

# Introduction

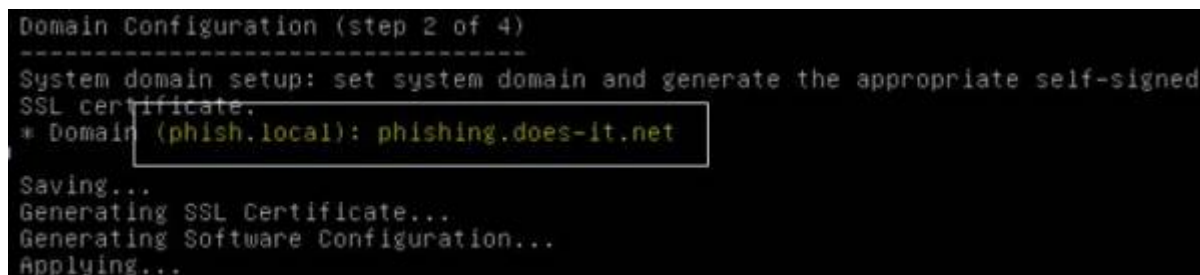
LUCY works with virtualized servers. That's why you can run multiple campaigns with different domain names in parallel on the same IP. There are no limitations on the number of domains you can map to LUCY. When you buy our [VPS option](#) you already have 1 domain included. You can add more domains to the VPS yourself using the registration wizard in LUCY or ask us to configure this for you.

Depending on the license model you will already have credits within your installation which you can use to reserve new domains. The prices vary between 0.15 cent per domain (e.g. .xyz or .online) to 15 USD per domain (e.g. TLD like .com).

If you define a domain in LUCY's web GUI, it can only be used for the phishing campaign – not the Admin access. By default the administrative access works only with an IP address; however, LUCY's administrative access can still be reached using a domain name in the browser. This works only if you have defined [Domain Name in the Initial Setup Script](#). Please note that this can be done only if you choose the Manual Setup instead of the Automatic Setup. It is also only possible to map 1 domain for the administration UI.

## DNS Records for the admin interface

In order to reach the admin interface with your custom domain you need to configure this domain within the Linux [setup script](#). Choose the domain configuration and enter the FQDN of your server in there:



```
Domain Configuration (step 2 of 4)
-----
System domain setup: set system domain and generate the appropriate self-signed
SSL certificate.
* Domain (phish.local): phishing.does-it.net
Saving...
Generating SSL Certificate...
Generating Software Configuration...
Applying...
```

LUCY will generate the according certificate for that domain and you will be able to access LUCY using this domain name. If you want to create a trusted certificate for this domain you can go to the [ssl settings](#) menu and choose "**Lets Encrypt**" which will automatically display the domain name created in the setup script. The field is always greyed out as it cannot be configured within the web interface:

Home / SSL Settings

## SSL Settings

☒ Use Custom SSL Certificate ?

SSL Provider:  ?

Domain:  ✓

Let's Encrypt needs a publicly available domain name to generate a certificate. Please make sure your domain is accessible and points to Lucy.

E-mail:

Your Company (C):

## Access LUCY from remote

The DNS record determines under which name or IP address LUCY can be reached **in a campaign** from the internet/intranet. If you want remote users to be able to access LUCY with a domain name, you need to define a DNS entry. You have four options:

- Use the Public IP from LUCY
- Use the Private IP from LUCY
- Use a Public Domain for LUCY
- Use a Dynamic Domain for LUCY

### Use the Public IP from LUCY

You can select this option if LUCY is located on a server on the internet that can be reached with a fixed public IP address.

