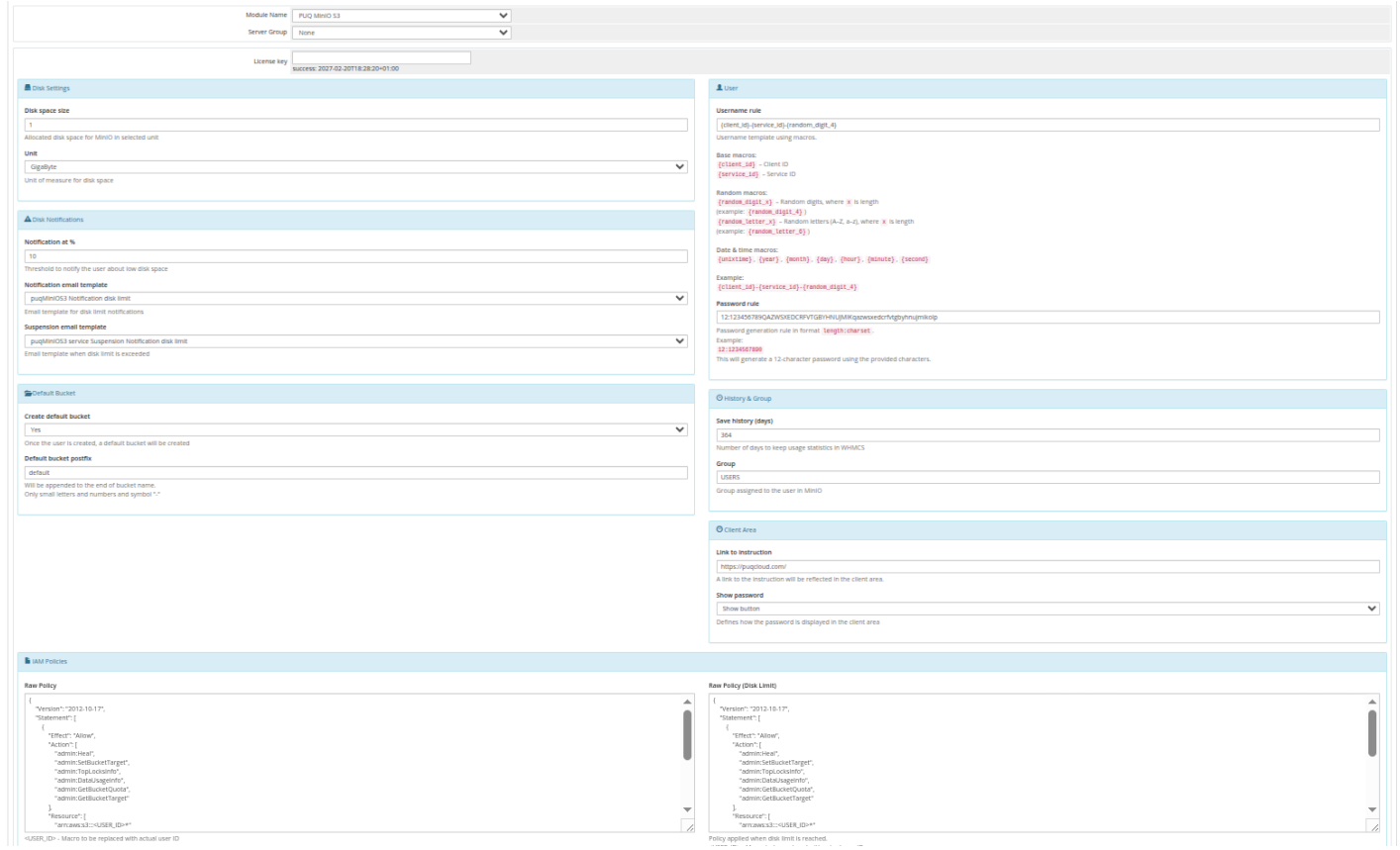
Raw Policy Disk Limit

The policy that will be applied to the client when the client runs out of space:

```
{
    "Version": "2012-10-17",
    "Statement": [
        {
            "Effect": "Allow",
            "Action": [
```

```
                "admin:Heal",
                "admin:SetBucketTarget",
                "admin:TopLocksInfo",
                "admin:DataUsageInfo",
                "admin:GetBucketQuota",
                "admin:GetBucketTarget"
            ],
            "Resource": [
                "arn:aws:s3:::<USER_ID>*"
            ]
        },
        {
