



# ISPAPI Backorder Addon

Resell Domain Backorders using WHMCS & HEXONET

Version 1.1.0

September 7, 2017



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### **ISPAPI Backorder Addon**

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Version 1.1.0

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The logo for HEXONET, featuring the word "HEXONET" in a bold, blue, sans-serif font. The "X" is stylized with a horizontal line through it.

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## Introduction

Backordering of domain names is a fast growing and highly lucrative business in the domain industry. When domain names expire, the underlying registry makes them available again for registration through interested parties. Some of these domain names may be very valuable for existing internet traffic or simply because of the names' intrinsic worth. Resellers, who strive for increasing their profits, should consider offering domain name backordering.

The ISPAPI Backorder Addon for WHMCS allows any reseller to quickly and easily offer domain name backorders. Once the module is installed, operations are fully automated.

## Supported Features

The ISPAPI Backorder Addon supports the following functions and features:

- High Performance Drop-Catching Technology
- Support for gTLDs: .ASIA .BIZ .CLUB .COM .INFO .MOBI .NET .ORG .PRO .TOP
- Support for TLDs: Afiliias, CentralNic, Donuts and Rightside TLDs
- Support for ccTLDs: .AC .AG .BZ .CC .CH .CO .DE .FM .IO .LC .LI .ME .MN .SC .SH .TV .US .VC
- Extra commissions are paid to resellers for successful backorders
- Backorders are free to place and the backorder fee is paid only on successful registration
- Support for different currencies
- Multi-lingual user interface (available in English, German with more languages to come)
- Backorder domain name search engine
- Automatic drop list update
- Auction platform for handling multiple backorders
- Easy installation and operation
- Frontend features:
  - Display of funds details
  - Regex support for searching domain names
  - Search results based on specific TLD selection

- Selection of amount of displayed results
- Filter domains by upcoming drop date
- Showcase TLD's backorder pricing
- Filtering of backordered domains based on their status

# Getting Started

## 1.Requirements

In order to run the ISPAPI Backorder Addon, your WHMCS installation must meet the following requirements:

- WHMCS version 7.0 or higher.
  - PHP with ZIP Extension installed.
  - ISPAPI Registrar Module version 1.0.44 or higher – available at [https://wiki.hexonet.net/index.php/WHMCS\\_Modules](https://wiki.hexonet.net/index.php/WHMCS_Modules).
  - HEXONET Live or Test Account configured in the ISPAPI Registrar Module – create a free account at [www.hexonet.net](http://www.hexonet.net).
- Server time should be set to UTC**

## 2.Installation

Copy the whole “ispapibackorder” directory to the “modules/addons/” directory.

## 3.Configuration

### a) Addon Activation

In the WHMCS Admin area, go to **Setup** => **Addon Modules**

Activate the ISPAPI Backorder Addon and give the module “Full Administrator” Access Control rights.

» ISPAPI Backorder This addon allows you to provide backorders to your customers.	1.1.0		<a href="#">Activate</a> <a href="#">Deactivate</a> <a href="#">Configure</a>
--	-------	--	---

Access Control

Choose the admin role groups to permit access to this module:  
☒ Full Administrator ☐ Sales Operator ☐ Support Operator

Save Changes

### b) Addon Configuration

In the WHMCS Admin area, go to **Addons** => **ISPAPI Backorder**

Select the “Pricing” tab and enter the desired prices you wish to charge your customers. Please keep in mind the price you will be charged. (reseller prices are available on HEXONET’s web Control Panel).



## ISPAPI Backorder

[Manage](#) [Pricing](#) [Logs](#)

## Backorder Pricing

Extension	USD	EUR	GBP	
com	<input type="text" value="10.00"/>	<input type="text" value="60.00"/>	<input type="text" value="70.00"/>	<a href="#">Delete</a>
org	<input type="text" value="30.00"/>	<input type="text" value="50.00"/>	<input type="text" value="40.00"/>	<a href="#">Delete</a>
de	<input type="text" value="10.00"/>	<input type="text" value="10.00"/>	<input type="text" value="10.00"/>	<a href="#">Delete</a>
net	<input type="text" value="13.00"/>	<input type="text" value="12.00"/>	<input type="text" value="37.00"/>	<a href="#">Delete</a>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

[Save Changes](#)

## c) Add Cron Jobs

In order to fully automated the module, additional cron jobs must be installed.

