Pulse User Guide

Welcome to Pulse, your comprehensive uptime monitoring solution. This guide will help you get started and make the most of Pulse's features.

Getting Started

Logging In

1. Visit the Pulse homepage
2. Click "Sign In" in the top-right corner
3. You will be redirected to the Manus OAuth login page
4. Enter your credentials and authenticate
5. You will be redirected back to Pulse dashboard

Dashboard Overview

The dashboard provides a quick overview of your monitoring status:

- **Total Targets**: Number of services you're monitoring
- **Active Alerts**: Current alerts requiring attention
- **Average Uptime**: Overall uptime percentage across all targets
- **Response Time**: Average response time for all checks

Managing Monitoring Targets

Adding a New Target

1. Navigate to "Targets" in the sidebar
2. Click "Add Target" button

3. Fill in the target details:
4. **Target Name**: Descriptive name for your service
5. **URL**: Domain or IP address (without protocol)
6. **Protocol**: HTTP or HTTPS
7. **Method**: GET, POST, or HEAD
8. **Check Interval**: How often to check (in seconds)
9. **Timeout**: Maximum wait time for response (in seconds)
10. **Expected Status Code**: HTTP code indicating success (usually 200)
11. Click "Create Target"

Editing a Target

1. Go to "Targets"
2. Find the target you want to edit
3. Click the "Edit" button
4. Modify the settings
5. Click "Save Changes"

Deleting a Target

1. Go to "Targets"
2. Find the target to delete
3. Click the "Delete" button
4. Confirm the deletion

Testing a Target

1. Go to "Targets"
2. Click "Test" on the target you want to test
3. The system will perform an immediate health check
4. You'll see the result with response time and status

Viewing Target Details

1. Click on a target name in the targets list
2. You'll see:
3. **Configuration**: Current monitoring settings
4. **Recent Checks**: Last 24 hours of health checks
5. **Alert Rules**: Rules configured for this target

Understanding Check Results

Each check shows: - **Status**: ✓ Success or ✗ Failed - **Timestamp**: When the check was performed - **Response Time**: How long the request took (in milliseconds) - **Status Code**: HTTP response code received

Managing Alerts

Creating Alert Rules

1. Go to "Targets" and select a target
2. Click on the target to view details
3. Go to "Alert Rules" tab
4. Click "Create Rule"
5. Configure:
6. **Rule Name**: Descriptive name
7. **Rule Type**:
    - Consecutive Failures: Alert after N consecutive failed checks
    - Uptime Percentage: Alert if uptime drops below threshold
    - Response Time: Alert if response time exceeds threshold
8. **Threshold**: Number or percentage for the rule
9. **Notification Channels**: Select how to be notified (Email, Slack, Discord)
10. Click "Create Rule"

Managing Alert Rules

1. Go to "Targets" and select a target
2. View the "Alert Rules" tab
3. You can:
4. **Edit**: Modify rule settings
5. **Disable**: Temporarily disable without deleting
6. **Delete**: Permanently remove the rule

Viewing Alerts

1. Go to "Alerts" in the sidebar
2. You'll see:
3. **Active Alerts**: Alerts that need attention
4. **All Alerts**: Complete alert history

Alert Status

Alerts can have three statuses:

- **Triggered**: Alert just occurred, requires action
- **Acknowledged**: You've seen the alert but haven't resolved it
- **Resolved**: Issue has been fixed

Managing Individual Alerts

1. Go to "Alerts"
2. Click on an alert to view details
3. You can:
4. **Acknowledge**: Mark as seen
5. **Resolve**: Mark as fixed
6. **View History**: See when it was triggered and resolved

Notification Settings

Email Notifications

1. Go to "Settings"
2. Click "Notifications" tab
3. Toggle "Email Notifications" on/off
4. Your registered email will receive alerts

Slack Integration

1. Go to "Settings"
2. Click "Notifications" tab
3. Paste your Slack Webhook URL
4. Click "Save"

To get a Slack Webhook URL: 1. Go to your Slack workspace 2. Create an Incoming Webhook app 3. Copy the webhook URL 4. Paste it in Pulse settings

Discord Integration

1. Go to "Settings"
2. Click "Notifications" tab
3. Paste your Discord Webhook URL
4. Click "Save"

To get a Discord Webhook URL: 1. Go to your Discord server 2. Right-click a channel → Edit Channel 3. Go to Integrations → Webhooks 4. Click "New Webhook" 5. Copy the webhook URL 6. Paste it in Pulse settings

Understanding Analytics

Uptime Percentage

Uptime is calculated as:

```
Uptime % = (Successful Checks / Total Checks) × 100
```

Response Time

Average response time is the mean of all response times for checks in the period.