            "Effect": "Allow",
            "Action": [
                "s3:GetObject",
                "s3:DeleteObject",
                "s3:ListBucket"
            ],
            "Resource": [
                "arn:aws:s3:::<USER_ID>*"
            ]
        }
    ]
}
```

> **Important:** Policy recalculation occurs once a day during the collection of server statistics (UpdateServerUsage).



11-product-configuration.png

Client Area

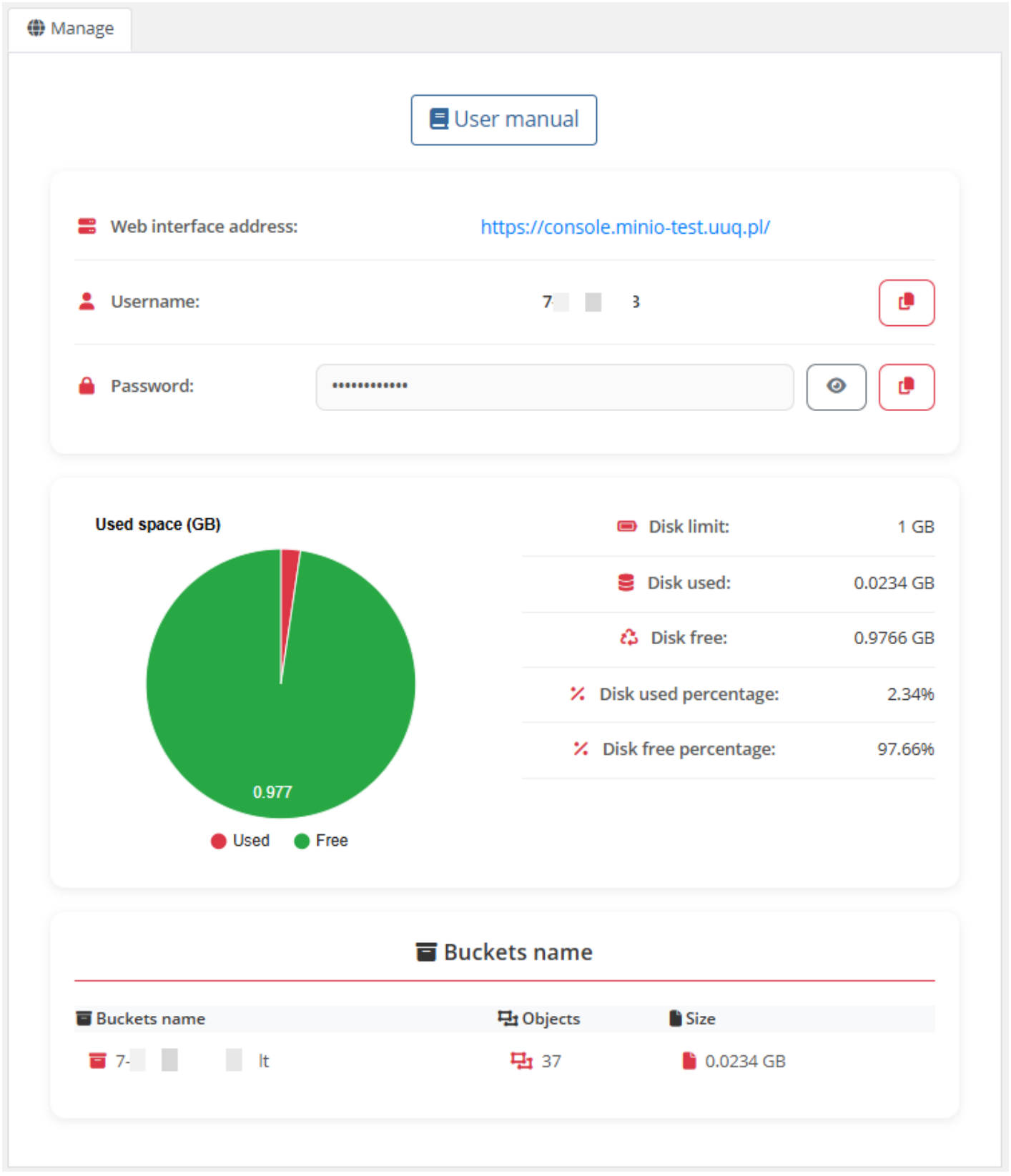
Overview of the client-facing features available in the MinIO S3 WHMCS module, including the home screen, email notifications, and disk usage statistics.

