

RemoteApp configuration for application publishing

Note: The Community Edition supports only the HTTP application publishing mode.

RemoteApp is the publication of applications on Microsoft RDS. To use it, you need a Windows Server with configured RDS (RemoteApp). **JumpServer** can connect to applications published on the RDS server and authorize in them. This is mainly relevant for database management and web interface applications.

To support RemoteApp, you need to configure JumpServer and the RDS server.

Requirements:

- MS Windows Server 2016 or MS Windows Server 2019
- Installed RDS (Remote Desktop Services) role

Configured WinRM or installed OpenSSH

Adding a Publishing Server to JumpServer

Go to "**System settings - Applets**", select the "**Remote Hosts**" tab, and click "**Create**".

The screenshot shows the 'Remote Hosts' configuration page in JumpServer. The page is divided into several sections:

- Basic:** Fields for 'Name' and 'IP/Host', both set to 'afirds.afli.local'.
- Protocol:** A table of protocols with columns for Protocol, Port, and Actions. The table contains three rows: 'rdp' (port 3389), 'ssh' (port 22), and 'winrm' (port 5985). Each row has a 'minus' icon and a 'plus' icon.
- Account:** A section with a table of accounts. The table has columns: Name, Username, Privileged, Template add, and Actions. The table contains one row: 'testadmin' with username 'testadmin', privileged status 'true', and template add '-'. Below the table are buttons 'Add' and 'Template add'.
- Using same account:** A toggle switch that is currently turned off. Below it is a note: 'Connect to the host using the same account first. For security reasons, please set the configuration item CACHE_LOGIN_PASSWORD_ENABLED=true and restart the service to enable it.'
- Auto create accounts:** A toggle switch that is currently turned on. Below it is a note: 'These accounts are used to connect to the published application, the account is now divided into two types, one is dedicated to each account, each user has a private account, the other is public, when the application does not support multiple open and the special has been used, the public account will be used to connect.'
- Accounts create amount:** A text input field with the value '100'. Below it is a note: 'The number of public accounts created automatically.'

Parameter Descriptions:

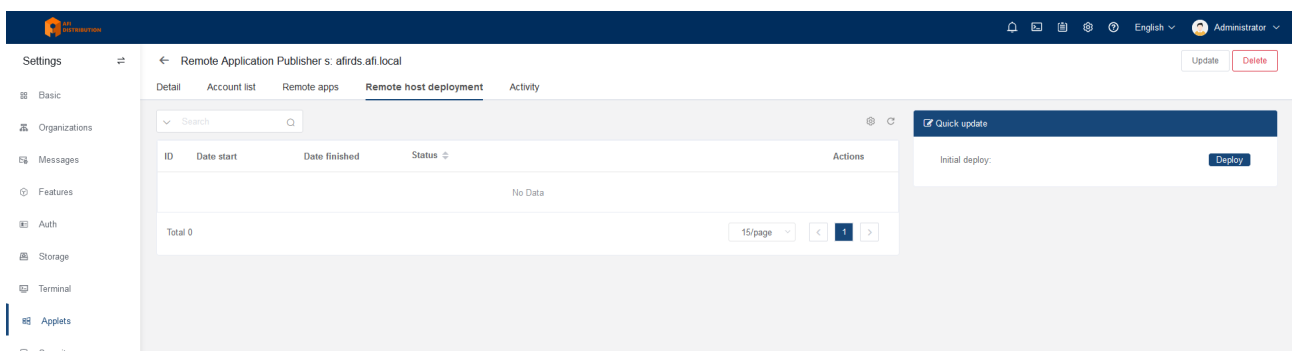
Parameter	Description
name	Device name

Parameter	Description
IP/Host	IP address or network name of the RDS server
protocol group	Protocols and port numbers. Specify WinRM or SSH if OpenSSH will be used
Account List	An administrator account for accessing the RDS server
Automatically create an account	Enable automatic account creation for connecting to published applications
Number of accounts created	Number of accounts to be created
Core service address	The communication address between the agent of the remote application publishing machine and JumpServer backend. Replace http:127.0.0.1 with your server's IP address
RDS license	Configure the RDS license server
RDS License Server	RDS license server parameters
RDS authorization mode	Choose "Device" or "User" to configure the authorization mode.
RDS single user single session	Choose "Disable" or "Enable" to configure the single session mode for one user.
RDS maximum disconnect time	When the session reaches this maximum time, the connection is terminated.
RDS remote application logout time limit	Time to log out after the remote application session is disconnected.

