

Windows MinerAgent User Guide

System Requirements

- Operating System: 64-bit Windows 10 or higher
- Processor: 4 cores or more
- Memory: 8 GB RAM or more
- Storage: 60 GB or more

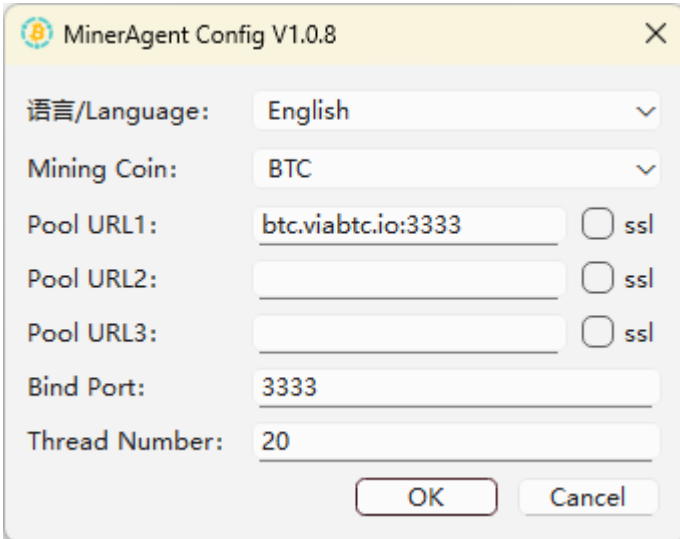
Deployment Steps

1. Download MinerAgent

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

2. Configure MinerAgent

After opening `viabtc_mineragent_gui.exe`, you'll see the configuration interface as shown below:



The screenshot shows the 'MinerAgent Config V1.0.8' window. It contains the following fields and options:

- 语言/Language:** A dropdown menu set to 'English'.
- Mining Coin:** A dropdown menu set to 'BTC'.
- Pool URL1:** A text field containing 'btc.viabtc.io:3333' with an adjacent checkbox labeled 'ssl'.
- Pool URL2:** An empty text field with an adjacent checkbox labeled 'ssl'.
- Pool URL3:** An empty text field with an adjacent checkbox labeled 'ssl'.
- Bind Port:** A text field containing '3333'.
- Thread Number:** A text field containing '20'.
- At the bottom are 'OK' and 'Cancel' buttons.

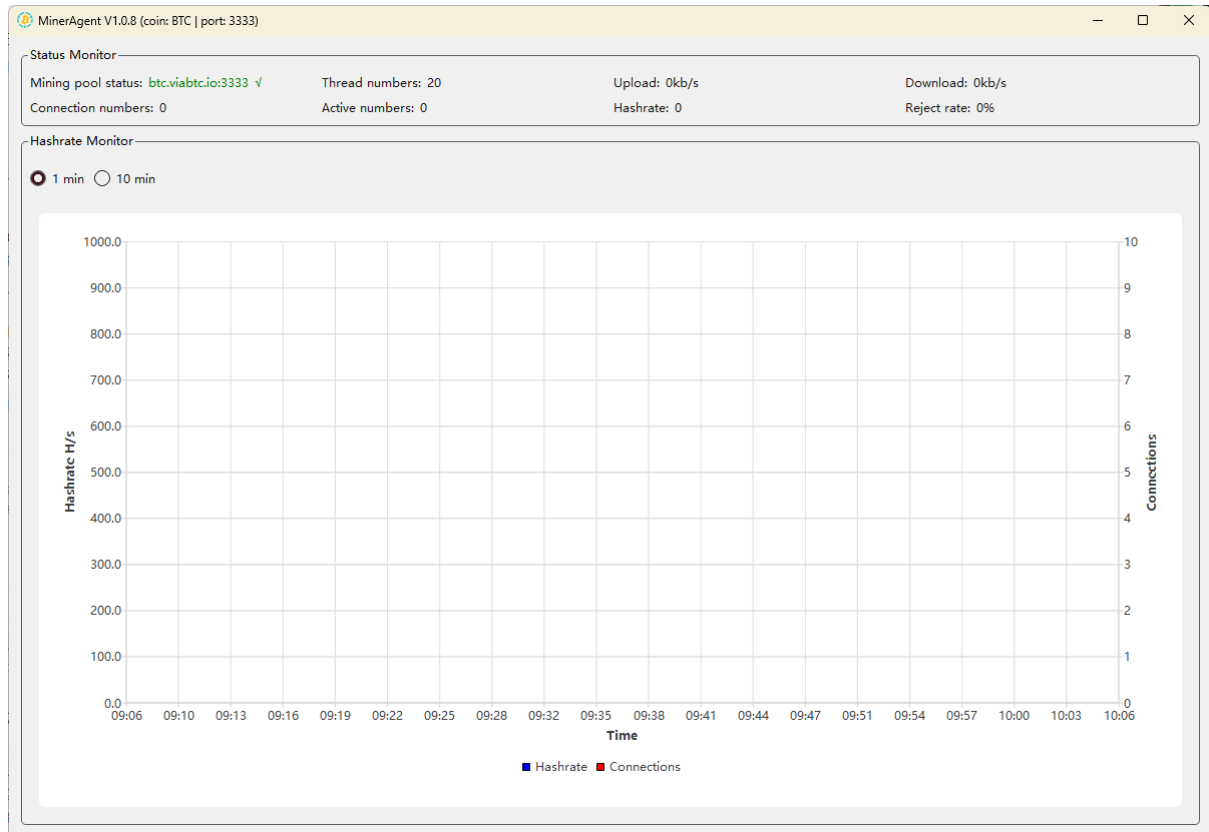
Field Descriptions:

