

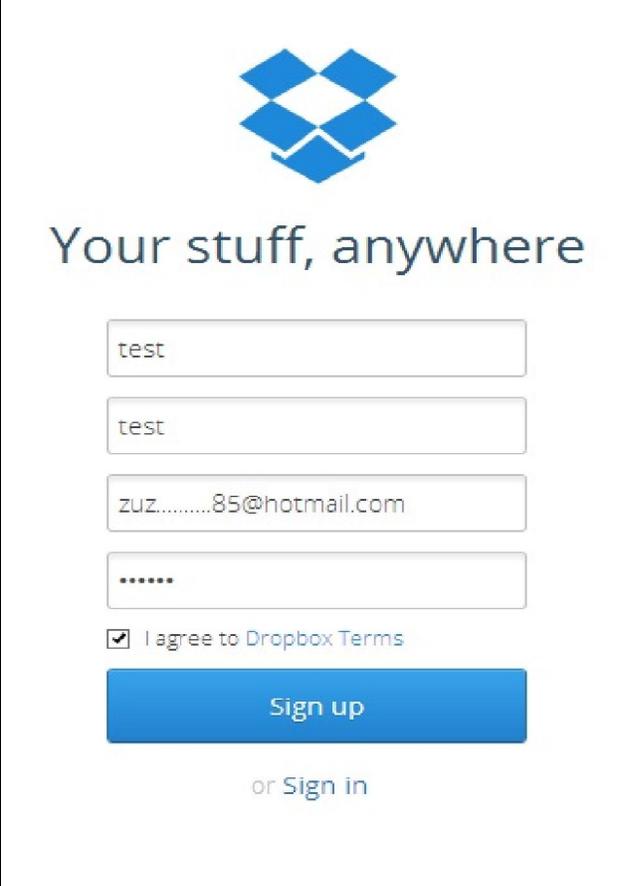
<b>Title</b>	Bypassing 2 Factor authentication on DropBox
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<b>Date</b>	June 10 <sup>th</sup> , 2013
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<b>Disclaimer</b>	This document is intended only as a demonstration for educational or testing purposes. It is not intended for any unauthorized or illicit purpose.

**Prerequisite:**

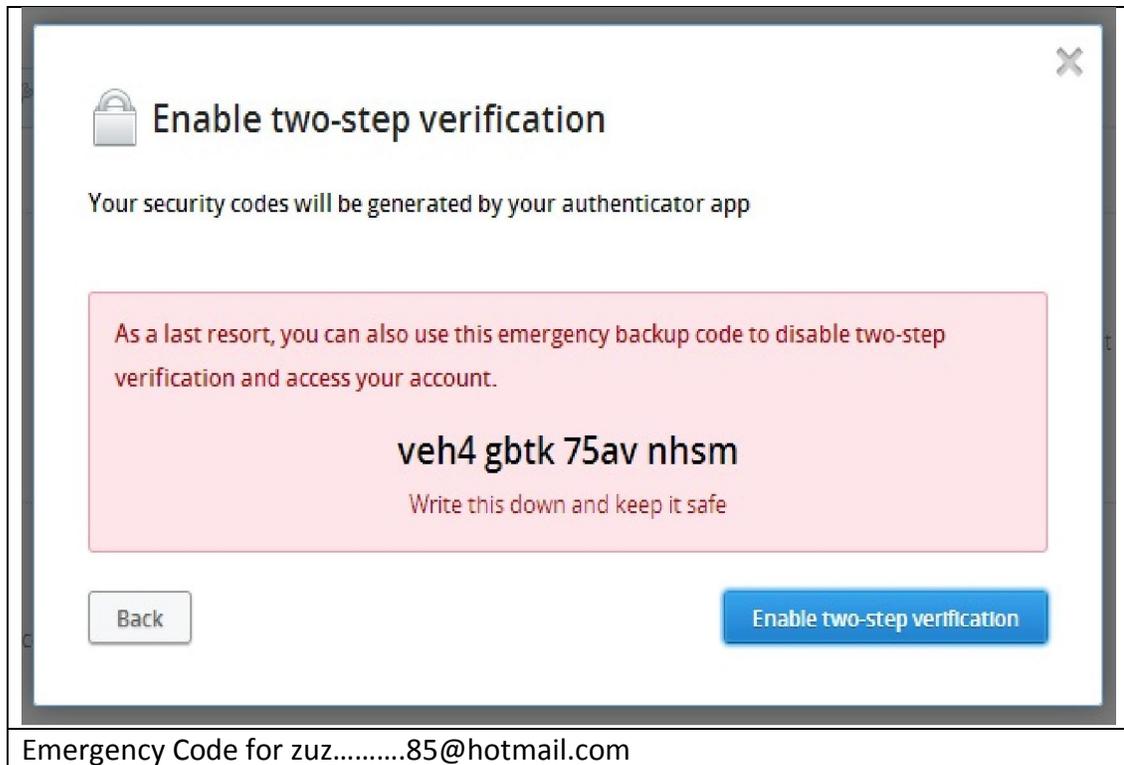
- Attacker should already know the username and password of the victim. (Key-logger, easy to guess password, cross-site shared password, etc..)

**Steps:**

1. Create a new fake account similar to the target’s account and append a dot (.) anywhere in the email address. The email address can be a bogus one, because DropBox does not verify the authenticity of the email addresses used.

