

Windows Miner Agent User Guide

01. Download Link

<https://github.com/viabtc/mineragent/tree/master/v2>

02. Installation

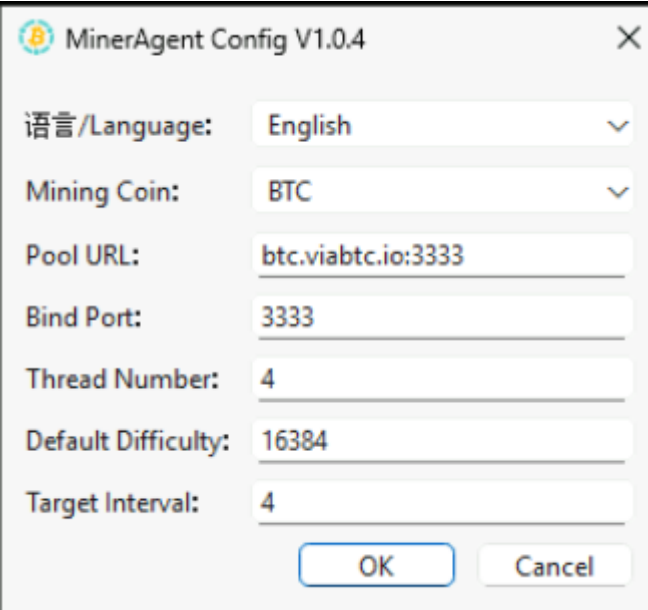
Use any unzip tool to extract the agent program `viabtc_mineragent_gui.zip`.

03. Launch

Double-click `viabtc_mineragent_gui.exe` to start the agent.

04. Configuration

After launching `viabtc_mineragent_gui.exe`, you will enter the configuration page, as shown below:



The screenshot shows a configuration window titled "MinerAgent Config V1.0.4". It contains several fields for configuration:

- 语言 / Language: English (dropdown menu)
- Mining Coin: BTC (dropdown menu)
- Pool URL: btc.viabtc.io:3333 (text input)
- Bind Port: 3333 (text input)
- Thread Number: 4 (text input)
- Default Difficulty: 16384 (text input)
- Target Interval: 4 (text input)

At the bottom, there are "OK" and "Cancel" buttons.

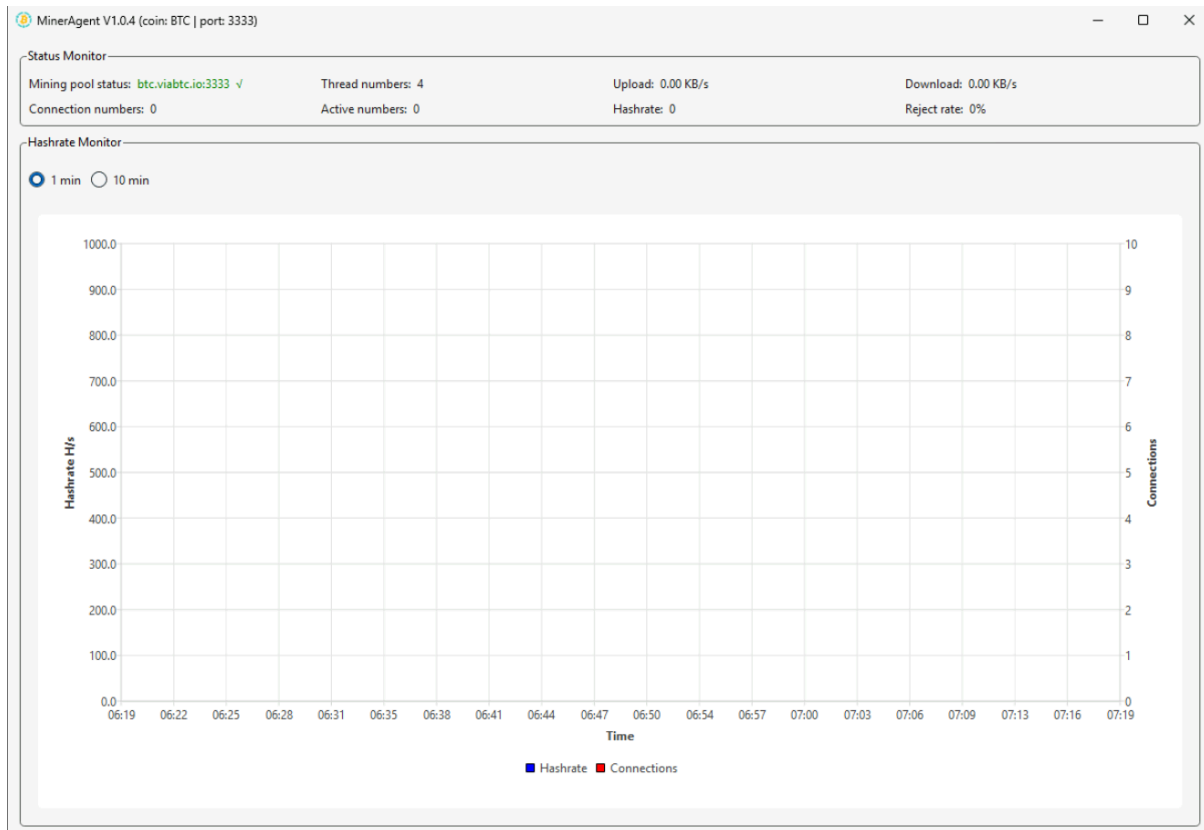
Field Descriptions:

