

# **Tencent Cloud Automation Tools**

## **Operation Guide**

### **Product Documentation**



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# Operation Guide

## Installing TAT Agent

Last updated : 2023-06-12 16:07:35

### Overview

This document guides you through the process of installing the TencentCloud Automation Tools (TAT) agent on a Lighthouse or CVM instance.

#### Note:

The TAT agent supports TencentOS Server, Linux releases and Windows operating systems.

TAT agent is only available for VPC-based instances.

### Directions

Choose the directions according to your operating system.

Linux instances

Windows instances

1. Log in to the Linux instance.

For Lighthouse instances, see [Logging in to Linux Instances via WebShell]

For CVM instances, see [Logging in to Linux Instance Using Standard Login Method](#).

2. Run the following command with the root account to install the TAT agent.

```
wget -O - https://tat-gz-1258344699.cos.ap-guangzhou.myqcloud.com/install_agent.sh
```

1. Log in to the Windows instance.

For Lighthouse instances, see [Logging in to Windows Instance via VNC].

For CVM instances, see [Logging in Using Standard Method \(Recommended\)](#).

2. Select the directions for your OS version:

#### Windows Server 2016 and later versions

1. On the desktop, right click



and select **Windows PowerShell (Admin)** in the pop-up window.

2. Run the following command in the powershell window to install the TAT agent.

```
. { Invoke-WebRequest -useb https://tat-gz-1258344699.cos.ap-guangzhou.myqcloud.com
```

## Windows Server 2012 R2 and earlier versions

1. Download the TAT agent package at:

```
https://tat-gz-1258344699.cos.ap-guangzhou.myqcloud.com/tat_agent_windows_x86_64.zi
```

2. Decompress the file and open the folder.

3. Right click `install.bat` , and select **Run as administrator** to install the TAT agent.

### Note:

TAT automatically creates a user named TAT-AGENT, and starts the tat-agent process as this user. You can check the creation process in the installation script. For more details, see [winutil.ps1](#).

## Notes

For Linux instances and Window instances using Windows Server 2016 and later versions, it's unnecessary to change the URL. However, for instances using Windows Server 2012 R2 and earlier versions, if the instance does not have the access to internet and is not located in Guangzhou region, you need to modify the URL to a URL in the same region as of the instance in the following format:

```
https://tat- $\{short-region\}$ -1258344699.cos. $\{region\}$ .myqcloud.com/tat_agent_windows
```

`short-region` : the short region name

`region` : the complete region name

Check below for the list of short and complete region names:

Region	Short region name	Complete region name
Bangkok	th	ap-bangkok
Beijing	bj	ap-beijing
Beijing Finance	bjjr	ap-beijing-fsi
Chengdu	cd	ap-chengdu
Chongqing	cq	ap-chongqing
Guangzhou	gz	ap-guangzhou
Hong Kong (China)	hk	ap-hongkong

Jakarta	jkt	ap-jakarta
Mumbai	in	ap-mumbai
Nanjing	nj	ap-nanjing
Seoul	kr	ap-seoul
Shanghai	sh	ap-shanghai
Shanghai Finance	shjr	ap-shanghai-fsi
Shenzhen Finance	szjr	ap-shenzhen-fsi
Singapore	sg	ap-singapore
Taipei (China)	tpe	ap-taipei
Tokyo	jp	ap-tokyo
Frankfurt	de	eu-frankfurt
Virginia	use	na-ashburn
Silicon Valley	usw	na-siliconvalley
São Paulo	sao	sa-saopaulo

# Executing Without Logging In

Last updated : 2022-05-27 19:24:35

## Overview

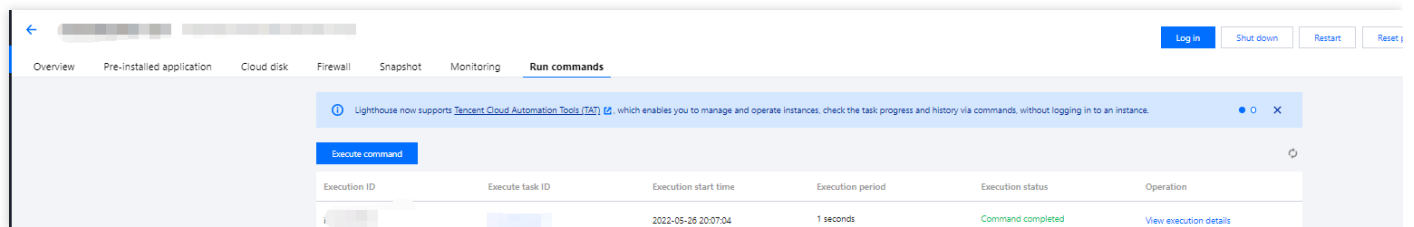
This document describes how to execute TAT commands without logging in to a Lighthouse instance.

## Prerequisites

- The target instance is running.
- The TAT agent is installed on the target instance. See [Installing TAT Agent](#).
- The target instance is based on a VPC.

