

Created By: [Mritunjay Kumar](#)

Logical Misconfiguration leading to account takeover on the Atlan Collect Android Application.

Prerequisites: 2 user accounts

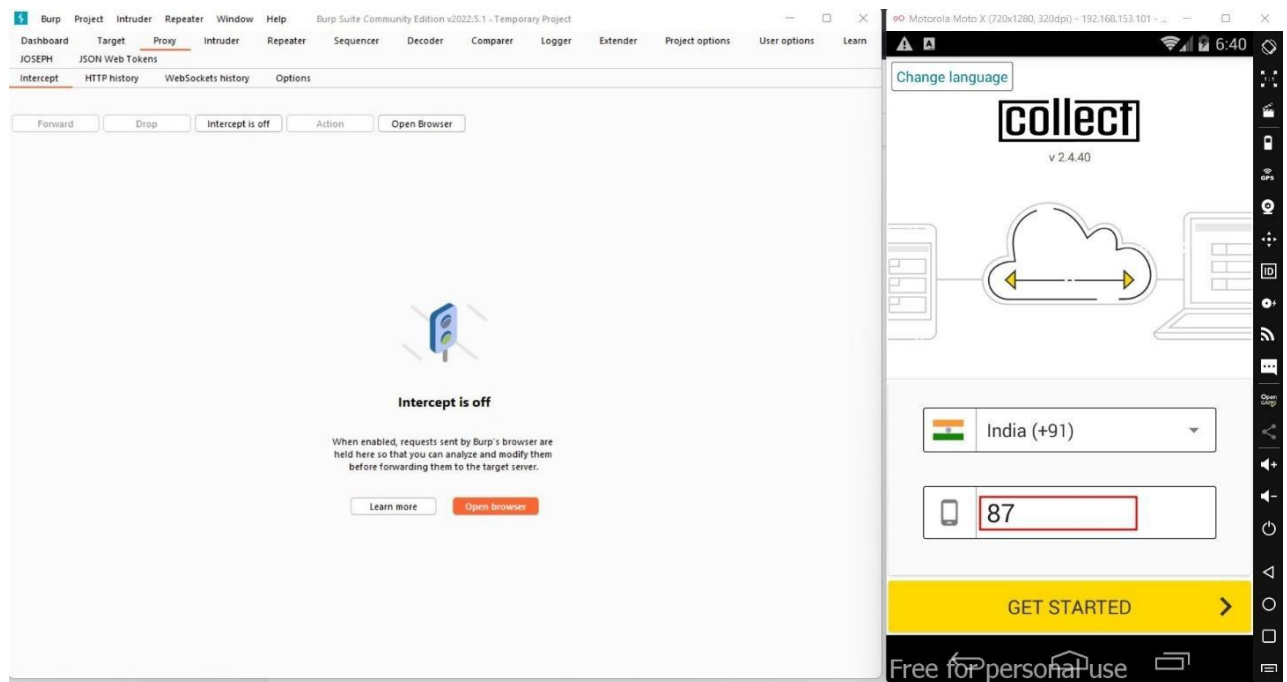
Description: The application doesn't validate the phone number of the account while resetting the password. This can be exploited to reset the password of the victim through the attacker's phone number.

I have 2 accounts:

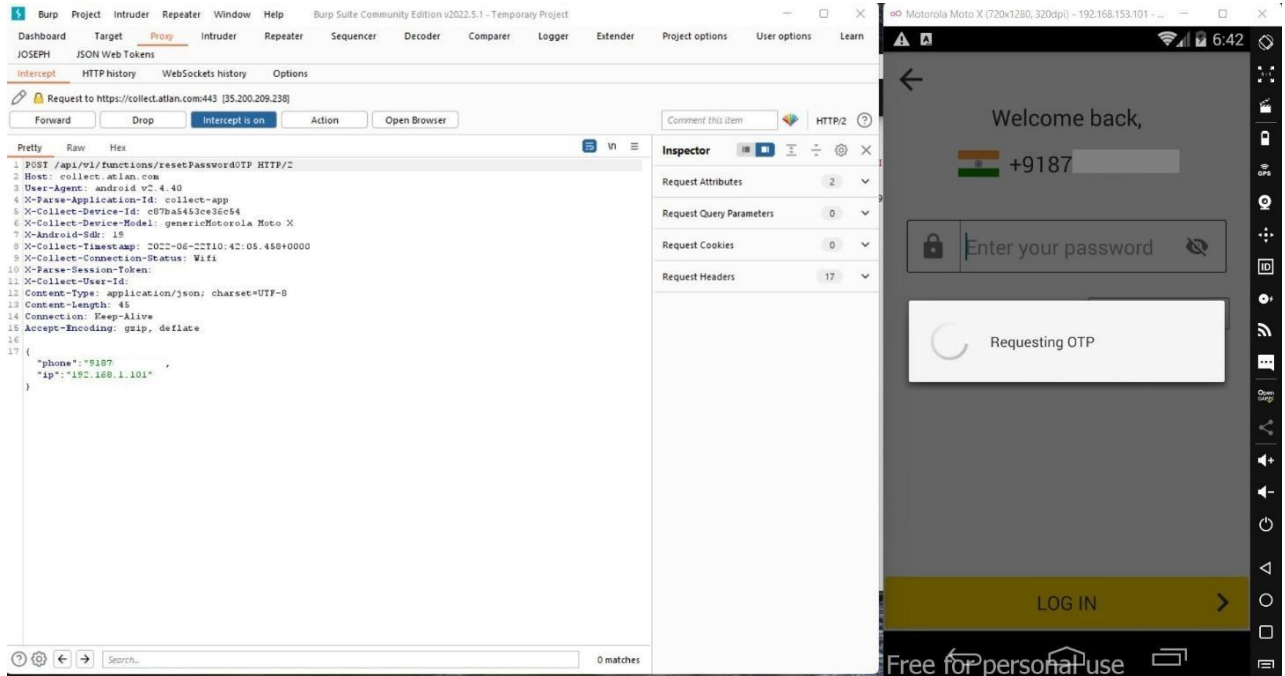
1. The victim's phone number: 87*****
2. The attacker's phone number: 93*****

Steps to reproduce:

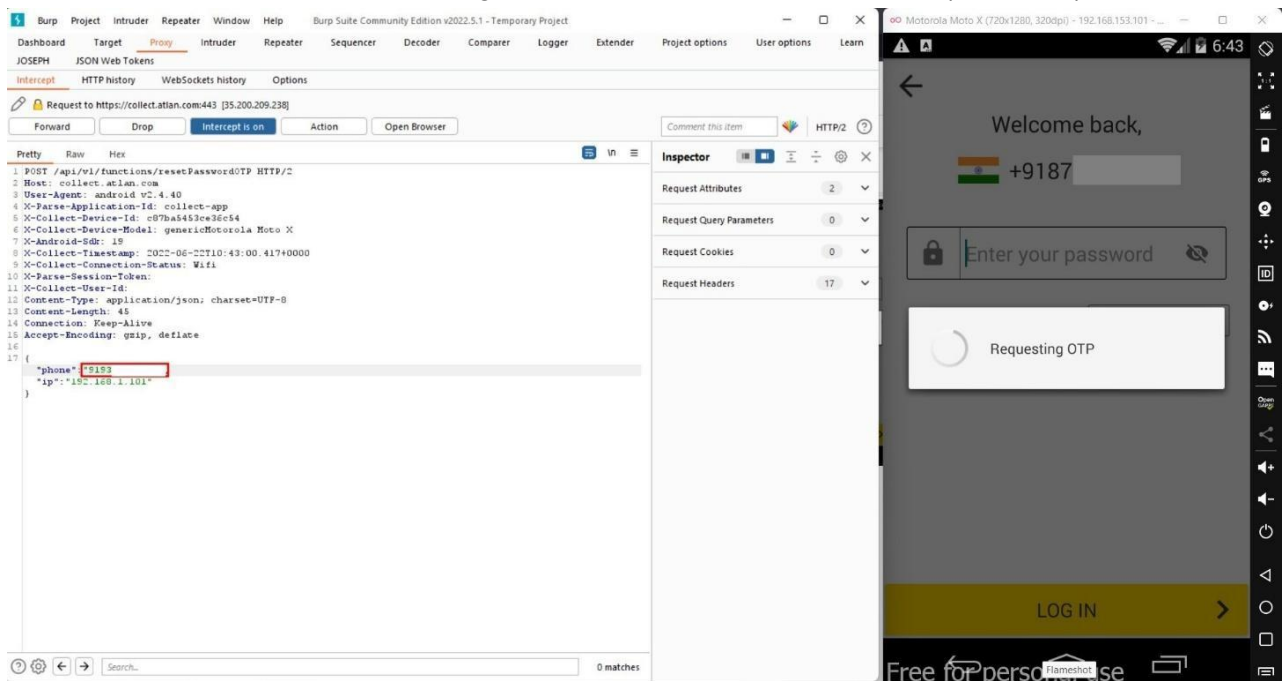
1. Provide the victim's phone number (87*****) in the login field and click on "GET STARTED"