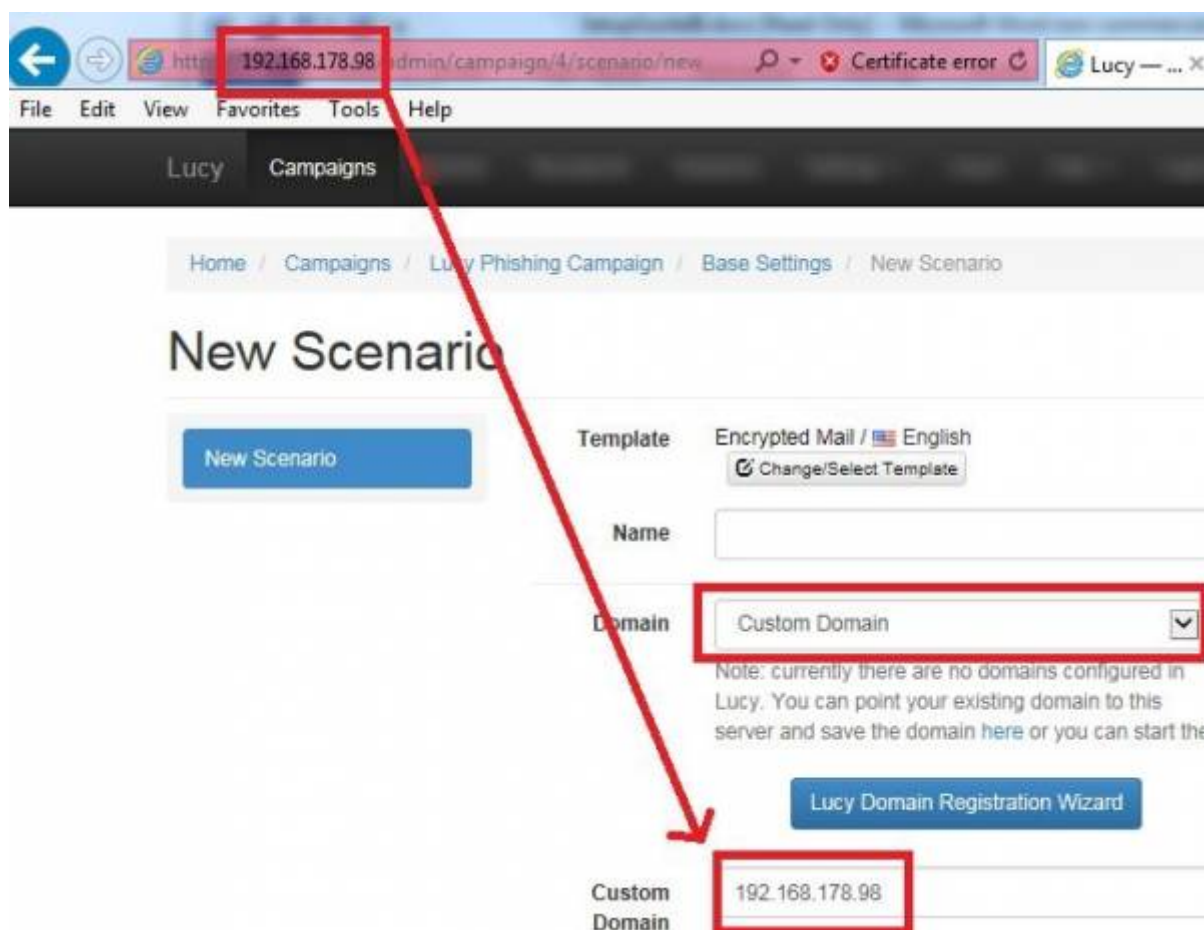
Domain:  ?

Note: currently there are no domains configured in Lucy. You can point your existing domain to this server and save the domain [here](#) or you can start the

Custom Domain:  ?

### Use the Private IP from LUCY

If LUCY is located on a private network, you have to select the option **"Custom Domain"** and enter the private IP address which you see in the browser into the proper field. Using Port Forwarding on your firewall you still might be able to make LUCY accessible from the internet.



## Use a Dynamic Domain for LUCY

This option allows you to run LUCY in a private network (e.g. on your laptop) and make it accessible from the internet (assuming your firewall allows port forwarding rules for a specific host). Service like DynDNS will allow you to run LUCY on a private IP behind a NAT Device. The Dynamic DNS account information can be saved in Settings/DynamicDNS.

First, define the Dynamic Domain in **"Settings/Domain"** and mark the domain as **"Dynamic"**.

Settings ▾

Templates ▸

Benchmark Sectors

**Domains**

Dynamic DNS

dynamic-domain.com

☒ **Dynamic**

Please select...

☐ Use custom Not Found Template.

**Save**

After selecting your Dynamic DNS service you can save your authentication details and the domain will become available in the Base Settings of the campaign.

Settings ▾

Templates ▸

Benchmark Sectors

Domains

**Dynamic DNS**

**DynDNS Login**

**DynDNS Password**

## Use a Public Domain for LUCY

1. **Option 1: You don't have a domain yet:** If you don't have a domain registered yet, you can use the integrated *LUCY Domain Registration Wizard*. This feature is only available for commercial licenses, allowing you to reserve all the available domain names for an affordable price. Commercial clients have a built-in budget for using the domain API and are also able to later add credits for the domain reservation.
2. **Option 2: You already have a domain:** In order to use a Public Domain you need to add the domain in the settings menu "**Domain Settings**". The domain has to be saved without the subdomain (correct domain: "example.com" | wrong domain: "[www.example.com](http://www.example.com)"). The subdomain can be defined in the campaign at a later stage.

