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
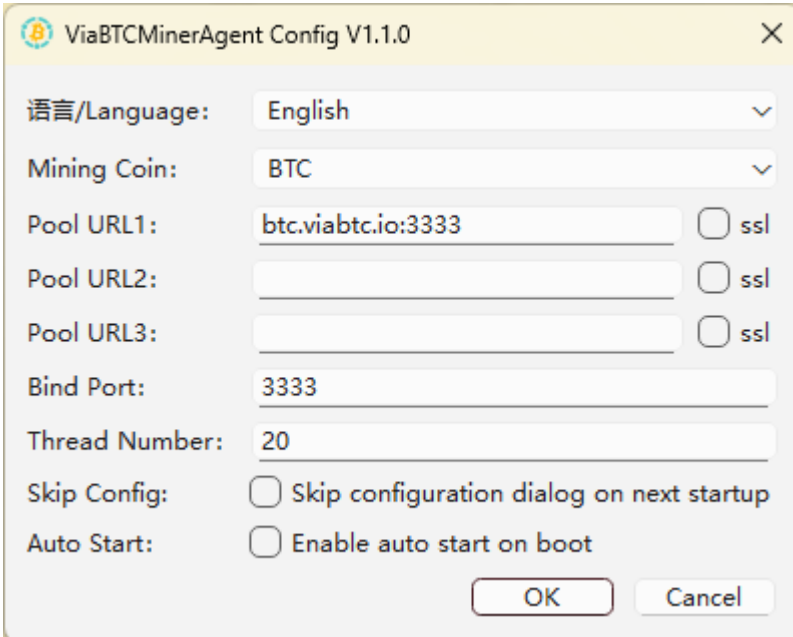- Storage: 60 GB or more

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:
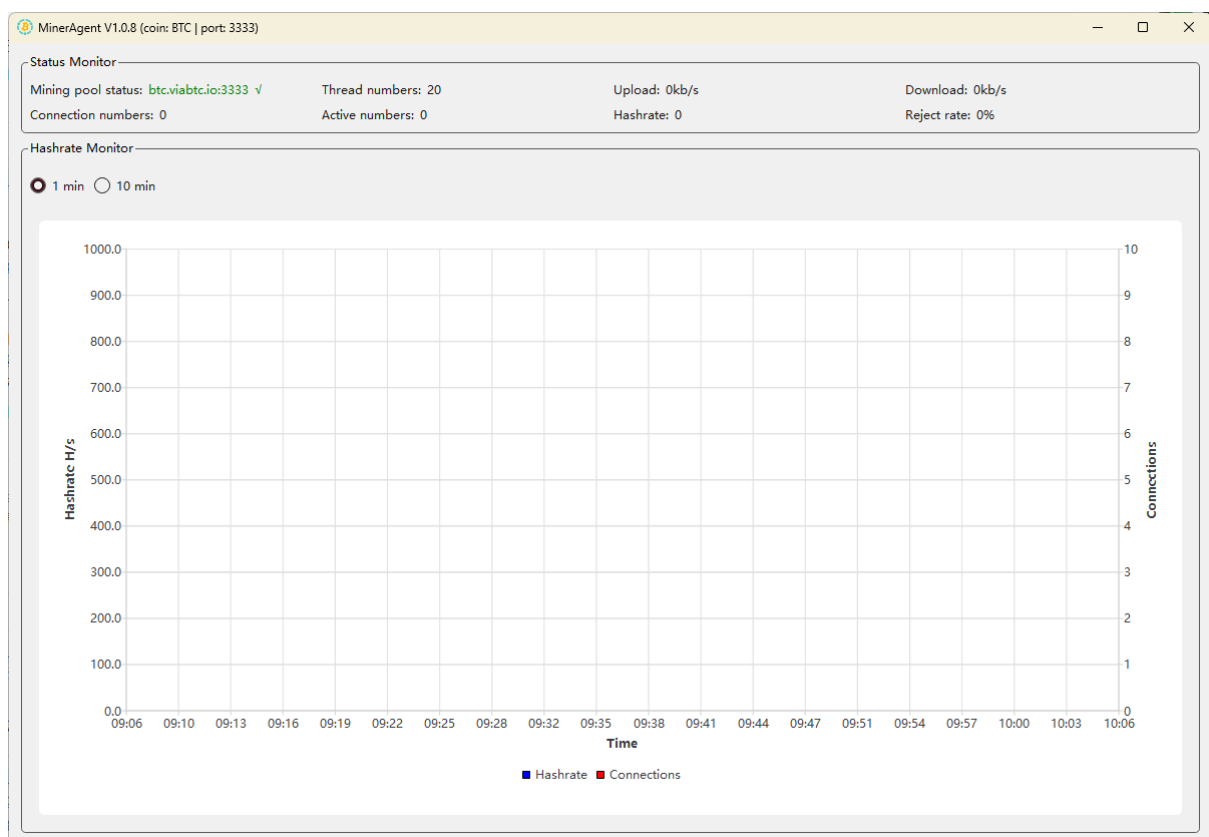