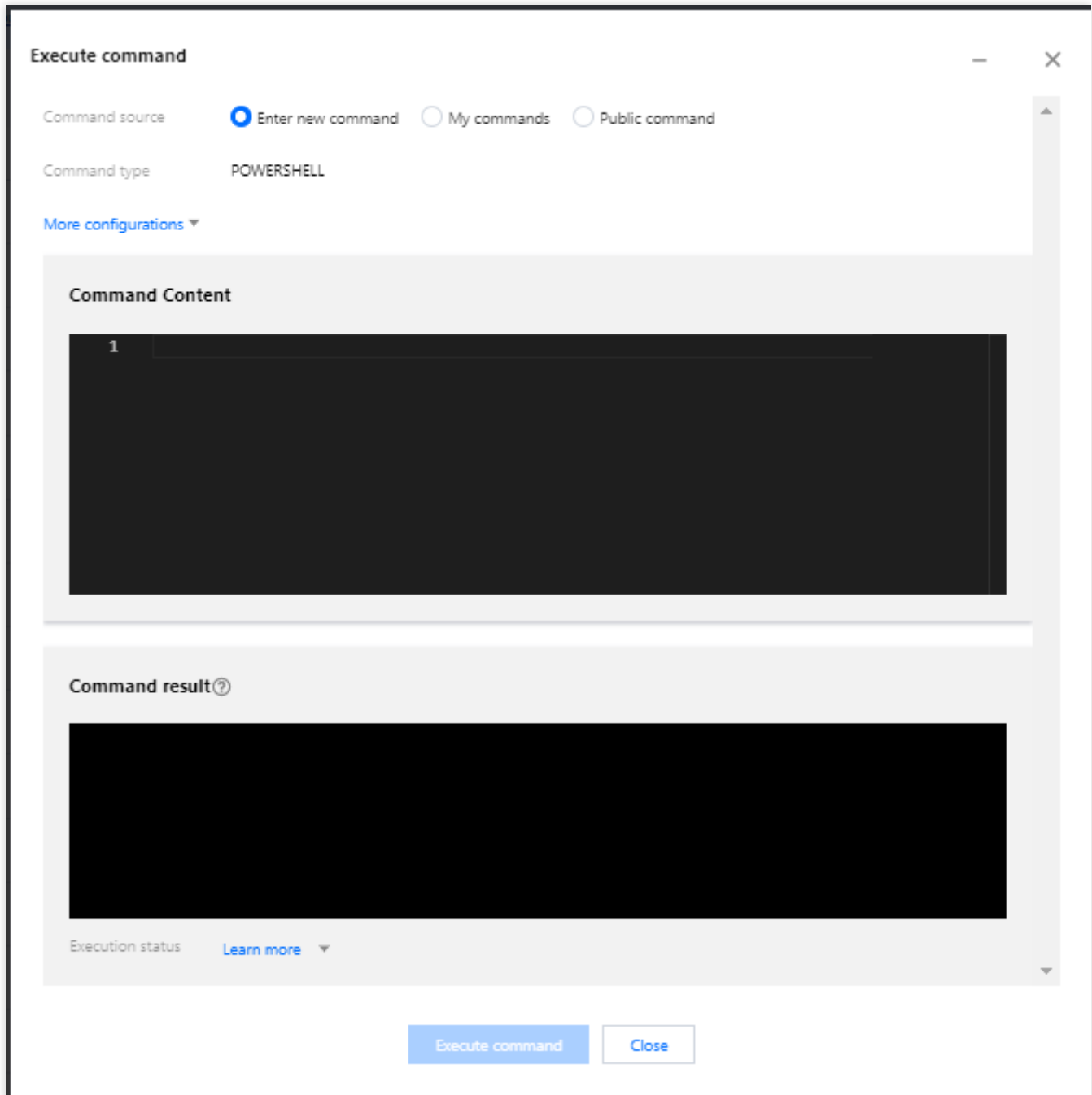
## Directions

1. Log in to the [Lighthouse console](#) and select the target instance.
2. On the instance details page, select **Execute command**.



3. On the command list page, click **Execute command**.

4. On the pop-up window, configure the parameters.



- **Command source:** Select the source of the command.
- **More:** Configure the optional parameters as needed.

Parameter	Description
Target path	The execution path of the command. <ul style="list-style-type: none"> <li>◦ For Linux instances, the path defaults to the /home of the root account.</li> <li>◦ For Windows instances, it defaults to C:\Program Files\qcloud\tat_agent\workdir of the System user</li> </ul>



Execution user	The user who executes the command. <ul style="list-style-type: none"><li>For Linux instances, it defaults to the root user.</li><li>For Windows instances, it defaults to the System user.</li></ul>
Timeout period	Set the timeout period of the command in the instance. When the task executing the command times out, the task process is terminated. It defaults to 60 seconds, and the range of values is [1, 86400].
Use parameters	Specify whether to use parameters in the command. You can configure the variable values in the command in the format of <code>{{key}}</code> .