Please configure the following cron jobs on your server.

```
1 0,10 * * * php -q {PATH_TO_WHMCS}/modules/addons/ispapibackorder/crons/daily_import_pendingdomainlist.php >/dev/null 2>&1
1 1,11 * * * php -q {PATH_TO_WHMCS}/modules/addons/ispapibackorder/crons/daily_dropdate_synch.php >/dev/null 2>&1
*/5 * * * * php -q {PATH_TO_WHMCS}/modules/addons/ispapibackorder/crons/batch.php >/dev/null 2>&1
```

*\* Replace {PATH\_TO\_WHMCS} with the real path of your WHMCS installation.*

The **daily\_import\_pendingdomainlist.php** cron job should run twice a day at 0:01 and 10:01.

The **daily\_dropdate\_synch.php** cron job should run twice a day at 1:01 and 11:01.

The **batch.php** cron job should run every 5 minutes.

## d) Import Drop List

When you use the module for the first time, you must import the drop list. In order to do that, just execute the following script from your command line:

- Go to the “crons” directory of the module
- Execute: `php -q daily_import_pendingdomainlist.php`

**The script takes a few minutes to complete.**

## e) Customize Email Templates [optional]

The module comes with one pre-installed email template. The template is called “backorder\_lowbalance\_notification” and is available under **Setup => Email Templates**.

This template is used to send email notices to customer that do not have enough funds in their accounts to properly process a domain name backorder. Failure to provide additional funds will result in a domain name backorder to be abandoned.

Resellers can customize the content of this template.

## Technical information

### 1. Functioning

Once the module is completely installed and configured your customers will be able to backorder domain names. Keep in mind that backordering domain names is based on a PREPAID balance. Customers with insufficient account funds will result in their backorders being abandoned. Your customers can add funds with WHMCS' default "Add Funds" functionality.

PLEASE KEEP IN MIND THAT, the reseller must also have enough prepaid funds in their HEXONET account that covers all the pending backorders of their customers. Reseller's with insufficient funds will also have some or all of their domain name backorders fail.

- Your customers can click on a domain backorder, which will set the backorder status for the respective domain name to **REQUESTED**.
- Three (3) days before the drop date of a backordered domain name, the backorder status is set to **ACTIVE**. This will trigger the system to obtain the backorder fees from the customer's account and hold those funds as reserved. Again, if the customer has insufficient funds, a low balance notification email is sent and the backorder itself will remain status **REQUESTED**.
- Two (2) hours before the respective domain name's drop time, the status of the backorder will change from **ACTIVE** to **PROCESSING**. Once in processing backorders can't be deleted.
- The drop-catch system will then try to obtain the respective domain name..

There are different backorder results:

#### a) The Backorder Failed

If the system failed to get the domain name the backorder status will change from **PROCESSING** to **FAILED** and the reserved monies will be released.

#### b) The Backorder was Successful

##### *Single backorder*

If the system successfully got the domain and the customer was the only person on the system to have backordered the domain name (single backorder), then the status will change from **PROCESSING** to **PENDING-PAYMENT** and the customer will receive an

invoice, indicating they have obtained the backorder they have requested. And since backordering is a prepaid system, the invoice will be immediately and automatically paid. The backorder status will be changed from **PENDING-PAYMENT** to **SUCCESSFUL**. The acquired domain name will now be displayed in the customer's account.