- Mining Coin: Default is BTC. Select other coins from the dropdown menu
- Pool URL: Mining pool stratum URL
- Bind Port: The port miners use to connect to the agent. Default is 3333 (If multiple agents need to be enabled, the bind port cannot be duplicated.)
- Thread Number: The number of worker threads used by the agent. Default is the number of CPU threads on the local machine. (No modification needed.)

- **Default Difficulty:** Initial difficulty. It will automatically adjust based on miner's hashrate. (No modification needed.)
- **Target Interval:** The frequency at which the agent adjusts difficulty based on the miner's hashrate. (No modification needed.)

05. Start the Agent

Click OK to launch the agent after configuration, as shown below:



Interface Overview

Status Monitor

- **Mining pool status:** The agent's connection status to the mining pool. Green means connected; red means failed
- **Thread numbers:** Number of threads currently running, configurable in the configuration page
- **Upload:** Current upload speed of the agent
- **Download:** Current download speed of the agent
- **Connection numbers:** Number of miners currently connected to the agent
- **Active numbers:** Number of miners submitting hashrate within 10 minutes.
- **Hashrate:** The total hashrate submitted by miners currently connected to the agent (calculated every 10 minutes)

- Reject rate: The proportion of rejected or invalid shares.

Hashrate Monitor

- 1 min / 10 min Buttons: Switch the time interval for hashrate monitoring
- Line Chart: Blue line shows hashrate trends; green line shows number of connected miners.
- Hover over the chart to view detailed data on hashrate and connections.

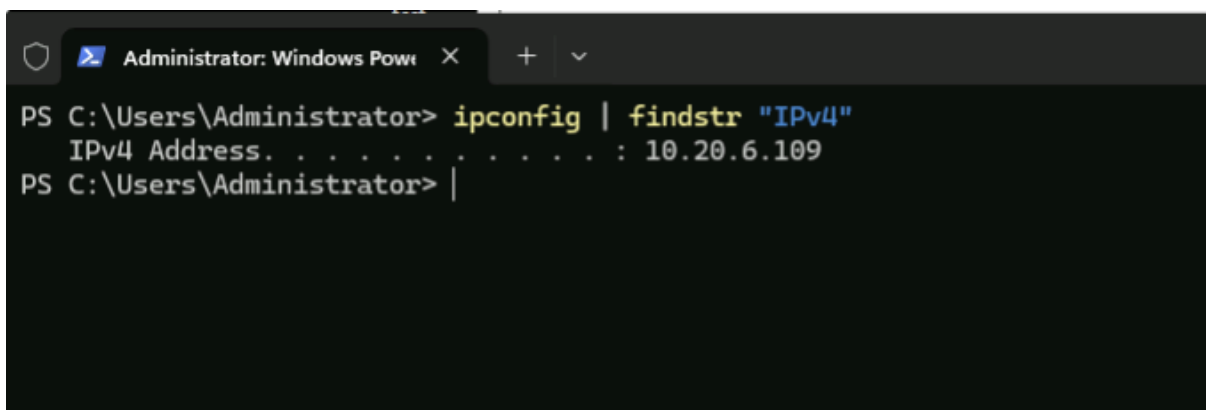
06. Miner Connection

Miners should connect to the agent via **IP:Port**.

IP is the **Server IP** where the agent is running. Port is the **Bind Port** configured in the configuration page.

How to check **Server IP**:

Press **Win + r**, type **cmd** or **powershell**, and press Enter to open the command prompt. Type **ipconfig | findstr "IPv4"** and press Enter. You'll see the **Server IP**.



```

Administrator: Windows Powe
PS C:\Users\Administrator> ipconfig | findstr "IPv4"
    IPv4 Address. . . . . : 10.20.6.109
PS C:\Users\Administrator>
  
```

Example: the server IP is **10.20.6.109** and the bind port is **3333**, then on the miner configuration page, set the mining URL as: **stratum+tcp://10.20.6.109:3333**.

07. Additional Notes

1. To prevent internal IP address changes, it is recommended to set a static IP. You can search online for instructions on [How to configure a static IP in Windows](#).
2. Use only one agent per mining coin. For multiple coins, run a separate agent for each.
3. To exit the agent, right-click its icon in the system tray (bottom-right corner of the windows interface).

