## **Elastic IP Address and DNS**

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## Introduction

Because remembering IP Addresses is a tricky task, we can associate our Elastic IP Address with a DNS name. If you have a domain, then you can do this via your domain control panel. If you don't have a domain, then you can do this using a free domain provider.

This isn't specific to Amazon, I just put it here because its pertinent to the Elastic IP Address you just created and assigned to your instance.

For this example, I am using my domain provider LCN. You will have to use the control panel of your domain provider, the hardest part of this will be finding the correct page on your domain console, the rest is easy.

My Elastic IP in the example where we created an Elastic IP Address Create Elastic IP Address Tutorial is 35.177.4.81. I am using part of a domain called alanwalker.eu.

Now for those who might not know, the first part of any domain name like www.google.co.uk or mail.quickmail.co.uk is called the A Record. The A Record allows lots of subdomains that have different IP Addresses to be associated with a single top level domain name.

Lets assume I own the domain name super.com and I want to run a web server, mail server, media server and a wiki, I could do something like this:

Web Server www.super.com 81.2.5.10 Mail Server mail.super.com 81.2.5.11 Media Server media.super.com 81.2.5.12 Wiki Server wiki.super.com 81.2.5.13

So I have four sub domains, created by adding four A records (web, mail, media and wiki) and I have associated an IP Address to each one, these would be four Elastic IP Addresses. Each Elastic IP Address would map to a different EC2 Instance (yes you could use a single instance, but that's another level of complication).

## Setup

After I have logged in to my domain provider, I need to do the following stepts: Select the relevant domain Select DNS settings Select Add A Record.

I will then see this page.

DNS Settings: Create 'A' X	Alan		×
← → C	ww.lcn.com/my_account/domains/787978/dns/new/a	☆	:
& 01438 342 490 Sale LCN Domains - Email Hos	Blog Support Contact Webmail My Account Alan Walker Log out   Sale Sale New   sting ← Cloud Servers SSL Web Design \vec{w} Show prices with VAT	Ē	
Current Domain Manage Domain Web Forwarding Email Addresses DNS Settings Nameservers Transfer Away Update Owner Details Composition Domains Hosting Composition Hosting Composition Email Addresses	Create 'A' Record for: alanwalker.eu Hostname <i>i</i> testweb alanwalker.eu IP Address <i>i</i> 35.177.4.81 ADD A RECORD		
SSL Certificates			
Web Apps	Chat to us!		

Here I can add a new A Record, I am using testweb, my domain is alanwalker.eu so my complete domain name will be testweb.alanwalker.eu. For the IP Address we need to add our AWS Elastic IP Address.

Once added, we should see something like the following page.

C LCN.com Ltd [GB] http:	s://www.lcn.cor	n/my_account/domains/787978/c	ns				☆	
Your A record has been success	fully created						X	
Pomains	If you made changes more than 24 hours ago or need any help make changes to your domain's DNS, we have a whole bunch of <u>handy quides</u> . Alternatively, <u>get in touch</u> .							
Hosting	'A' R	ecords How to create an A	ecord					
@ Email Addresses		s records are used to point your don		an IP address, e.g. to the serv	ver which hos	sts your website.		
SSL Certificates		From Hostname	i	To IP Address	i			
Cloud Servers		B						
Web Apps		-						
		second and an a						
(C) Webmail								
Renewals						-		
		testweb.alanwalker.eu		35.177.4.81		Edit		
🔄 Auto Renew		all an other				-		
Tickets	X D	ELETE A RECORDS + ADD AN A	RECORD					
Orders & Billing	_							
Contacts	CNA	ME Records How to crea	te a CNAME	record				
cilia	CNAME	E or Canonical name records are us	d to man or n	oint one bostname to and	Chat to us!			ļ

When you make DNS changes, they can take 24-48 hours to propergate around the entire world. So you might see some people can initially connect to the domain, while other cannot, depending on who their ISP is.

If I open a browser and navigate to testweb.alanwalker.eu I can connect to my AWS EC2 instance, without having to remember the Elastic IP Address.

Test Page for the Apache		Alan		×							
← → C (i) testweb.alanwalker.eu			☆	:							
Amazon Linux AMI Test Page											
This page is used to test the pro Apache HTTP server installed a		er after it has been installed. If you can read this page, it means that the									
If you are a member of the	general public:	If you are the website administrator:									
just visited is either experiencing maintenance.	s page indicates that the website you g problems, or is undergoing routine	You may now add content to the directory /var/www/html/. Note that until you do so, people visiting your website will see this page, and not your content. To prevent this page from ever being used, follow the instructions in the file /etc/httpd/conf.d/welcome.conf.									
you've seen this page instead o send them e-mail. In general, m	histrators of this website know that f the page you expected, you should all sent to the name "webmaster" main should reach the appropriate	You are free to use the image below on web sites powered by the Apache HTTP Server:									
For example, if you experienced www.example.com, you should "webmaster@example.com".		Powered by 2.2									
For information on Amazon Linu AWS website.	ux AMI , please visit the <u>Amazon</u>										

This is particularly useful if you have a lot of instances and a lot of elastic IP Addresses.

From:

http://cameraangle.co.uk/ - WalkerWiki - wiki.alanwalker.uk

Permanent link: http://cameraangle.co.uk/doku.php?id=elastic\_ip\_address\_and\_dns

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