Home screen

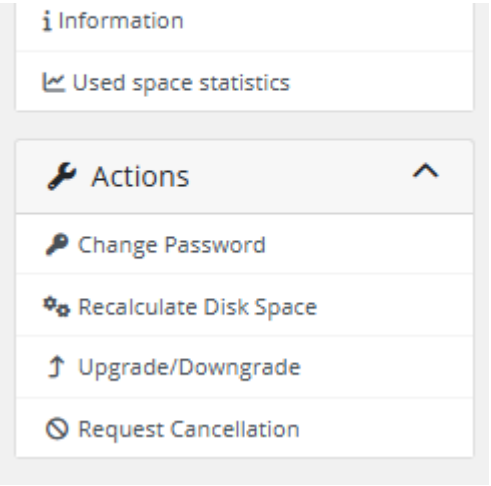
Screenshot when the account is in a normal state.

The end customer, after logging in to his own customer panel, has access to the following information and options:

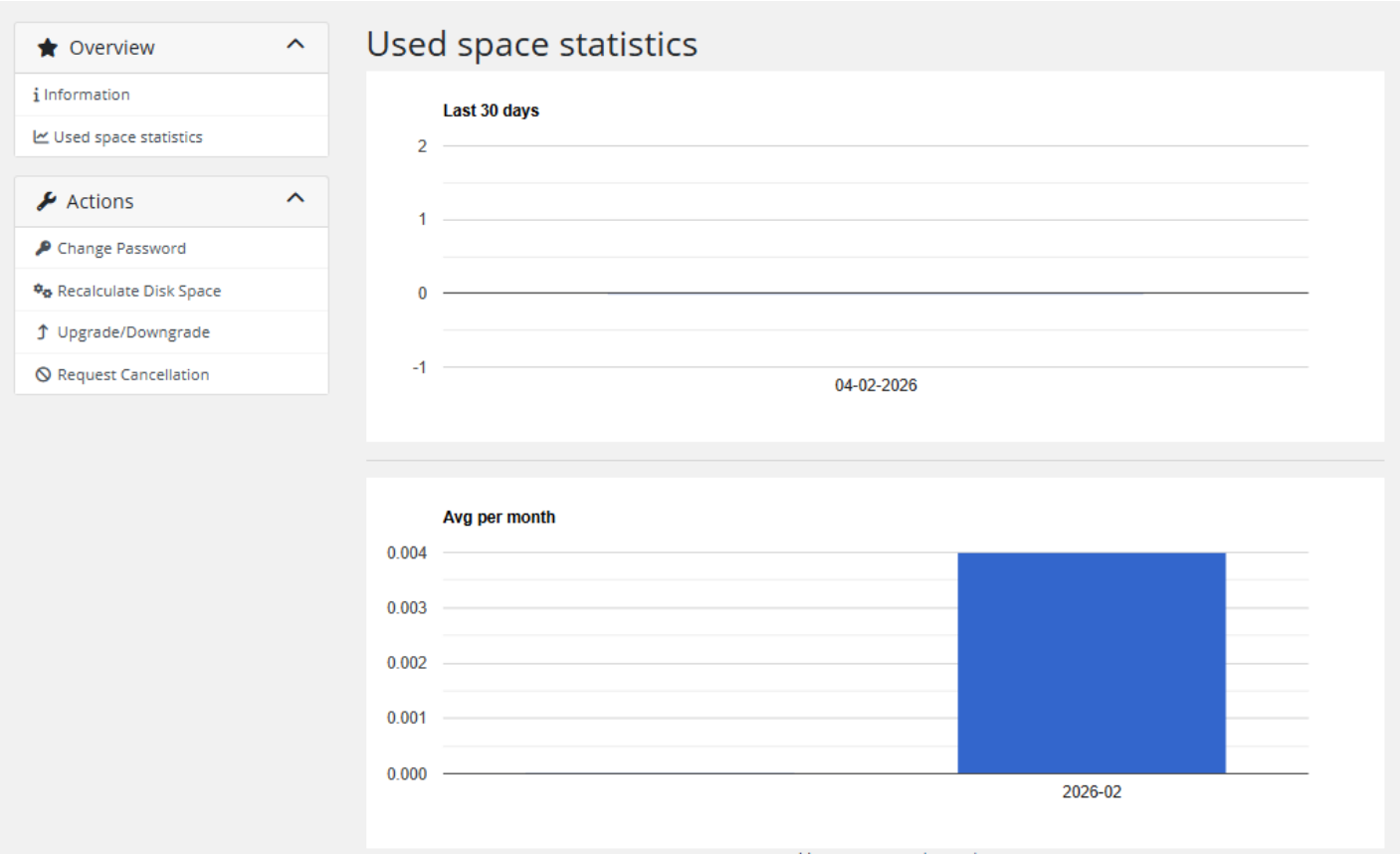
- Link to the user manual (which was defined by the administrator when setting up the service)
- MinIO server address
- Authorization data (username and password with copy buttons)
- Usage statistics graph
- Table with data on the use of the service
- Bucket Information