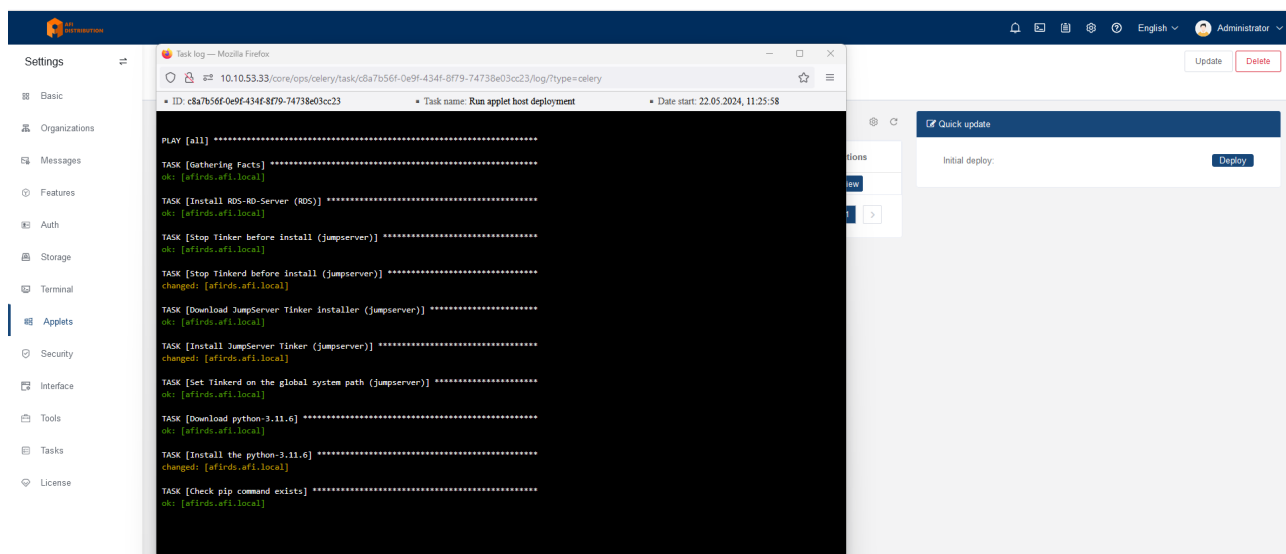
Click **"Submit"** to save the settings.

Setting Up the Application Publishing Mechanism

Click on the name of the added publishing server. Server information will open; go to the **"Remote host deployment"** tab and click the **"Deploy"** button on the right side of the screen.



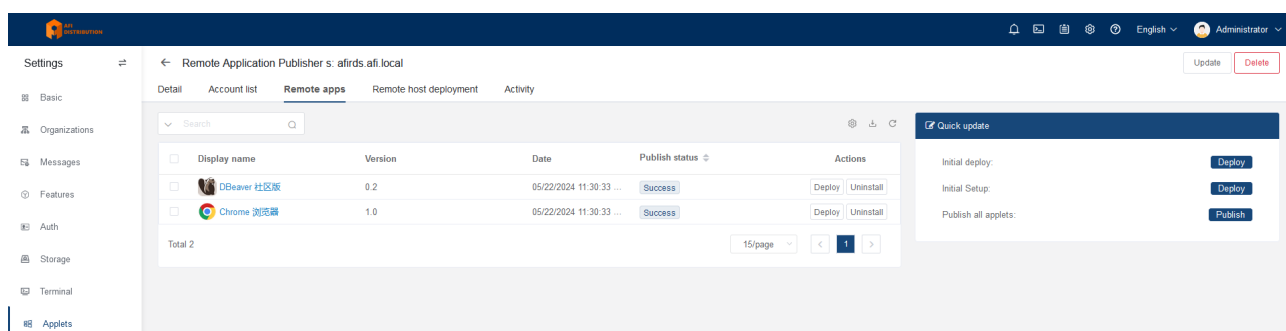
An installation window will appear, showing the installation process:



Application Publishing

You do not need to manually install applications on the RDS server; JumperServer provides ready-made applets that will automatically install and publish the required applications. Existing applets are available on the online portal, where you can download them.

To publish an application, go to the **"Remote Apps"** tab. Here you can see the list of added applets, their status, and the **"Deploy"** and **"Uninstall"** buttons for installing and removing applets from the publishing server.



If the applet status is **"Success"**, you can add devices and connect to them using the corresponding applications. For connecting to web interfaces (**HTTP**), you can use the **Chrome** or **Firefox** applets.

Версия #1

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