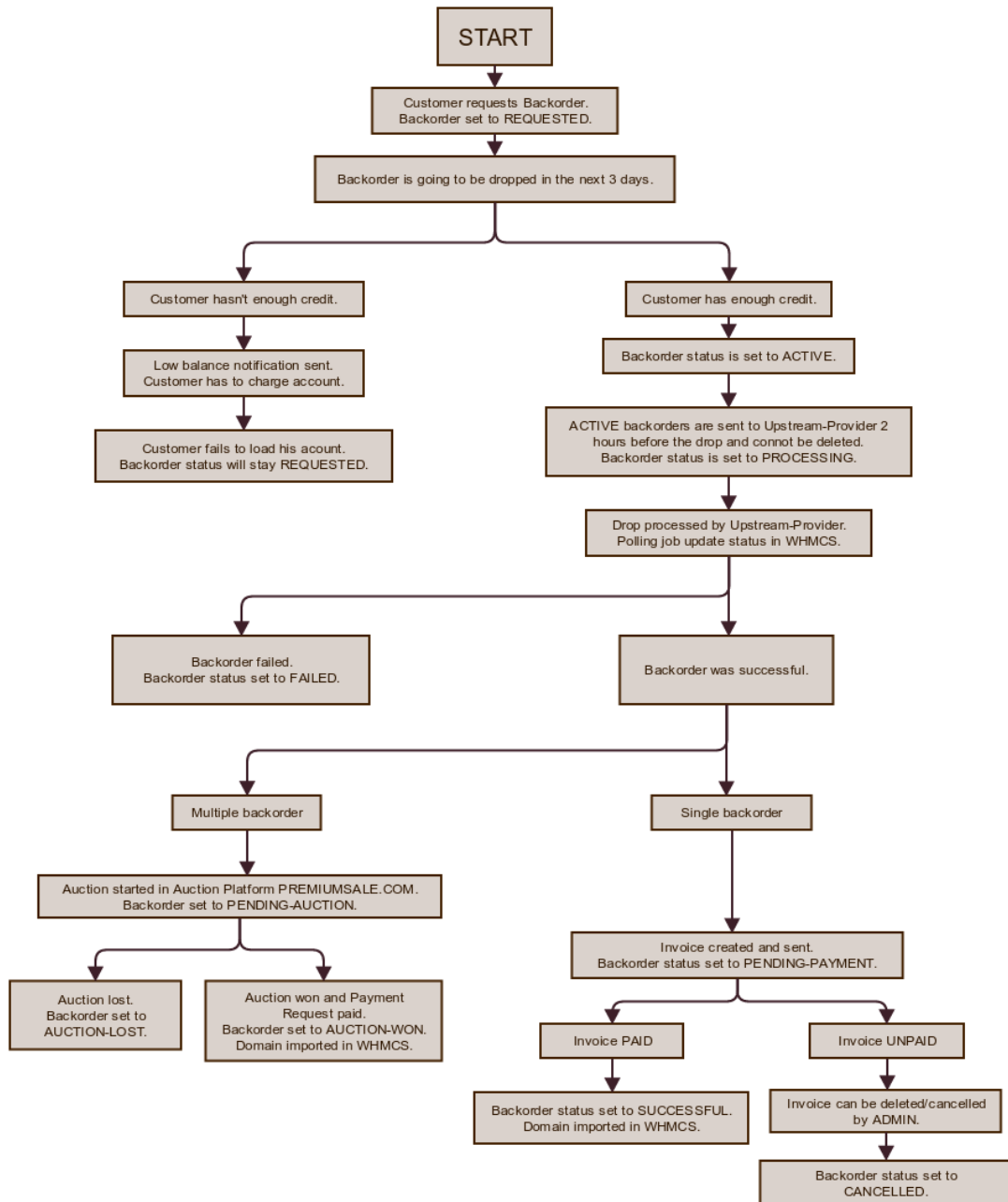
### *Multiple backorder*

If a domain backorder was successfully obtained, but two (2) or more accounts placed backorders for the same domain name (multiple backorders) then the domain name will go to a private auction (between the backorder participants) at [www.premiumsale.com](http://www.premiumsale.com). Emails are automatically sent to the participants by the auction house Premiumsale and the status of the backorder will change from **PROCESSING** to **AUCTION-PENDING**.

The losers of the auction at PremiumSale.com will have the status of their backorders changed from **AUCTION-PENDING** to **AUCTION-LOST**. Any reserved money held for the backorder will be released.

The winning customer of the private auction, once the winning auction bid is paid to PremiumSale.com will have the status of their backorder changed from **AUCTION-PENDING** to **AUCTION-WON**. The winning and paid domain name will show up in the account of the winning bidder.

## 2. Process Diagram for Backorders



## Frontend

Once the addon installed, a new item named “Backorders” will be displayed in the Navigation.

