

Connecting a USB flash drive to a Huawei switch



Overview

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Key Takeaways

To use a USB flash drive with a Huawei switch, format it as FAT32, include the required index and upgrade files, and connect it to the switch's USB port, preferably the master switch in a stack. Preparing the USB Flash Drive

- Format the drive: Use FAT32 to ensure compatibility with Huawei switches .
- Add required files: Place the smart_config.ini index file in the root directory of the USB drive. Include any system software files (.cc) and optional configuration files (.cfg or .zip) as specified in the index file .
- Security considerations: For configuration files, it is recommended to use smart_config.ini with encryption and HMAC check to enhance security .

Connecting to the Switch

- Single switch: Insert the USB flash drive into the switch's USB port. The switch will automatically read the index file and start the upgrade or deployment process .
- Stacked switches: Connect the USB drive only to the master switch. Connecting to a standby or slave switch will prevent the deployment process from starting .

- Indicators: During deployment, the SYS LED may blink rapidly. Once the process completes, the LED will return to a slow blink, indicating the upgrade is finished .

Troubleshooting

- If the USB-based deployment fails, a file named usbload_error.txt is created on the USB drive with details of the failure .

- Ensure the USB drive is certified and tested on another Huawei device if it is not recognized .

- Only one USB flash drive can be connected at a time, and the device must have sufficient storage space for the upgrade files .

Post-Deployment

- For security, it is recommended to disable USB deployment after completing the upgrade using the command: set device usb-deployment disable . By following these steps, you can safely and effectively use a USB flash drive to deploy configurations or upgrade firmware on Huawei switches.

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