The screenshot shows the 'New Domain' page. At the top, there is a breadcrumb trail: 'Home / Domains / New Domain'. Below this is the title 'New Domain'. The main form has a 'Domain' label and a text input field containing 'example.com'. Below the input field is a checkbox labeled 'Dynamic' which is unchecked. At the bottom of the form is a blue 'Save' button.

**Note:** If you defined a domain within the Settings like example.com, you can select it in the drop-down menu "**Domain**". Once you have selected the domain, another drop-down menu appears where you can add the subdomain like "www".

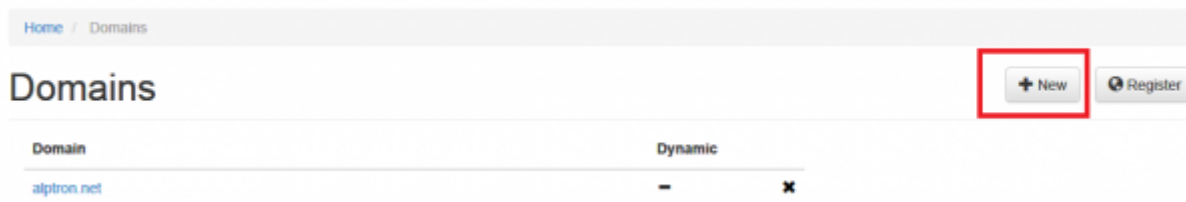
## Technical Malware Simulation

The screenshot shows the 'Technical Malware Simulation' settings page. On the left is a sidebar with a menu: 'Summary', 'General Settings' (highlighted with a red box), 'Landing Page Template', 'E-mail Template', and 'Errors'. A red arrow points from the 'General Settings' box to the 'Subdomain' field. The main form has a 'Template' section with 'Technical Malware Test / English' and a 'Change/Select Template' button. Below this is a 'Name' field with 'Technical Malware Simulation'. The 'Domain' field is a dropdown menu showing 'alptron.net'. The 'Subdomain' field is a text input containing 'www', which is also highlighted with a red box. At the bottom, there are two checkboxes: 'Setup Wizard' and 'Use SSL', both of which are unchecked.

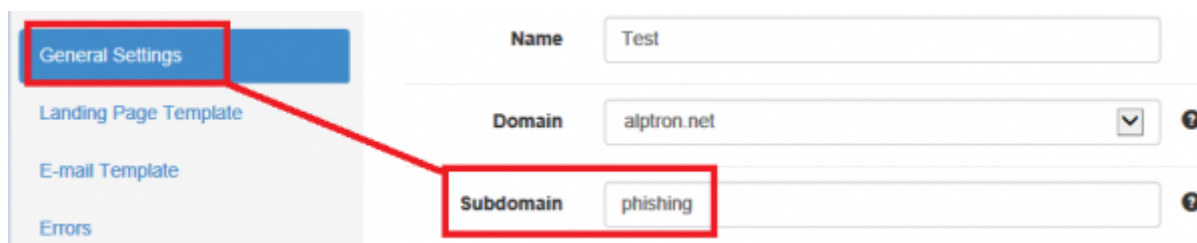
If you configure as a domain "example.com" the phishing campaign will be only reachable via: `http(s):example.com` but not `http(s):www.example.com`-

## Configuring Sub Domains (A-records)

LUCY allows you to allocate specific subdomains for a given Domain Name. Let's assume you have registered the domain "example.com" and want traffic only for the A-Record "phishing" to be redirected to LUCY. You need to first enter the Domain Name "example.com" in the **Domain Settings** (create a new record called "example.com" without the subdomain).



The subdomain can be later defined in the specific campaign (see screenshot) under General Settings.



**Please note:** you can host campaigns with multiple subdomains using the same domain name in different campaigns within LUCY (e.g. domain1.example.com & domain2.example.com). In order to map multiple a-records to LUCY you need to create the according DNS record (usually providers offer you to save a wildcard DNS A-record like \*.yourdomain.com which allows you to use any subdomain you want). If you registered the domain through LUCY's API, then we have automatically created such a wildcard subdomain record for you and it will work immediately.

