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Check and manage Module Log

PUQcloud Panel

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Overview

The **Module Log** in **PUQcloud Panel** provides detailed records of all operations executed by modules — including API requests, SSH commands, and service actions.
It helps administrators **debug**, **monitor**, and **audit** communication between PUQcloud and external systems such as **Proxmox**, **Nextcloud**, and others.

All logging processes run **in the background**, allowing multiple modules to record events simultaneously **without impacting performance**.
This ensures that even heavy automation tasks remain fast and efficient.

Navigation Path

Dashboard → Monitoring → Module Log

Key Features

Feature	Description
Detailed Module-Level Tracking	Records every request and response for each module.
Safe Background Execution	All logs are generated asynchronously to avoid slowing down the system.
Live Monitoring	Real-time updates every few seconds for active debugging.
Filter by Date and Time	Review specific activity ranges.
Search and Filter	Quickly locate logs by module name, action, or keyword.
Log Viewer	Inspect full request and response content for debugging.

Feature	Description
Delete All Logs	Instantly clear old logs when troubleshooting is complete.

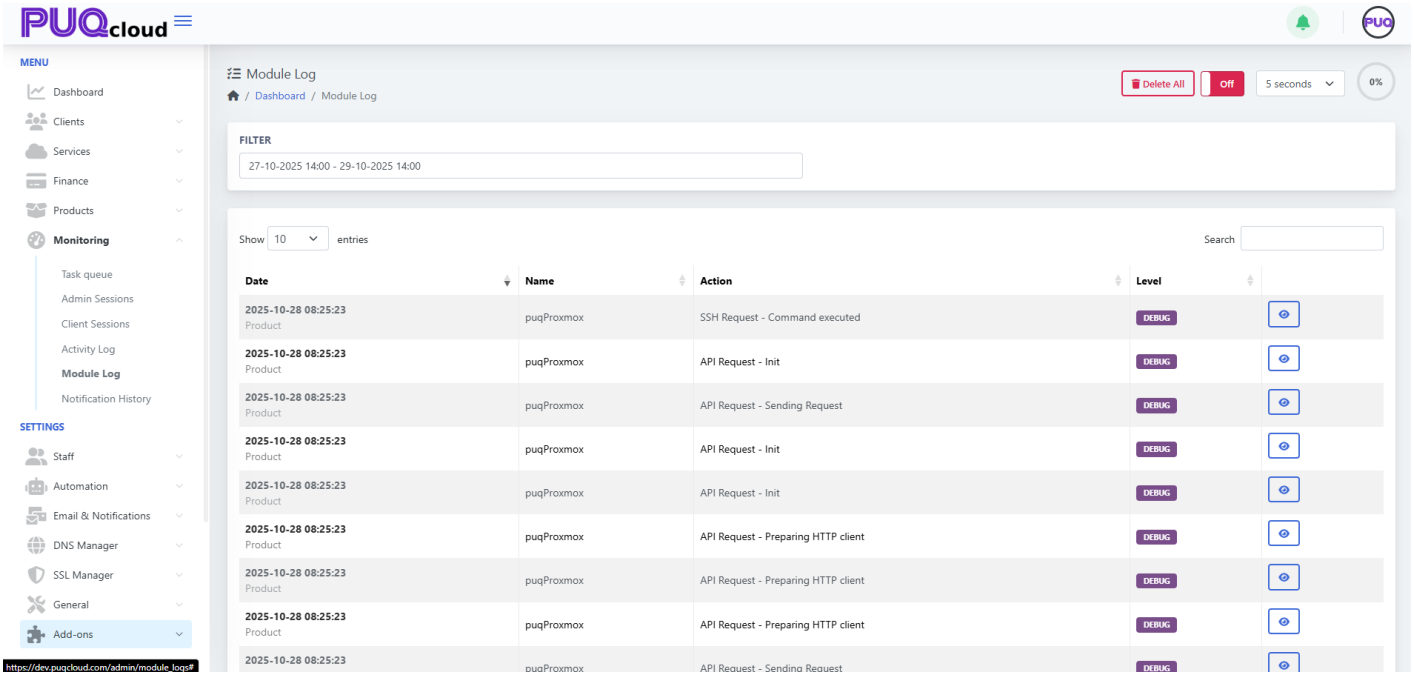
Using the Module Log

1. Access the Page

Navigate to
Dashboard → Monitoring → Module Log

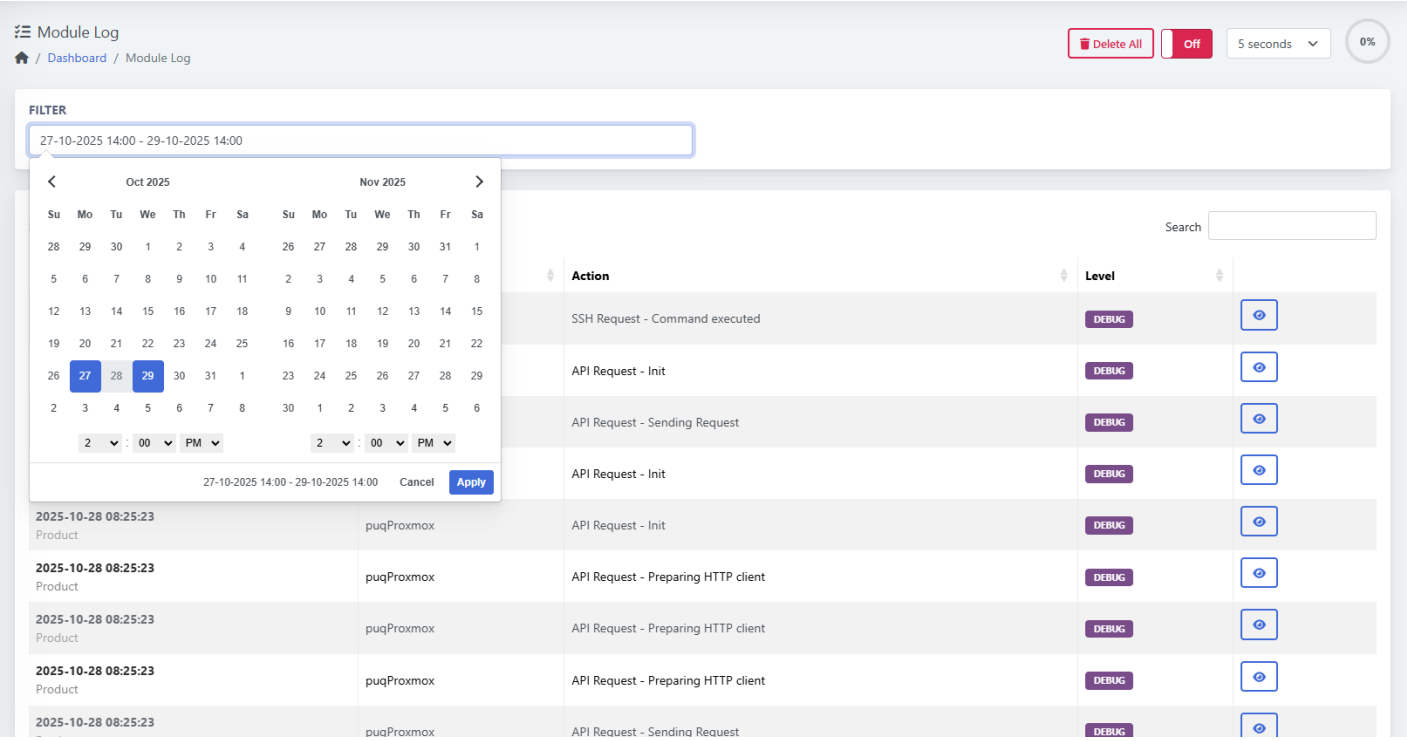
You'll see all module-related activity displayed in a structured table with columns for:

- **Date**
- **Name** (module name)
- **Action**
- **Level**



2. Filter by Date and Time

To focus on a specific period, use the **Filter** control at the top.
Select the desired start and end dates and times, then click **Apply** to reload the results.