01-description-client-area.png



02-description-disk-stats.png



14-home-screen-3.png

Email notification

PUQ (dev)

Dear ruslan polovyi (TEST sp. z o. o.),

This letter informs you that the disk space usage limit is coming to an end.

Product/Service: **MinIOS3 10 GB**
Due Date: **18-08-2022**

Username: 333-1-4726-777

Disk limit: **10 GiB**
Disk used: **9.8724 GiB (98.72 %)**
Disk free: **0.1276 GiB (1.28 %)**

---
puq (dev)
[redacted]

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ically

15-email-notification.png

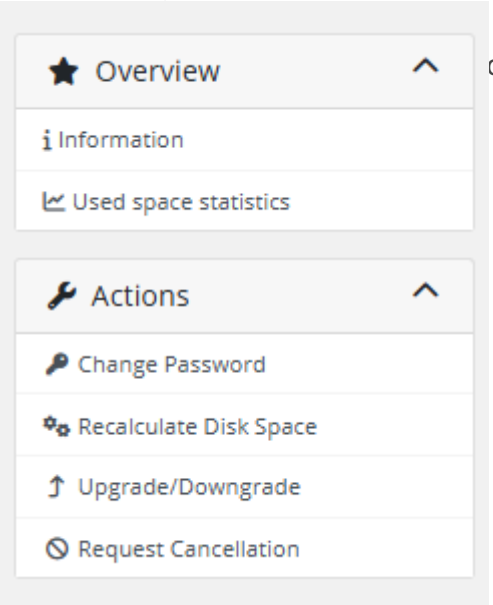
Client Area

Disk statistics

Client can check the data usage statistics in the menu item **Used space statistics**.