	
<p>Genuine Account</p>	<p>Creation of Attacker Account</p>

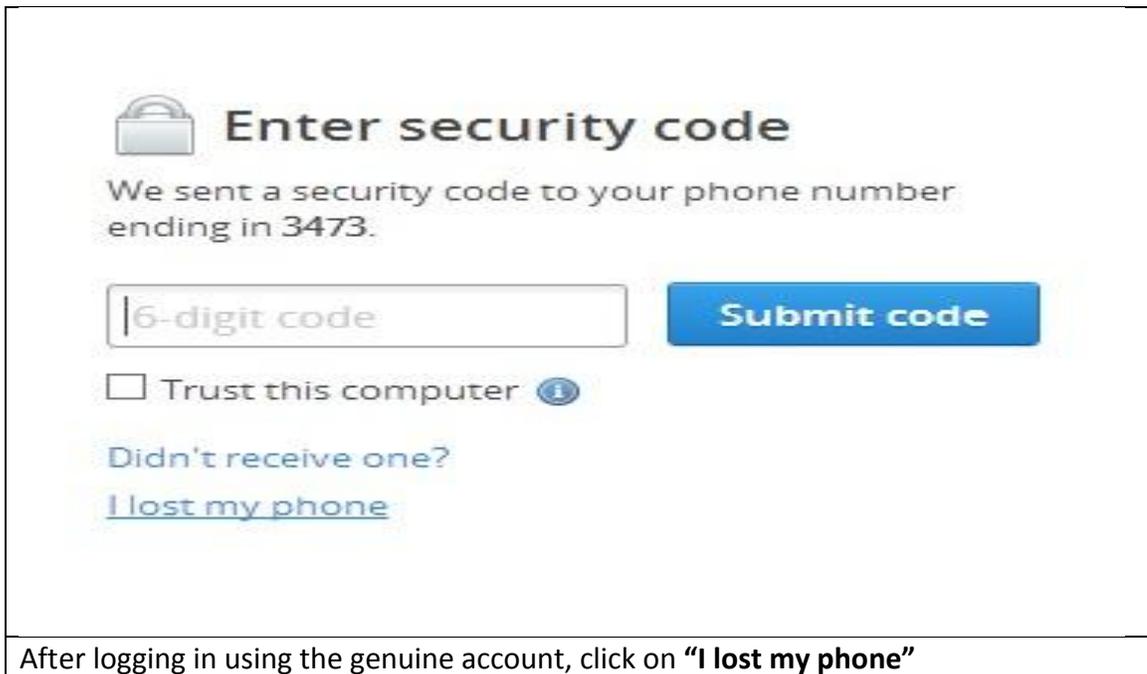
2. Enable 2-factor authentication for the fake account, and save the emergency code generated at the end of the process. This will be the attack vector.



3. Logout of the fake account, and login using the genuine account using the real credentials.



- When instructed to enter the OTP code, choose "I Lost My Phone". You will be prompted to use the "Emergency Code".



 **Enter security code**

We sent a security code to your phone number ending in 3473.

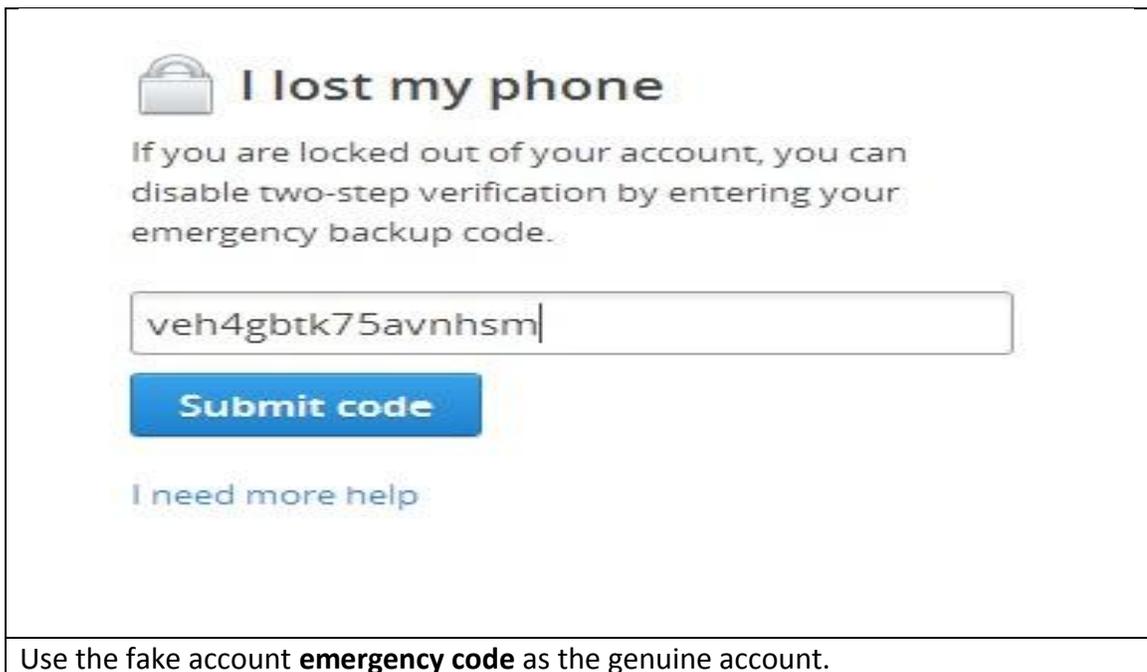
[Submit code](#)

Trust this computer 

[Didn't receive one?](#)  
[I lost my phone](#)

After logging in using the genuine account, click on "I lost my phone"

- Use the emergency code generated for the fake account to disable 2-Factor authentication on the genuine account.



 **I lost my phone**

If you are locked out of your account, you can disable two-step verification by entering your emergency backup code.

[Submit code](#)

[I need more help](#)

Use the fake account **emergency code** as the genuine account.

6. Success, 2-factor authentication for the genuine account is disabled using the emergency code of the fake account.

