

SSH Keys

Proxmox KVM module **WHMCS**

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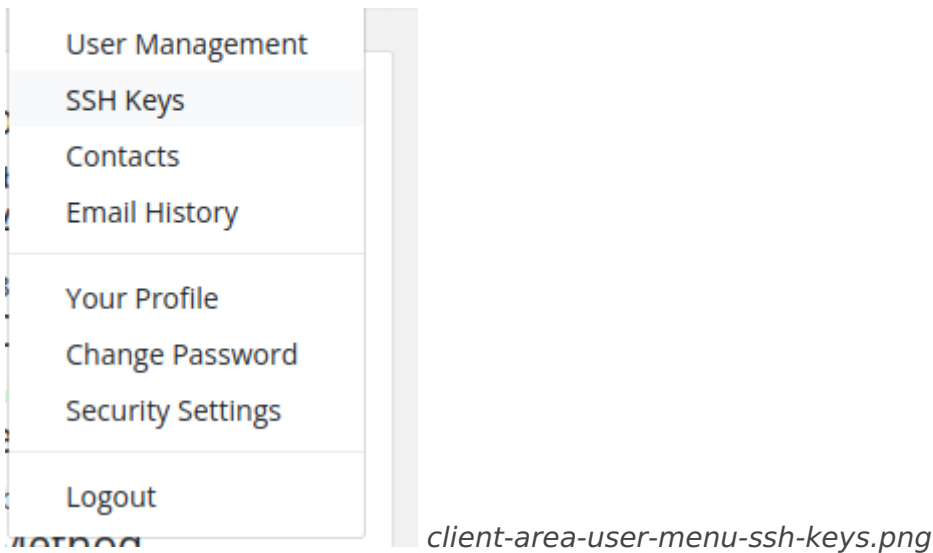
The **SSH Keys** management feature enables clients to securely manage their OpenSSH public keys in their WHMCS account profile. Stored keys can be selected during new VM orders and operating system reinstallations for automatic, passwordless Cloud-Init provisioning.

Accessing the SSH Key Manager

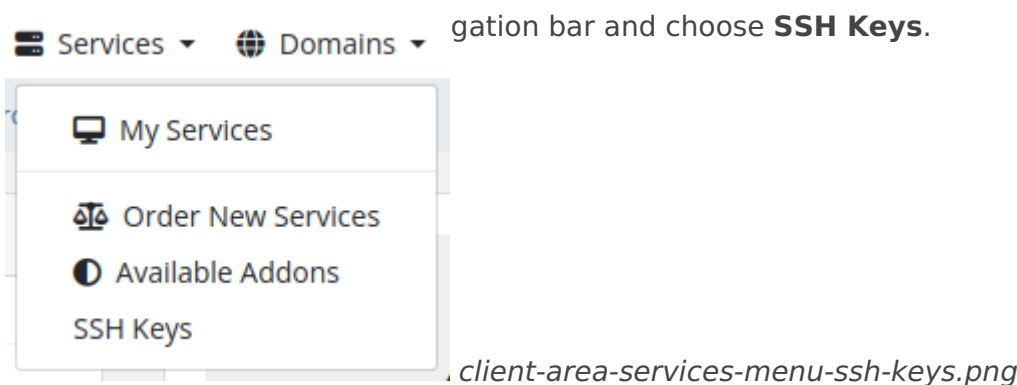
Clients can access their saved SSH keys through multiple convenient entry points:

1. User Profile Menu

Click the account dropdown menu in the upper-right corner (**Hello, {Name}!**) and select **SSH Keys**.