- Mining Coin: Default is BTC. Select other coins from the dropdown menu
- Pool URL 1-3: You can configure 3 mining addresses. If the current address fails to connect, it will automatically switch to the next one.
- ssl: Whether the Pool URL is SSL-encrypted
- Bind Port: The port miners use to connect to the agent. Default is 3333 (If you want to run multiple agents, the bind port cannot be the same)

- 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.)

3. Start MinerAgent

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



4. 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. This can be configured in the configuration interface.
- 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 connected miners that have submitted hashrate within 10 minutes.
- Real-Time Hashrate: Total hashrate submitted by all connected miners, calculated every 10 minutes.
- Reject rate: The percentage of rejected or invalid shares

Hashrate Monitor

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

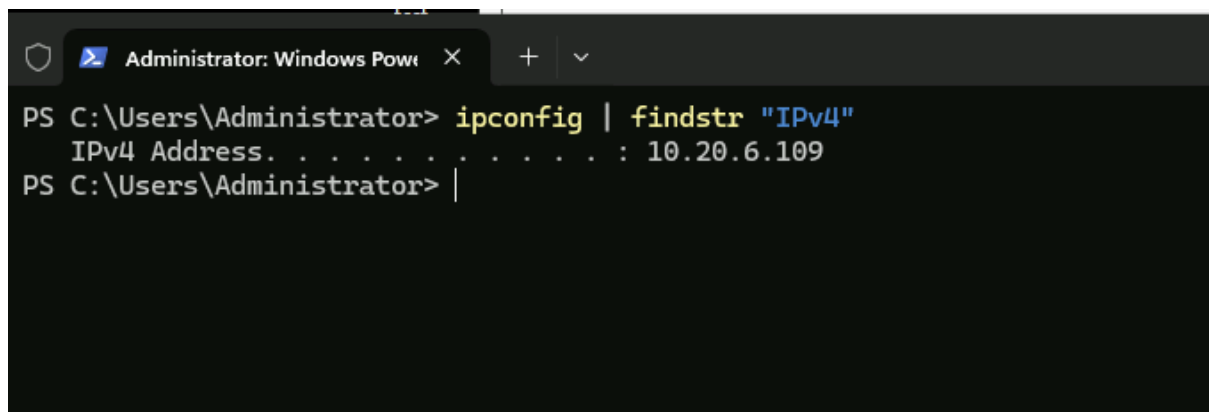
5. Miner Connection

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 X + v
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 interface, set the mining URL as: **stratum+tcp://10.20.6.109:3333**.

6. Additional Notes

- 1) To prevent internal IP address changes, it is recommended to set a static IP. You can find guides online for setting 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).