## Register a New Domain through LUCY

### Introduction

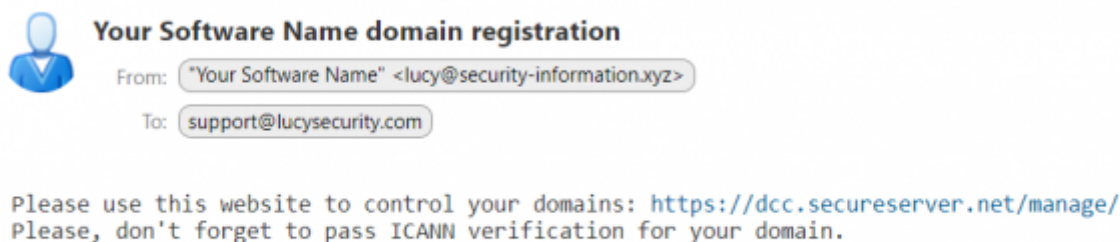
LUCY offers a Domain Registration Wizard (either within a campaign or by accessing the DNS settings). Most commercial licenses come with a 20 \$ deposit which usually will allow you to reserve 1-3 domains. You can see your current balance within the license (under settings/license).

**How to reserve your domain** You can look for specific domain names and buy them using the Domain Wizard. LUCY will automatically create a DNS record for your domain and register LUCY's Public IP for the domain. We also automatically reserve a wildcard domain. So if you would reserve a domain like "webmailaccess24.com" we would make sure that all subdomains (like access.webmailaccess24.com, test.webmailaccess24.com, [www.webmailaccess24.com](http://www.webmailaccess24.com), etc.) also point to LUCY.

**Make sure you leave a valid e-mail address within the domain reservation form.**

Our provider will send you a confirmation mail with access to the portal where the purchased domain

can be edited (for example, the DNS entries added or modified)



**How long does it take before the domain can be used in a campaign?** When you make a DNS change, it takes time for the changes to take effect. This is called DNS propagation. It is the time it takes for the domain DNS to refresh the cache on the network. DNS will refresh according to the "TTL" or "Time To Live". When the DNS refreshes according to its TTL. When you create new DNS records it can take up to 48 hours for those updates to propagate throughout the Internet.

**Will my registration information be available to anyone on the internet?** Your info from the registration form will not appear within the WHOIS database as we automatically add the WHOIS protection package to your order (free of charge).

**Are domains auto-renewed?** Domains are only purchased for one year. They do not auto-renew

**How can the domains be renewed?** You will get a notification on the LUCY dashboard before a domain expires. Additionally, our provider will send you an expiry notification. If you want to renew the domain you can drop us an email and we will renew it for you.

**How can I terminate a domain?** Domains are terminated automatically after a year. If you don't want the domain to work anymore, you can delete the according DNS records within the domain admin panel yourself.

**Will you be able to manually take control over the DNS settings/administration?** The API will create all the necessary DNS settings (SPF, wildcard a-record, MX record, etc.) so there will be no need to do any DNS settings yourself. But if you still need to take control over the domain purchased through LUCY, you can edit the DNS entries by accessing the domain portal (provided during the initial domain registration) or by contacting the LUCY Support team.

**I see an error message "Error creating domain" - what can I do?** This error appears if our DNS provider is not accepting the registration. There are many reasons for such an error (temporary network issue on the provider's side, the domain requires an additional verification process which cannot be provided via API, the domain syntax is incorrect and cannot be reserved, you didn't provide the necessary information, etc.). Try the following steps:

- You can re-try a few minutes later.
- Please try again filling out ALL fields in the registration form
- If it still fails please try to register the domain directly at a provider (e.g. [www.namecheap.com](http://www.namecheap.com)) and enter all the necessary registrant information manually.

**Which license is required to reserve a domain through LUCY?** The domain registration feature is only available for commercial clients (clients who bought a variable or fixed priced license).

[Home](#) / [Domains](#)

# Domains

[+ New](#) [Register](#)

Domain	Dynamic
<a href="#">alptron.net</a>	<a href="#">-</a> <a href="#">x</a>

[Lucy](#) [Domains](#) [Register](#) [Settings](#) [Help](#) [Logout](#)


Please wait while the domain is being checked.

[Home](#) / [Domains](#) / [Register Domain](#)

## Register Domain

Please note, that it may take 4-8 hours for new domain to become available.  
Some DNS servers need time to get information about newly registered domains.