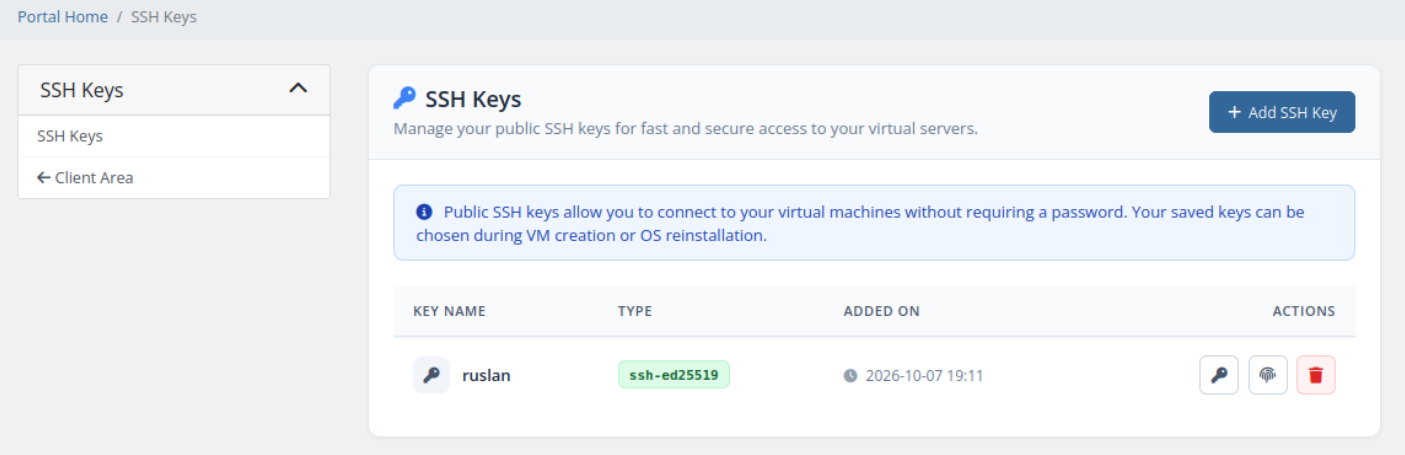


2. Services Navigation Menu



Managing Saved Keys

The SSH Keys overview page displays all authorized public keys associated with the client's account.



client-area-ssh-keys-manage.png

Key List Table

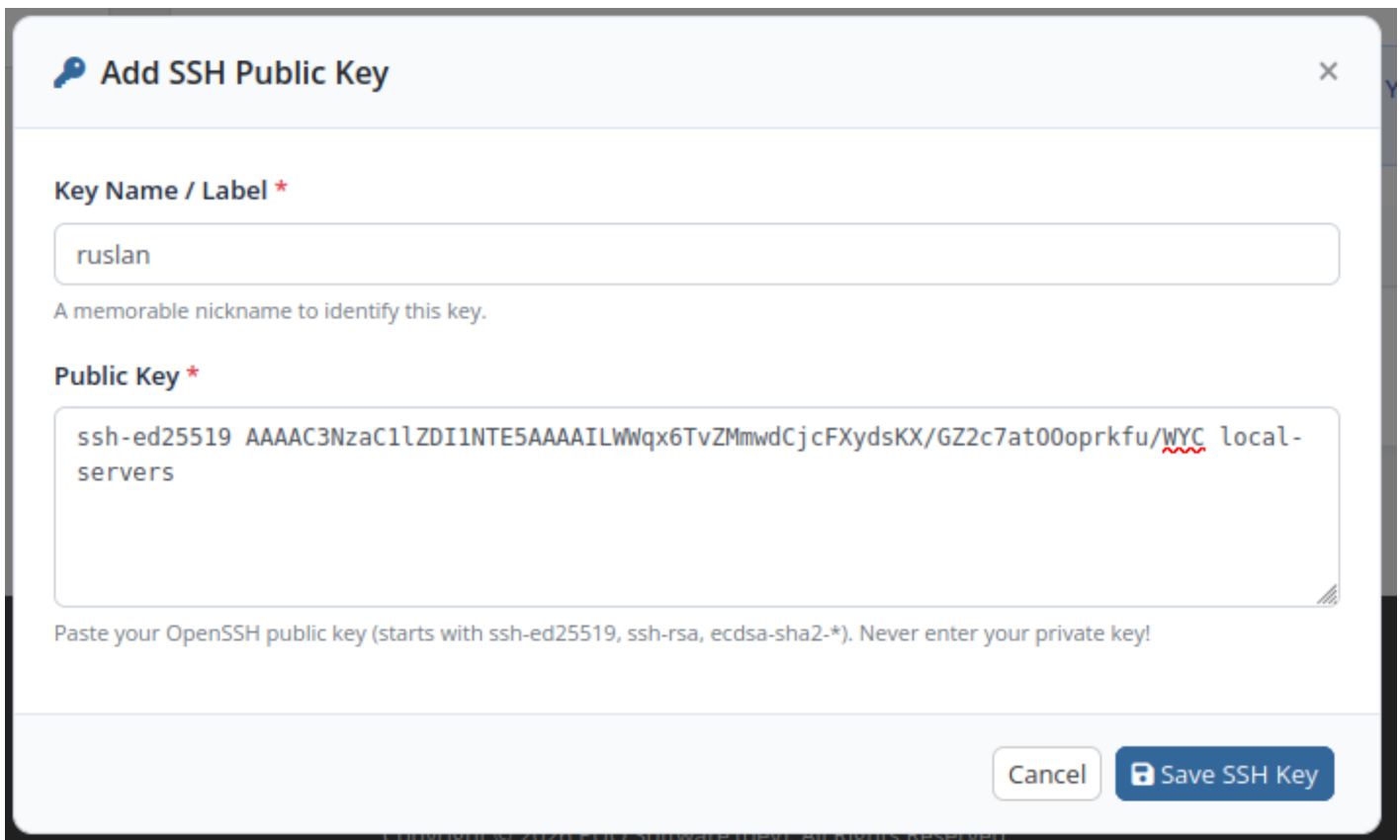
Column	Description
Key Name	A memorable nickname chosen by the user to identify their workstation or device
Type	The cryptographic key algorithm badge (e.g., <code>ssh-ed25519</code> , <code>ssh-rsa</code> , <code>ecdsa-sha2-*</code>)
Added On	Timestamp when the key was created
Actions	Quick interactive actions: Copy Public Key , Copy Fingerprint (SHA256) , and Delete

Interactive Actions

- **Copy Public Key** (key icon): Instantly copies the full OpenSSH public key text to the clipboard.
- **Copy Fingerprint** (fingerprint icon): Copies the SHA256 cryptographic fingerprint to the clipboard.
- **Delete** (trash icon): Opens a confirmation modal to remove the key from saved keys. Deleting a key does not revoke it from already provisioned virtual machines.