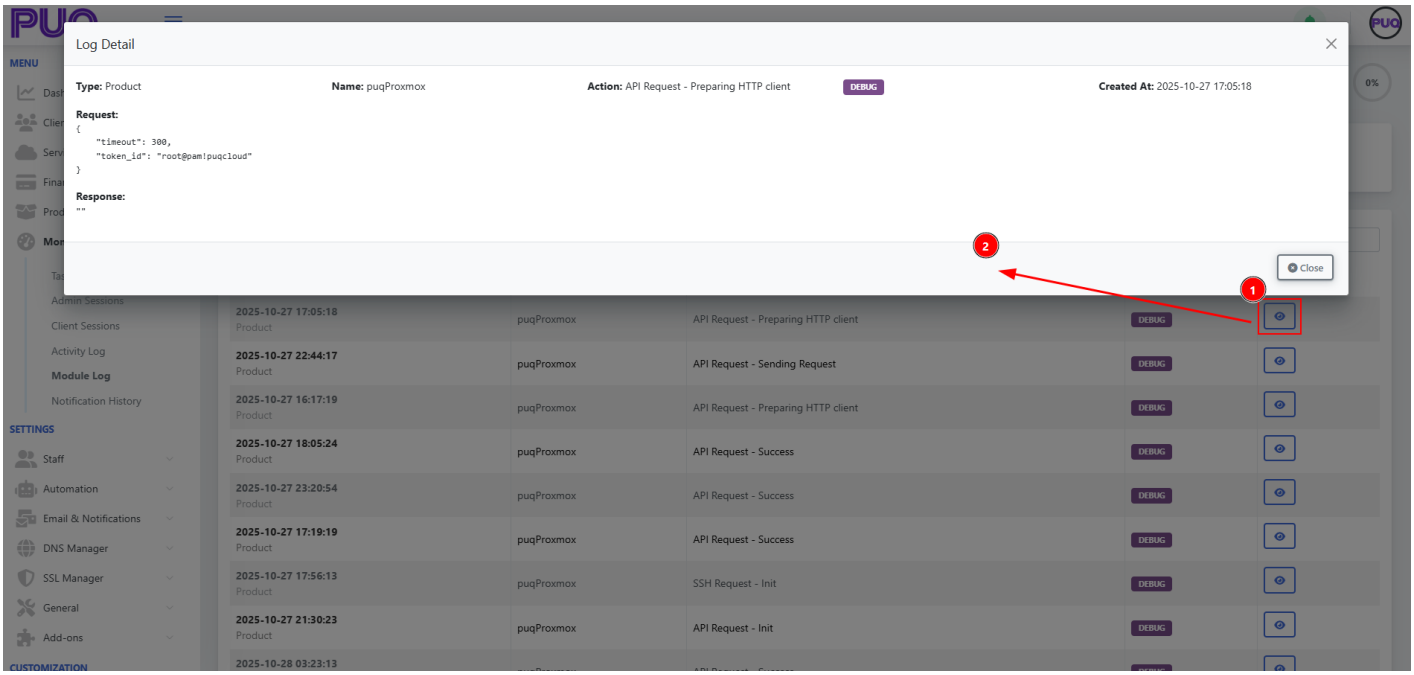


3. View Log Details

Each record includes a “View” (□□) icon on the right.
Click it to open the detailed log window showing:

- **Type and Module Name**
- **Action Type**
- **Log Level**
- **Request Payload**
- **Response Data**

This view is essential for debugging API and SSH communication.



Columns Explained

Column	Description
Date	Timestamp of the log entry.
Name	The name of the module (e.g., puqProxmox, puqNextcloud).
Action	Describes what operation was executed (API Request, SSH Command, etc.).
Level	Indicates the log type (Debug, Info, Warning, Error).

Log Levels

Level	Description
DEBUG	Detailed technical data for developers and administrators.
INFO	Informational events indicating normal operation.
WARNING	Non-critical issue or irregular response.
ERROR	Operation failed or received invalid data.

Controls and Options

Control	Description

Auto Refresh	Refresh interval (top-right) allows you to monitor logs in real time.
Off/On Switch	Enable or disable live updates.
Search Box	Quickly find logs by action or module name.
Delete All	Clears all logs at once — useful after debugging sessions.

Example Use Case

While testing the **puqProxmox** module, the administrator can open **Module Log** to check the API and SSH calls executed during a provisioning process.

Example entry:

```
2025-10-28 08:25:23 | puqProxmox | API Request - Sending Request | DEBUG
```

By clicking the □□ icon, the admin can inspect both the request JSON and the response received from the external system.

Tips

- Use **DEBUG** level logs for troubleshooting module integrations.
- Regularly clear old logs to keep your workspace clean.
- Combine with the **Task Queue** section to trace background automation steps.
- Since logs are recorded asynchronously, there’s **no performance degradation**, even during heavy module execution.

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