This new navigation item contains 2 pages:

- Expiring Domains
- My Backorders

### Expiring Domains screenshot

The screenshot displays the WHMCS Expiring Domains page. The top navigation bar includes links for Home, Services, Domains, Billing, Support, Open Ticket, and Backorders. The user is logged in as Anthony!.

The main content area is titled "Expiring Domains" and shows a list of domains available for backorder. The list is filtered by "My Backorders (42)". The table shows the following data:

Domain Name	Drop Date (UTC)	Chars	Digits	Hyphens
a-aenterprises.com	2017-03-06 17:00:00	14	0	1
a-and-main.com	2017-03-06 17:00:00	10	0	2
a-asr.com	2017-03-06 17:00:00	5	0	1
a-better-path.com	2017-03-06 17:00:00	13	0	2
a-c-photography.com	2017-03-06 17:00:00	15	0	2
a-desmaissieres.com	2017-03-06 17:00:00	15	0	1
a-div.com	2017-03-06 17:00:00	5	0	1
a-dvice.com	2017-03-06 17:00:00	7	0	1
a-foods.com	2017-03-06 17:00:00	7	0	1
a-lunaazul.com	2017-03-06 17:00:00	10	0	1
a-matldecasnovas.com	2017-03-06 17:00:00	18	0	1
a-mujeresprogresistas.com	2017-03-06 17:00:00	21	0	1
a-oneherbal.com	2017-03-06 17:00:00	11	0	1

The left sidebar contains the following sections:

- My Account:** Account Balance: 682,30 EUR, Reserved Deposits: - 242,00 EUR, Unpaid Invoices: - 0,00 EUR, Funds Available: 440,30 EUR.
- Search:** Search Term, \* Regex supported, TLD (All), Displayed Results (20), Advanced Search, Search button.
- Upcoming Drops:** 2017-03-06, 2017-03-07, 2017-03-08.

My Backorders screenshot

## My Backorders

Backorder / My Backorders

Expiring Domains

### My Account

Account Balance: 682,30 EUR  
 Reserved Deposits: - 400,00 EUR  
 Unpaid Invoices: - 0,00 EUR  
 Funds Available: 282,30 EUR

### Status Filter

REQUESTED (3)  
 ACTIVE (4)  
 SUCCESSFUL (20)  
 FAILED (6)  
 AUCTION-WON (5)  
 AUCTION-LOST (4)  
 Show All (42)

### Create Backorder

domain.tld

Create Backorder

### \$ Pricing

TLD	Price
.com	100,00 EUR
.pizza	120,50 EUR
.city	100,00 EUR
.company	95,00 EUR
.education	100,00 EUR

Show More

Showing 1 to 20 of 42 entries

	ID	Domain Name	Drop Date (UTC)	Status
DELETE	615	evanthonny.com	2017-03-06 17:00:00	ACTIVE
DELETE	583	abbyroadvintage.com	2017-03-06 17:00:00	ACTIVE
DELETE	582	abbylovesmusic.com	2017-03-06 17:00:00	ACTIVE
DELETE	581	abbyandgeoff.com	2017-03-06 17:00:00	ACTIVE
DELETE	499	a-w-a-r-d.com	2017-03-03 17:00:00	SUCCESSFUL
DELETE	498	aakashpunatar.com	2017-03-03 17:00:00	SUCCESSFUL
DELETE	494	a-venl.com	2017-03-03 17:00:00	AUCTION-WON
DELETE	493	aantarikshintl.com	2017-03-03 17:00:00	SUCCESSFUL
DELETE	488	a-kwan.com	2017-03-03 17:00:00	AUCTION-WON
DELETE	477	domain.com	0000-00-00 00:00:00	REQUESTED
DELETE	476	antico.pizza	2017-03-02 11:48:52	FAILED
DELETE	475	bathroom.today	2017-03-03 13:51:10	SUCCESSFUL
DELETE	472	giga.pizza	2017-03-03 13:51:58	SUCCESSFUL
DELETE	471	dededed44444.com	0000-00-00 00:00:00	REQUESTED
DELETE	469	anthonyaverbeck.com	2017-03-03 17:00:00	SUCCESSFUL
DELETE	468	markanthonyfashions.com	2017-03-03 17:00:00	SUCCESSFUL



## Backend

In the admin area of WHMCS a new item will be displayed under **Addon** => **ISPAPI Backorder**.