6. Click **Execute command** to execute the command without logging in to the instance.

# Executing on Multiple Instances

Last updated : 2022-05-27 19:30:29

## Overview

After creating a command, you can execute it on one or more CVM or Lighthouse instances. The execution status and results on different instances are independent. This document describes how to execute the command on multiple CVM instances.

## Prerequisites

The instances are in **Running** status.

The TAT agent is installed on the target instance. See [Installing TAT Agent](#).

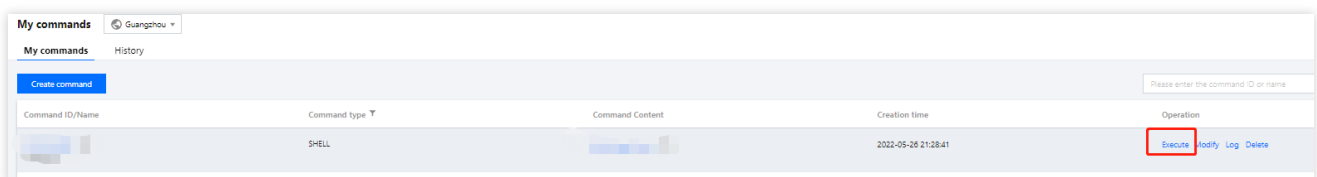
The target instance is based on a VPC.

## Directions

Console

API

1. Log in to the CVM console and select [My Commands](#) under **TencentCloud Automation Tools** from the left sidebar.
2. In the **My commands** page, select the region, locate the target command and click **Execute**.



3. In the **Execute command** page, modify the command configuration and select the target instances.

Select a target instance

Separate keywords with |, and separate tags using the Enter key

<input checked="" type="checkbox"/> ID/Name	Status	Availability Zone	Instance Type	Primary IPv4	Instance Billing Mode	Project	Tag (key:value)	TAT agent status
<input type="checkbox"/>	Running	Guangzhou Zone 6	Standard SA2		Pay-as-you-go	Default Project	1	Online
<input type="checkbox"/>	Running	Guangzhou Zone 6	Standard SA2		Pay-as-you-go	Default Project	1	Online
<input type="checkbox"/>	Running	Guangzhou Zone 6	Standard SA2		Pay-as-you-go	Default Project	1	Online
<input checked="" type="checkbox"/>	Running	Guangzhou Zone 6	Standard SA2		Pay-as-you-go	Default Project	1	Online
<input checked="" type="checkbox"/>	Running	Guangzhou Zone 6	Standard SA2		Pay-as-you-go	Default Project	1	Online

#### 4. Click **Execute command**.

You can call the `InvokeCommand` API to execute the command on multiple servers.

## Subsequent Operations

After the task execution, you can check the task result in **My commands - Logs - Log details**.

# Querying Command Execution Status

Last updated : 2022-05-27 19:32:59

## Overview

This document describes how to check the TAT command status inside an instance and in the Lighthouse console. For more details about the command execution status, see [Command execution status](#).

## Directions

### Method One: Check inside the instance

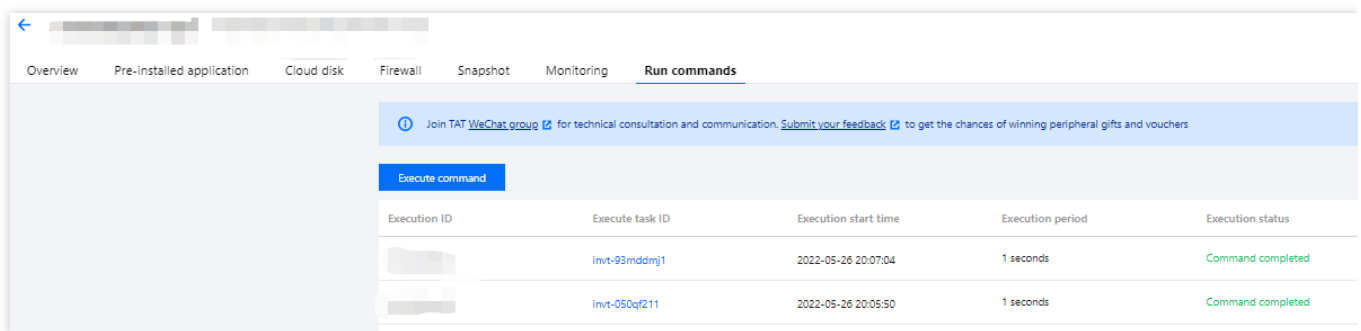
1. Log in to the instance.
2. Run the command below to obtain the agent running logs.

```
cd /usr/local/qcloud/tat_agent/log/
```

Check the command status by referring to [Command Execution Status](#).

### Method Two: Check in the console

1. Log in to the [Lighthouse console](#).
2. Locate the target instance and open the details page.
3. In the **Run commands** tab, locate the target command and click **View execution details**.



4. In the **Execution result** window, check the command status by referring to [Command Execution Status](#).