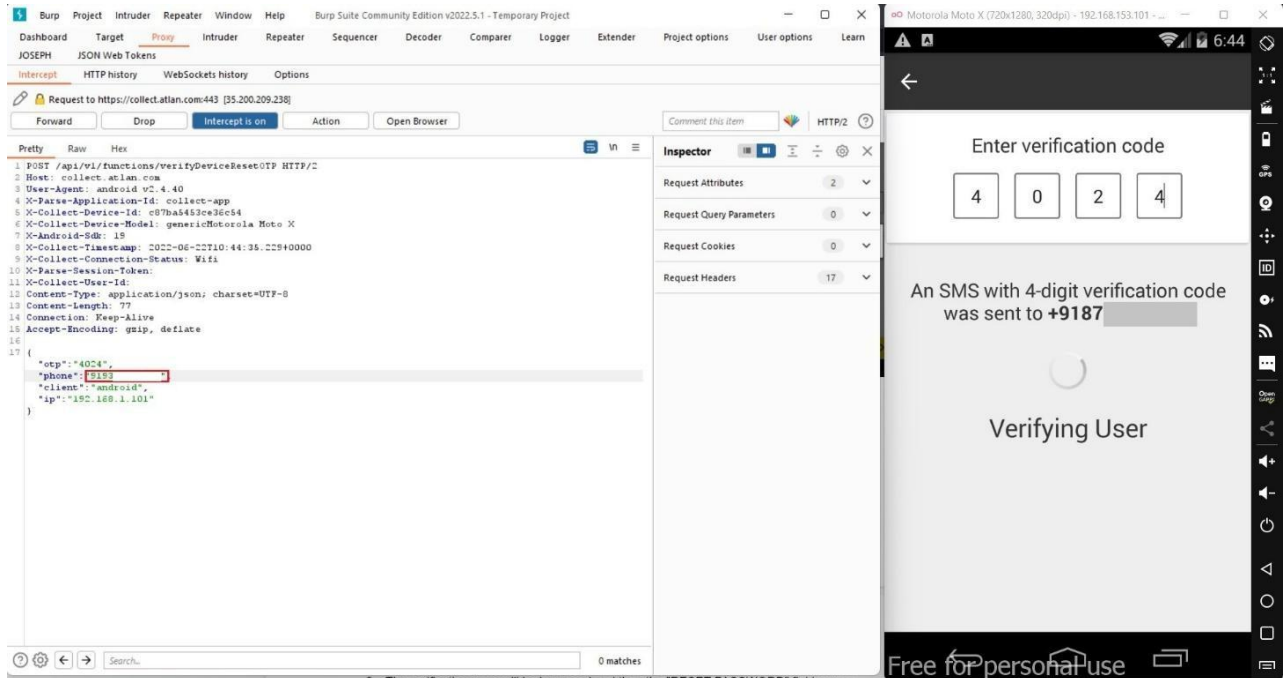
2. Click on "Forgot password?" and intercept the request in a proxy server like Burp.