The backend part of this module contains 3 pages:

- **Manage**

This page allows to manage all the existing backorders.

- **Pricing**

This page allows to manage the pricing of each TLDs. If a price is set to 0 or empty then the customer will not be able to backorder this TLD.

- **Logs**

This page allows to search for a domain and see all the status changes. This is very useful to see what happened exactly to a backorder.

Manage page screenshot

ISPAPI Backorder

Manage Pricing Logs

## Manage Backorders

Reload

Show 50 entries

Search: 

ID	DOMAIN	CLIENT	DROPPATE	STATUS	REFERENCE	
57	tulsi.com	tulsi seelamkurthi [1]	0000-00-00 00:00:00	REQUESTED		Delete
56	000888ka.com	tulsi seelamkurthi [1]	2017-09-06 17:00:00	AUCTION-WON	12255	
55	0001329.com	tulsi seelamkurthi [1]	2017-09-06 17:00:00	SUCCESSFUL	12254	
54	0005251.com	tulsi seelamkurthi [1]	2017-09-06 17:00:00	FAILED	12252	
52	0000000000001.com	tulsi seelamkurthi [1]	2017-09-06 17:00:00	SUCCESSFUL	12253	
51	aaharappliances.com	tulsi seelamkurthi [1]	0000-00-00 00:00:00	CANCELLED	12202	
50	aaguru.com	tulsi seelamkurthi [1]	0000-00-00 00:00:00	CANCELLED	12201	
49	aaflead.com	tulsi seelamkurthi [1]	0000-00-00 00:00:00	SUCCESSFUL	12200	
48	aafmarketing.com	tulsi seelamkurthi [1]	0000-00-00 00:00:00	SUCCESSFUL	12199	
47	aafreply.com	tulsi seelamkurthi [1]	0000-00-00 00:00:00	AUCTION-WON	12198	

Showing 1 to 10 of 10 entries

Previous 1 Next

Pricing page screenshot

ISPAPI Backorder

[Manage](#) [Pricing](#) [Logs](#)

## Backorder Pricing

Extension	USD	EUR	GBP	
com	<input type="text" value="10.00"/>	<input type="text" value="60.00"/>	<input type="text" value="70.00"/>	<a href="#">Delete</a>
org	<input type="text" value="30.00"/>	<input type="text" value="50.00"/>	<input type="text" value="40.00"/>	<a href="#">Delete</a>
de	<input type="text" value="10.00"/>	<input type="text" value="10.00"/>	<input type="text" value="10.00"/>	<a href="#">Delete</a>
net	<input type="text" value="13.00"/>	<input type="text" value="12.00"/>	<input type="text" value="37.00"/>	<a href="#">Delete</a>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

[Save Changes](#)

Logs page screenshot

ISPAPI Backorder

Manage Pricing Logs

**Backorder Logs**

Reload

Show  entries Search:

ID	CRON	DATE	STATUS	MESSAGE
215	DAILY_DROPDATE_SYNCH	2017-09-07 01:01:01	ok	DAILY_DROPDATE_SYNCH done
214	DAILY_IMPORT_PENDINGDOMAINLIST	2017-09-07 00:03:25	ok	DAILY_IMPORT_PENDINGDOMAINLIST done
213	DAILY_IMPORT_PENDINGDOMAINLIST	2017-09-07 00:01:01	ok	DAILY_IMPORT_PENDINGDOMAINLIST started
212	DAILY_DROPDATE_SYNCH	2017-09-06 11:01:01	ok	DAILY_DROPDATE_SYNCH done
211	BATCH_POLLING	2017-09-06 11:00:02	ok	BACKORDER picksdomain.com (backorderid=35) set from PROCESSING to FAILED
210	BATCH_POLLING	2017-09-06 11:00:02	ok	BACKORDER testdomainteest.com (backorderid=34) set from PROCESSING to FAILED

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- **Technical Support:** [support@hexonet.net](mailto:support@hexonet.net)