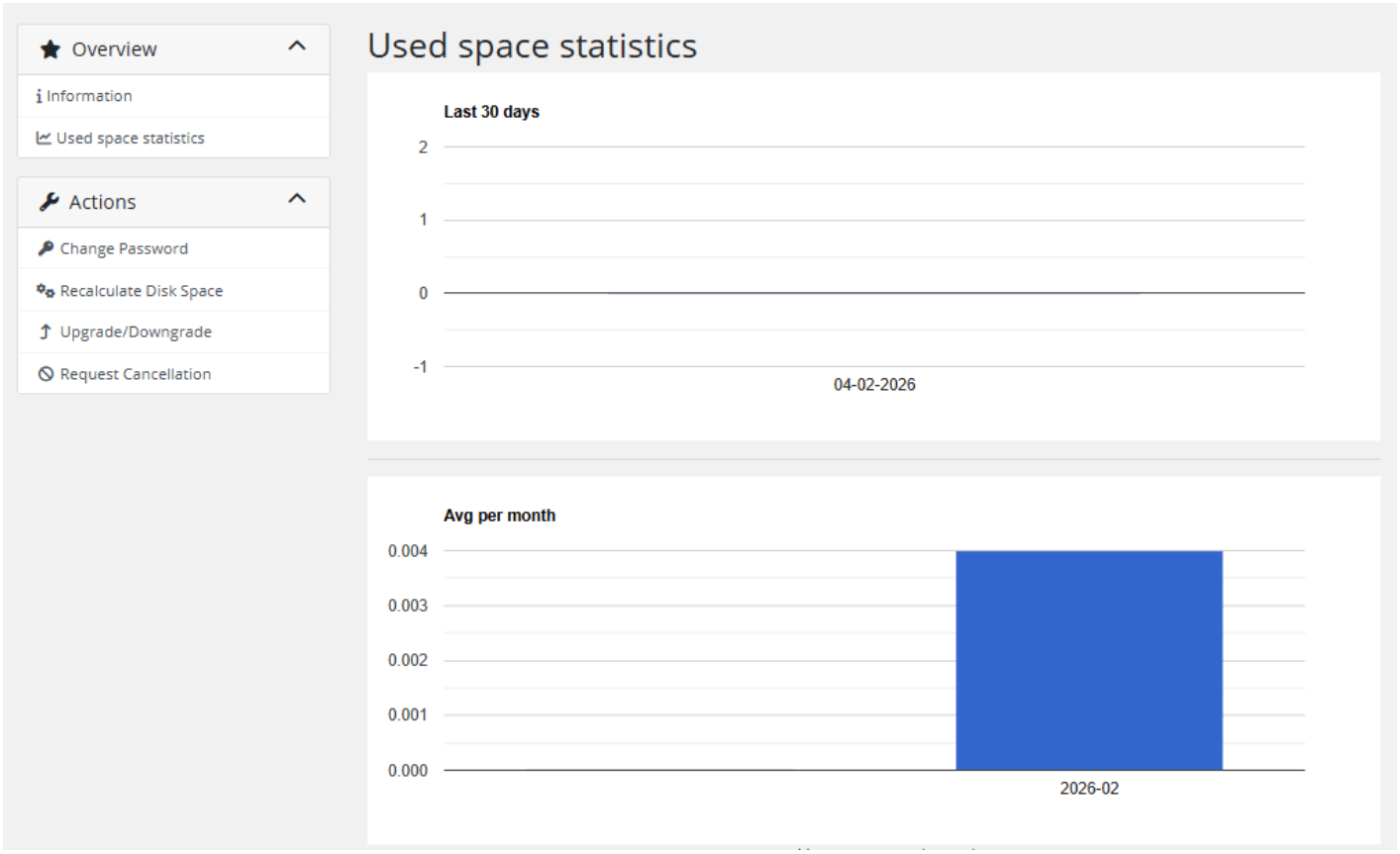
The statistics page displays disk usage data collected by the WHMCS cron and stored in the database:

- **Last 30 days chart** — daily disk usage displayed as a column chart
- **Average per month chart** — monthly average disk usage



ogle Charts.

02-description-disk-stats.png



14-home-screen-3.png

Admin Area

Administrative features and tools available in the WHMCS admin panel for managing MinIO S3 services.