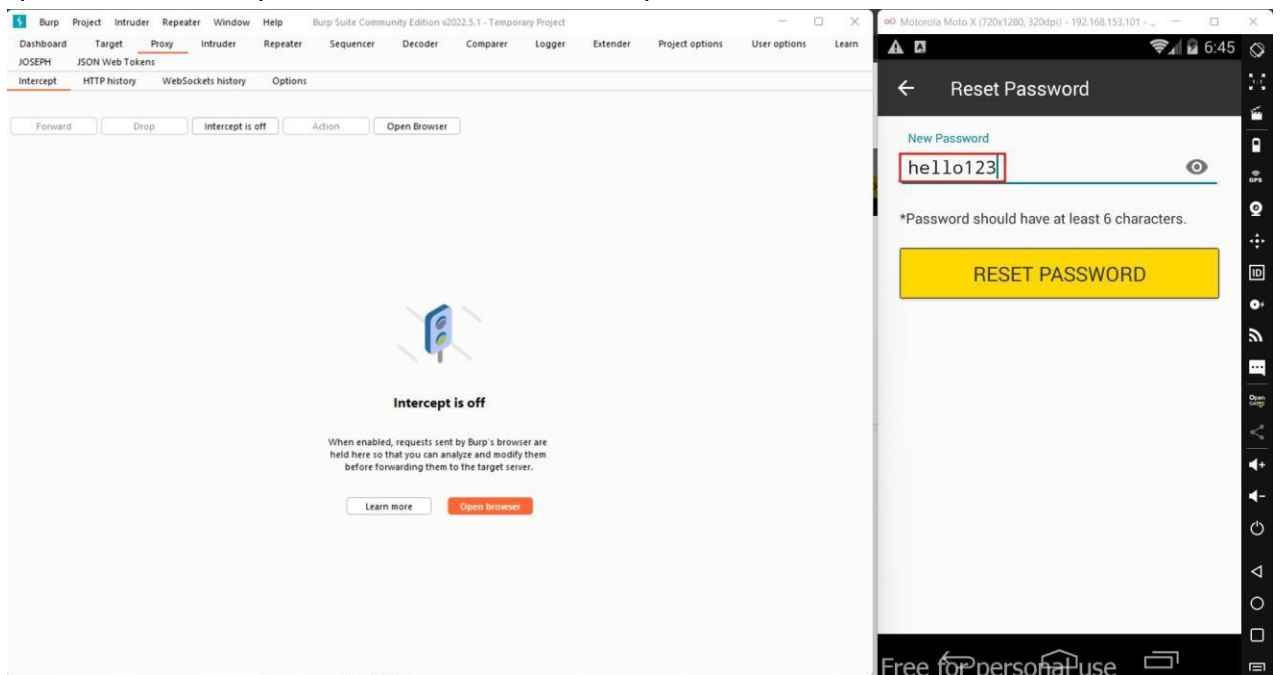
3. Edit the "phone" parameter and change it to the attacker's phone number (93*****).



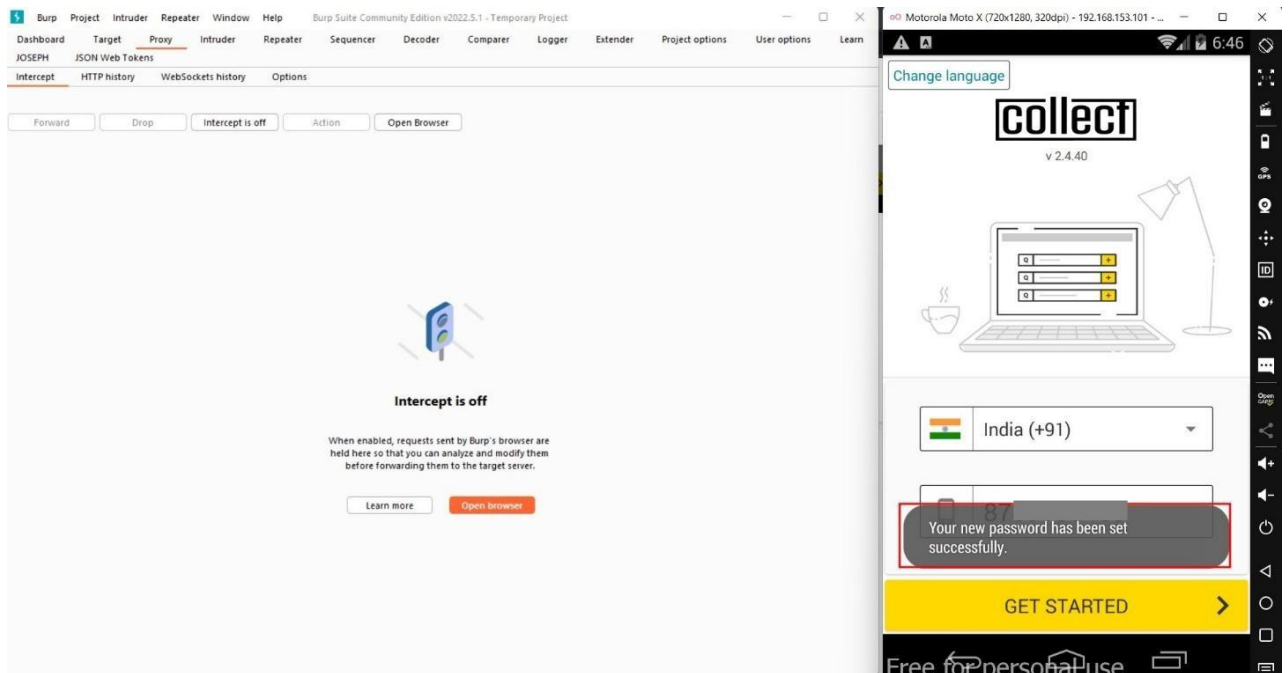
4. The OTP is received on the attacker's phone number (93*****). Put that in the verification box. Intercept this verification request and change the "phone" parameter again to the attacker's phone number (93*****).



