

# Product Configuration

## PowerDNS module WHMCS

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### Add new product to WHMCS

System Settings->Products/Services->Create a New Product

In the **Module settings** section, select the **"PUQ PowerDNS"** module

DetailsPricingModule SettingsCustom FieldsConfigurable OptionsUpgradesFree DomainCross-sellsOtherLinks

Module NamePUQ PowerDNS

Server GroupNone

License key

PZNRXN- -DOUOL2  
success: 2024-09-29T13:50:30+02:00

Max Zones

6  
The number of zones that allows you to add

Edit SOA

Yes  
Allow client to edit SOA record

Restrictions

Zone name filter

Each regular expression on a new line

Nameservers

Nameserver 1

ns1.puqcloud.com

Nameserver 2

ns2.puqcloud.com

Nameserver 3

ns3.puqcloud.com

Nameserver 4

ns4.puqcloud.com

Zone administrator email

admin@puqcloud.com

Update interval

86400  
Default - 86400

Retry interval

7200  
Default - 7200

Expiry time

3600000  
Default - 3600000

Minimum lifetime

3600  
Default - 3600

- **License key:** A pre-purchased license key for the **"PUQ PowerDNS"** module. For the module to work correctly, the key must be active
- **Max Zones:** The number of zones that will be available for the client to manage.
- **Edit SOA:** Whether to allow the client to manage the SOA record.
- **Zone name filter:** In this field, you can enter regular expressions to filter zone names that the client can add. Each filter should be on a separate line, and each filter is checked in sequence, meaning the zone will not be added if even one filter matches.

- **Nameservers:** In this section, enter the name servers that will be added to the zone (Your DNS cluster).
- **SOA:** In this section, enter all the SOA record parameters that will be used by default.

## Zone template

Nameserver 4

ns4.puqcloud.com

Zone template

Template

```

@      A      3600  192.168.1.1
@      A      3600  192.168.1.3

www    A      3600  192.168.1.2
www2   A      3600  192.168.1.3

@      AAAA   3600  2001:0db8:85a3:0000:0000:8a2e:0370:7334
@      AAAA   3600  2001:0db8:85a3:0000:0000:8a2e:0370:7336

www    AAAA   3600  2001:0db8:85a3:0000:0000:8a2e:0370:7335
www2   AAAA   3600  2001:0db8:85a3:0000:0000:8a2e:0370:7335

ftp     CNAME  3600  {zone}
ftp2    CNAME  3600  example.com

@      MX     3600  10 mail.{zone}
@      MX     3600  20 backupmail.{zone}

@      TXT     3600  v=spf1 ip4:192.168.1.1 -all
@      TXT     3600  SOME TXT TEXT

_dmarc  TXT     3600  v=DMARC1; p=none; rua=mailto:dmarc@{zone}
_dmarc  TXT     3600  v=DMARC1; p=none; rua=mailto:dmarc@{zone}

@      CAA    3600  0   issue  letsencrypt.org
@      CAA    3600  0   issuewild comodoca.com
@      CAA    3600  0   iodef  mailto:admin@{zone}

_sip_udp NAPTR  3600  100 10 S SIP+D2U * sip.{zone}.

_sip_tcp SRV     3600  10 5 5060 sipserver.{zone}

```

(zone) - will be replaced to original zone name  
format: name type ttl content

Here are the rules for creating DNS records. These records will be automatically generated when a zone is created. Placeholders like `{zone}` will be replaced with the actual zone name. The format for defining records is as follows:

### Format:

`name type ttl content`

## Explanation:

### 1. name:

- This specifies the name of the subdomain or record.
- For example, `ftp` will expand to `ftp.<zone.name>`.
- Use `@` to refer to the main zone (root domain).

### 2. type:

- The type of DNS record.
- Examples include: `A`, `AAAA`, `MX`, `CNAME`, `TXT`, `SRV`, `CAA`, `DNSKEY`, `DS`, `NAPTR`, `TLSA`

### 3. **ttl (Time To Live):**

- The duration (in seconds) for which the record is cached by DNS resolvers.
- Recommended default is `3600` seconds (1 hour).

### 4. **content:**

- The value or data for the record, provided without abbreviations or placeholders.
- For example, for an `A` record, this would be the IPv4 address.

These rules ensure consistency and accuracy when defining DNS records for your zones.

## Example Zone Records Template

### A Records (IPv4):

@	A	3600	192.168.1.1
@	A	3600	192.168.1.3
www	A	3600	192.168.1.2
www2	A	3600	192.168.1.3

### AAAA Records (IPv6):

@	AAAA	3600	2001:0db8:85a3:0000:0000:8a2e:0370:7334
@	AAAA	3600	2001:0db8:85a3:0000:0000:8a2e:0370:7336
www	AAAA	3600	2001:0db8:85a3:0000:0000:8a2e:0370:7335
www2	AAAA	3600	2001:0db8:85a3:0000:0000:8a2e:0370:7335

### CNAME Records (Aliases):

ftp	CNAME	3600	{zone}
ftp2	CNAME	3600	example.com

### MX Records (Mail Exchange):

@	MX	3600	10 mail.{zone}
@	MX	3600	20 backupmail.{zone}

### TXT Records (Text Data):

@	TXT	3600	v=spf1 ip4:192.168.1.1 -all
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@	TXT	3600	SOME TXT TEXT	
_dmarc	TXT	3600	v=DMARC1; p=none; rua=mailto:dmarc@{zone}	

**CAA Records (Certification Authority Authorization):**

@	CAA	3600	0 issue	letsencrypt.org
@	CAA	3600	0 issuewild	comodoca.com
@	CAA	3600	0 iodef	mailto:admin@{zone}

**NAPTR Record (Naming Authority Pointer):**

_sip._udp	NAPTR	3600	100 10 S SIP+D2U *	sip.{zone}.
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**SRV Records (Service Locator):**

_sip._tcp	SRV	3600	10 5 5060	sipserver.{zone}
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# Key Notes:

- **@**: Represents the main zone (e.g., the root domain).
- **Placeholders like {zone}**: Will be replaced by the actual zone name during execution.
- **TTL (Time to Live)**: Use 3600 seconds by default, which is standard for DNS records.
- Adjust records based on your specific zone requirements. These templates cover common DNS record types for a functional zone configuration.