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SMS notices from your own WHMCS: a hook that calls our SMS API on invoices and payments

WhatsApp & APIs

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SMS notices from your own WHMCS: a hook that calls our SMS API on invoices and payments

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The short answer: if you run **your own WHMCS** (to resell hosting or services), a short **hook** can call **our SMS API** when an invoice is created, when WHMCS sends a reminder or when a payment comes in. The SMS comes out of your account's credit balance, under NETMSG or your own Sender ID.

The moments that matter

WHMCS hook	When it runs	Example SMS
InvoiceCreated	When an invoice is created	`Invoice [No.] for [AMOUNT] is ready. It is due on [DATE].`
InvoicePaymentReminder	When WHMCS sends a payment reminder	`Invoice [No.] is due on [DATE]. You can pay on our portal.`
InvoicePaid	When the invoice is paid	`We have received payment for invoice [No.]. Thank you.`

When WHMCS creates invoices and sends reminders depends on its automation: see **WHMCS automation settings**.

A minimal hook

Save a file in your WHMCS `includes/hooks/` folder. This example sends a notice when an invoice is paid:

```
<?php
// includes/hooks/sms_avisos.php
add_hook('InvoicePaid', 1, function ($vars) {
$fac = localAPI('GetInvoice', ['invoiceid' => $vars['invoiceid']]);
$cli = localAPI('GetClientsDetails', ['clientid' => $fac['userid']]);
$num = preg_replace('/[^0-9+]/', '', $cli['phonenumber']);
```

```
if ($num === '') { return; }
$chave = trim(file_get_contents('/home/USERNAME/.sms-api-chave'));
$ch = curl_init('https://api.mozout.co.mz/v1/sms/messages');
curl_setopt_array($ch, [
CURLOPT_RETURNTRANSFER => true,
CURLOPT_POST => true,
CURLOPT_TIMEOUT => 10,
CURLOPT_HTTPHEADER => [
'Authorization: Bearer ' . $chave,
'Content-Type: application/json',
'Idempotency-Key: factura-paga-' . $vars['invoiceid'],
],
CURLOPT_POSTFIELDS => json_encode([
'number' => $num,
'text' => 'We have received payment for invoice ' . $vars['invoiceid'] . '. Thank you.',
]),
]);
curl_exec($ch);
curl_close($ch);
});
```

1. **The key** lives in a file outside the public folder, never in the code. Create it on the API page in Meu MozOut with only **sms:write** and, if WHMCS always runs on the same server, restricted to its IP.

2. **The number** comes from the client's phone in WHMCS. The example strips dots, spaces and dashes; our API accepts numbers with or without the country code, because the system can tell the country from the first digit: **841234567** goes to Mozambique and **923456789** to Angola. So **+258 84 123 4567** and **258841234567** are the same number as **841234567**.

3. **The Idempotency-Key** includes the invoice number: if the hook fires twice for the same invoice, the customer gets one SMS.

4. **The 10-second timeout** stops a network problem from leaving WHMCS hanging.

! **Test with a sandbox_ key first.**
The request is checked but nothing is sent or charged. Only then switch to the prod_ key. And remember: customers cannot reply to the SMS, so say how they can reach you.

For the other hooks

the pattern is the same: change the hook name and the text. If a customer pays before a reminder you scheduled, you can cancel it: **cancelling a scheduled SMS**.

RECOMMENDED

Want your WHMCS to notify customers by SMS? See the API page and create the key.

See the API page →

SEE ALSO

- **What WHMCS is, and when you need it**
- **WHMCS automation settings: when invoices go out, reminders, suspension and termination**
- **Payment reminder SMS: when to send it, what to write and ready-to-use examples**
- **Sending SMS through the API: key, permissions, Sandbox and your first request**
- **Cancelling a scheduled SMS through the API, for example when the customer has already paid**
- **An API key or token has leaked: what to do, in the right order**

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