Domain



[Check Availability](#)

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[Home](#) / [Domains](#) / [Register Domain](#)

# Register Domain

**Current Balance**

\$0.00

Please refill your balance to register this domain through Lucy.

**Domain Price**

\$10.69

**Domain**

new-lucy.com

**IP**

91.228.53.87

## Domain Registrant Data

**Organization****First Name****Last Name****Address****City****State****ZIP****Country****Phone Number****Email Address**

## Email Forwarding

**Mailbox****Forward To**[Register](#)

**Note:** you can always create an e-mail forwarding account. Let's assume you reserved the domain example.com. You can create here an e-mail forwarding service for one mail account (e.g. info@example.com) and have our provider forward all answers to that mail account to a specific address (e.g. jon.doe@yourcompany.com).

Domain	<input type="text" value="simplewebservices.xyz"/>	?
IP	<input type="text" value="91.228.53.87"/>	

**Domain Registrant Data**

Organization	<input type="text" value="Lucy Phishing GmbH"/>	
First Name	<input type="text" value="Jon"/>	
Last Name	<input type="text" value="Doe"/>	
Address	<input type="text" value="Some Street"/>	
City	<input type="text" value="Some City"/>	
State	<input type="text" value="Some State"/>	
ZIP	<input type="text" value="10000"/>	
Country	<input type="text" value="Switzerland"/>	
Phone Number	<input type="text" value="+4172738389"/>	?
Email Address	<input type="text" value="info@phishing-server.com"/>	

**Email Forwarding**

Mailbox	<input type="text" value="info@simplewebservices.xyz"/>	
Forward To	<input type="text" value="info@phishing-server.com"/>	

## Register a New Domain through your provider

### Add your domain to Lucy

You can register the desired domain with your own provider and point the DNS records to LUCY.

Simply go to **Settings → Domain**. Then click **"New" (1)**. Add your domain without the subdomain **(2)** and then click **"Save" (3)**:

The screenshot shows a 'New Domain' form. At the top, there's a '+ New' button (1). Below it, the 'Domain' input field contains 'company.com' (2). At the bottom, there's a 'Save' button (3). There are also checkboxes for 'Dynamic' and 'Use custom Not Found Template'.

## Create the DNS records that point to Lucy

You should create the following DNS records (the name of the fields may vary from provider to provider. Please check the online documentation of your provider to learn how to set those DNS records):

A type ①	Name ①	date ①	TTL ①
A	@	65.108.89.28	600 sec.
A	*	65.108.89.28	600 sec.
NS	@	ns11.domaincontrol.com.	1 hour
NS	@	ns12.domaincontrol.com.	1 hour
CNAME	_domainconnect	_domainconnect.ss.domaincontrol.com.	1 hour
SOA	@	Primary nameserver: ns11.domaincontrol.com.	1 hour
MX	@	mail.bowwonder69.com. (Priority: 10)	600 sec.
TXT	@	v=spf1 ip4:65.108.89.28 ~all	600 sec.
TXT	*	v=spf1 ip4:65.108.89.28 ~all	600 sec.

1. Create a **wildcard subdomain record**: this record will allow you to use any type of subdomain in LUCY (e.g. [www.yourdomain.com](http://www.yourdomain.com), [test.yourdomain.com](http://test.yourdomain.com), [access.yourdomain.com](http://access.yourdomain.com), etc.). All subdomains will point to the same IP address. To create a wildcard record click **"Create/Add new record"** in your domain administration panel, choose record type as **"A"** and as a host/name choose **"\*"** (without the quotes) and as a value use the **public IP** of LUCY.
2. Create an A-record with a host/name field set to **"@"** (without the quotes) and **public IP** of LUCY as a value.

3. Create **two** SPF records. In your domain administration panel click "**Create/Add new record**", choose record type as "**TXT**" then set the host/name field to "@" and insert the **TXT Value** field with your SPF record (if your IP is 65.108.89.28 then your SPF could be "v=spf1 ip4:65.108.89.28 ~all"). Then create another SPF record with the host/name field to "\*" and insert the **TXT Value** field with your SPF record.
4. Create an MX record by selecting "**Create/Add new record**". Choose record type as "**MX**", put "@" in the host field, and an a-record like "**mail.yourdomain.com**" as a value (any a-record will work since you created a wildcard DNS record before). If necessary set a priority (e.g. "10").

From:

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Last update: **2022/01/17 20:04**