Product Information

Here is the data presented for the service admin in WHMCS.

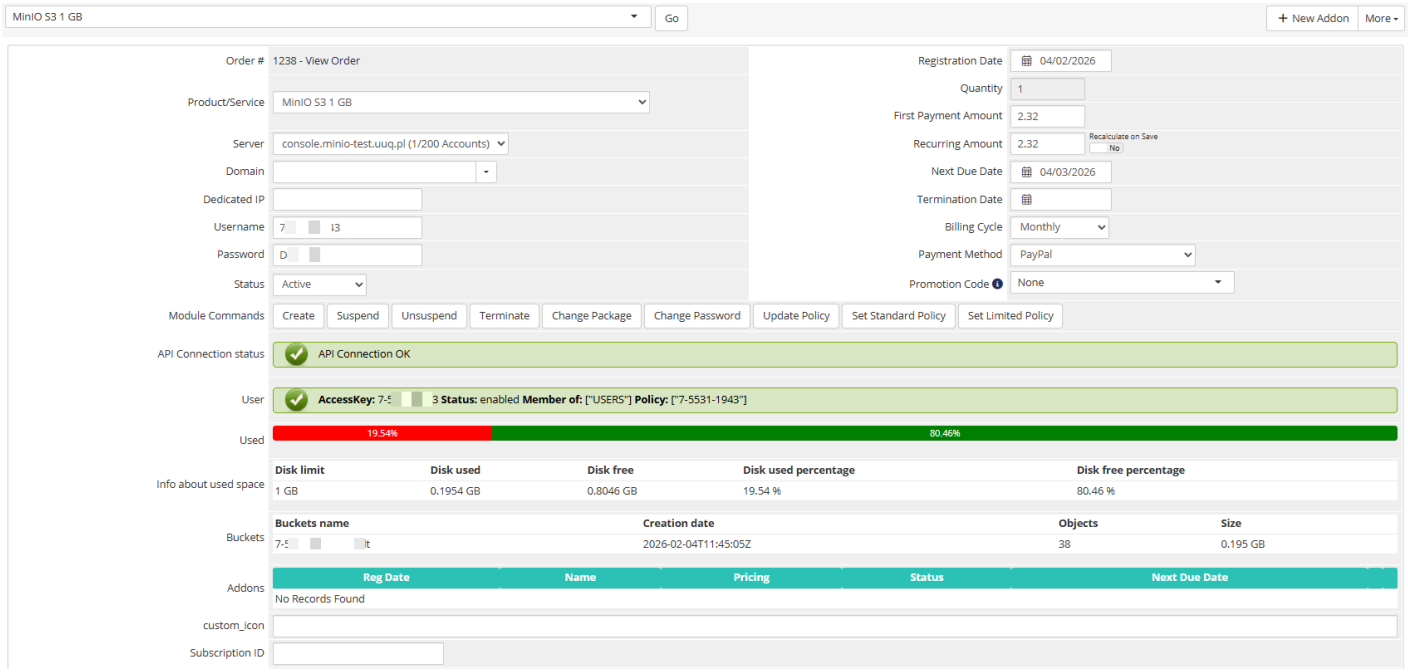
The admin area provides the following information and controls:

- **License verification status** — green/red indicator showing license validity
- **API connection status** — real-time test of the MinIO server connection
- **User information** — username, enabled status, group, and email
- **Disk usage** — visual progress bar with detailed usage table
- **Management actions** — Create, Suspend, Unsuspend, Terminate, Change Password, Change Package

Policy management

- **Update Policy** button — force the system to select and apply the necessary policy. If there is more than 0 free space on the disk, a permissive policy will be applied; if there is 0 free space on the disk, a restrictive policy will be applied.
- **Set Standard Policy** and **Set Limited Policy** buttons — enforce the application of the standard policy and the limited policy respectively.

> **Important:** Policy recalculation occurs once a day during the collection of server statistics (UpdateServerUsage).



03-description-admin-area.png