Field Descriptions:

- 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.)
- Skip Config: If enabled, the application will skip the configuration step on the next launch and start the agent service using your previous settings.
- Auto Start: If enabled, the agent service will launch automatically at system startup. Enabling this option also automatically enables "Skip Config."

3. Start MinerAgent

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. This can be configured in the configuration interface.
- Upload: Current upload speed of the agent
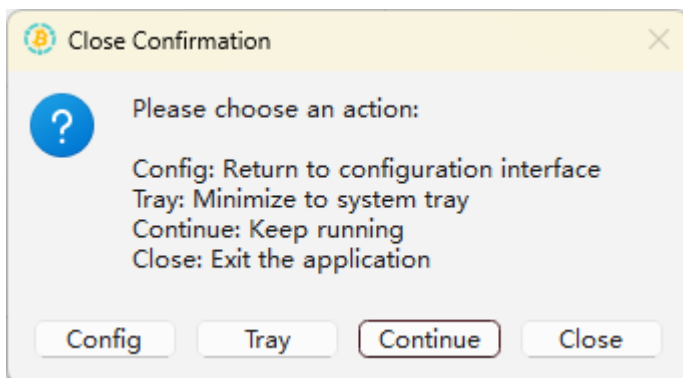- Download: Current download speed of the agent

- 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

4. Exit Options

When you click the X in the upper-right corner of the agent service interface, an exit confirmation dialog will appear.

Button Descriptions:
- Config: Closes the current agent service window and returns to the configuration interface.
- Tray: Minimizes the agent service program to the system tray in the lower-right corner of your desktop.
- Continue: Cancels the action and returns to the agent service interface.
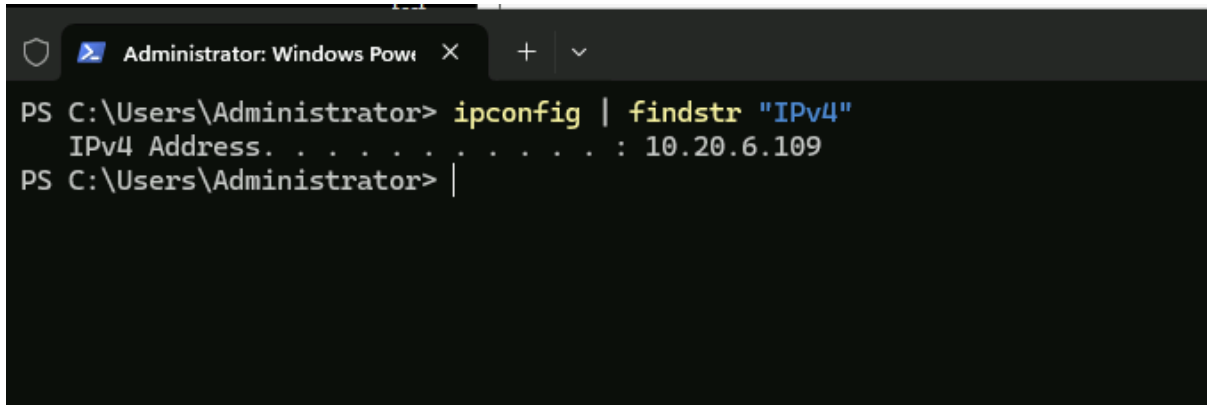- Exit: Quits the agent service program.

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.

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.