Adding an SSH Public Key

Click the + **Add SSH Key** button to open the key registration modal.



Add SSH Public Key

Key Name / Label *

ruslan

A memorable nickname to identify this key.

Public Key *

```
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAILWqX6TvZMmwdCjcFXydsKX/GZ2c7at00oprkfu/WYC local-servers
```

Paste your OpenSSH public key (starts with ssh-ed25519, ssh-rsa, ecdsa-sha2-*). Never enter your private key!

Cancel Save SSH Key

client-area-ssh-key-add-modal.png

1. **Key Name / Label:** Enter a nickname for the key (e.g., `work-laptop`, `id_ed25519`).
2. **Public Key:** Paste the OpenSSH public key. Supported formats:
 - `ssh-ed25519` (recommended for modern security and performance)
 - `ssh-rsa`
 - `ecdsa-sha2-nistp256`, `ecdsa-sha2-nistp384`, `ecdsa-sha2-nistp521`
3. Click **Save SSH Key**.

Security Note: Never enter private keys (`id_rsa`, `id_ed25519`). Only public keys (`.pub`) are accepted. The module automatically validates the public key structure and derives the SHA256 fingerprint.

SSH Key Authentication During Service Orders

When purchasing a new virtual machine (`cart.php?a=confproduct`), clients can choose their authentication method on the **Configure Server** page.

Configure Server

SSH Key Authentication

Select or paste your public SSH key for passwordless login.

Select from your saved keys:

☐ ruslan

☒ ssh-ed25519

Or enter a different SSH public key

ssh-ed25519 AAAAC3... or ssh-rsa AAAAB3...

Key Name / Label

Root Password

Configurable Options

CPU Cores

1 Core

RAM

1 GB

» System Disk: 10 GB \$0.00

» System Disk Read Bandwidth: Unlimited \$0.00

» System Disk Write Bandwidth: Unlimited \$0.00

» System Disk Read IOPS: Unlimited \$0.00

» System Disk Write IOPS: Unlimited \$0.00

» Additional Disk: No additional disk \$0.00

» Additional Disk Read Bandwidth: Unlimited \$0.00

» Additional Disk Write Bandwidth: Unlimited \$0.00

» Additional Disk Read IOPS: Unlimited \$0.00

» Additional Disk Write IOPS: Unlimited \$0.00

» Network Bandwidth: Unlimited \$0.00

» IPv4 Addresses: 1 IPv4 \$0.00

» IPv6 Addresses: No IPv6 \$0.00

» Backups: No backups \$0.00

» Snapshots: No snapshots \$0.00

» Operating System: Debian 13 \$0.00

Setup Fees: \$0.00

Monthly: \$0.28

\$0.28

Total Due Today

Continue

client-order-ssh-key-selection.png

Selection Options

- **Select from saved keys:** Check the boxes for any saved SSH keys you want to inject into the VM.
- **Enter a different SSH public key:** Paste a new OpenSSH public key on-the-fly without leaving the order funnel.

Automatic Password Handling

- **When one or more SSH keys are selected or entered:** The standard **Root Password** field is automatically hidden. The module generates a secure 30-character random password in the background, ensuring strict passwordless SSH access.
- **When no SSH keys are selected:** The **Root Password** field is displayed normally, allowing standard password-based login.

SSH Keys During OS Reinstallation

Clients can also assign SSH keys when performing an operating system reinstall on an active

virtual machine:

Reinstall

⚠ Reinstalling the virtual machine, completely remove all data on all disks of the virtual machine, all snapshots will also be deleted.

Select operating system

Debian 13

SSH Keys [Manage Keys](#)

☒ ruslan ssh-ed25519

Selected SSH keys will be added to the newly installed operating system.

To protect against accidental reinstallation. Please enter the word: **REINSTALL**

REINSTALL

Reinstall

client-area-reinstall.png

1. Navigate to the service details and open **Reinstall**.
2. Select the operating system.
3. Check the desired **SSH Keys** from your saved keys.
4. Type `REINSTALL` in capital letters and confirm.
5. Cloud-Init deploys the new OS image with the selected public keys pre-authorized in `/root/.ssh/authorized_keys`.

Revision #2

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