Statistics Periods

- **Daily**: Aggregated statistics for each day
- **Weekly**: Aggregated statistics for each week
- **Monthly**: Aggregated statistics for each month

Viewing Statistics

1. Click on a target
2. Go to the "Checks" tab
3. Scroll down to see historical data
4. Charts show trends over time

Account Settings

Profile Information

1. Go to "Settings"
2. Click "Account" tab
3. View your:
4. Name

5. Email
6. Role (User or Admin)
7. Member since date

Audit Log

1. Go to "Settings"
2. Click "Audit Log" tab
3. View all actions performed on your account
4. Includes:
5. Action type (Create, Update, Delete)
6. Entity affected
7. Timestamp

Logging Out

1. Go to "Settings"
2. Click "Account" tab
3. Click "Logout" button
4. You will be logged out and redirected to home page

Common Tasks

Setting Up Monitoring for a Website

1. Click "Add Target"
2. Enter your website URL
3. Set check interval to 60 seconds (1 minute)
4. Leave other settings as default
5. Click "Create Target"
6. Create an alert rule for consecutive failures

7. Configure notification channels

Responding to an Alert

1. Go to "Alerts"
2. Click on the active alert
3. Investigate the issue
4. Once fixed, click "Resolve"
5. The alert will be marked as resolved

Monitoring API Endpoint

1. Click "Add Target"
2. Enter API URL (e.g., api.example.com/health)
3. Set Method to "GET" (or POST if needed)
4. Set Expected Status Code to 200
5. Set check interval based on your needs
6. Create alert rules as needed

Checking Historical Data

1. Click on a target
2. Go to "Checks" tab
3. Scroll through recent checks
4. Click on a check to see details
5. Use date filters to view specific periods

Troubleshooting

Target Shows as Offline But Website is Up

Possible causes: - Wrong protocol (HTTP vs HTTPS) - Incorrect expected status code - Firewall blocking Pulse servers - Website requires authentication

Solutions: 1. Verify the URL is correct 2. Check the protocol setting 3. Verify expected status code matches your website 4. Test manually: `curl -I https://your-website.com`

Not Receiving Notifications

Possible causes: - Notification settings not configured - Webhook URL incorrect - Alert rules not created - Email marked as spam

Solutions: 1. Go to Settings → Notifications 2. Verify channels are enabled 3. Check webhook URLs are correct 4. Create alert rules for your targets 5. Check spam folder for emails

High Response Times

Possible causes: - Network latency - Server performance issues - Timeout setting too high - Geographic distance

Solutions: 1. Check server performance 2. Verify network connectivity 3. Reduce timeout setting if appropriate 4. Consider geographic distribution

Checks Failing Intermittently

Possible causes: - Network instability - Server performance issues - DNS resolution problems - Rate limiting

Solutions: 1. Increase check interval 2. Review server logs 3. Check DNS records 4. Verify rate limits aren't being hit

Best Practices

Monitoring Strategy

1. **Start with critical services**: Monitor your most important systems first
2. **Set appropriate intervals**: Balance between responsiveness and load
3. **Configure multiple alert channels**: Don't rely on a single notification method
4. **Test alert rules**: Verify alerts work before relying on them

5. **Review regularly**: Check alert history and adjust rules as needed

Alert Configuration

1. **Avoid alert fatigue**: Set thresholds to avoid false positives
2. **Use severity levels**: Configure different rules for different severity levels
3. **Escalate appropriately**: Use multiple channels for critical services
4. **Document rules**: Add descriptions to explain why each rule exists

Data Management

1. **Archive old data**: Regularly export and archive historical data
2. **Review trends**: Look for patterns in uptime and performance
3. **Update targets**: Remove targets no longer in use
4. **Backup settings**: Export your configuration regularly

Getting Help

Documentation

- **Architecture**: See `docs/ARCHITECTURE.md` for system design
- **Deployment**: See `docs/DEPLOYMENT.md` for installation guides
- **API Reference**: See `docs/API_REFERENCE.md` for API details

Support

For issues or questions: 1. Check the troubleshooting section above 2. Review the documentation 3. Check the audit logs for clues 4. Contact support with: - Description of the issue - Steps to reproduce - Screenshots if applicable - Relevant log entries

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