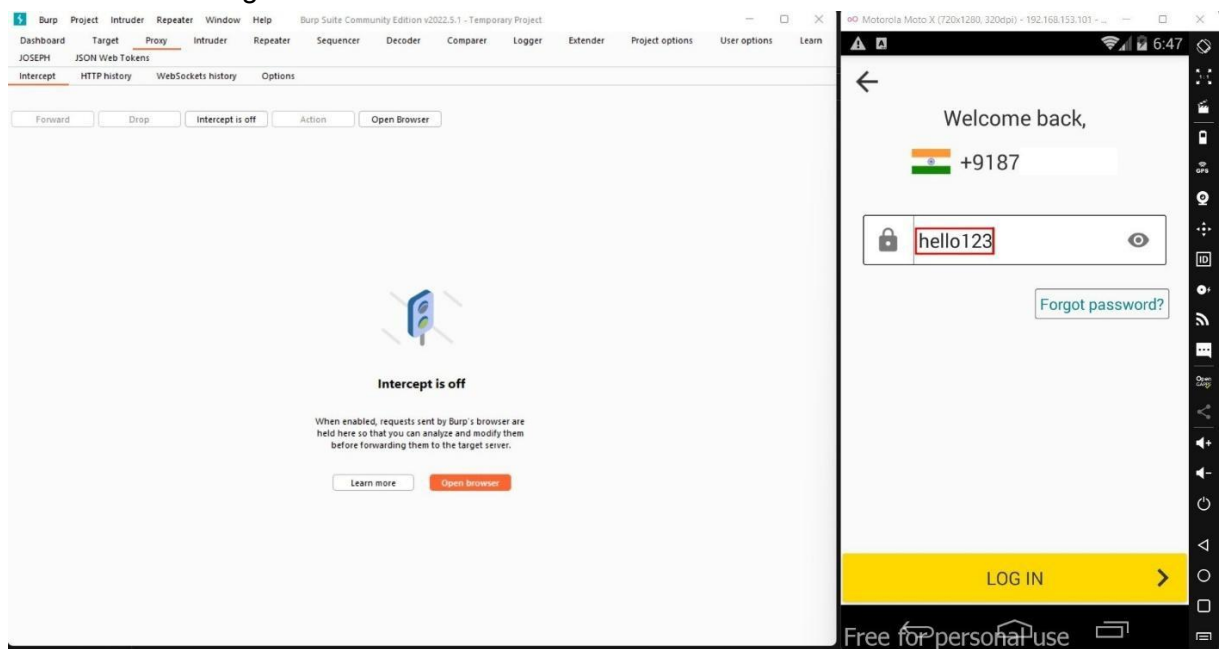
5. The verification page will be bypassed and then the "RESET PASSWORD" field comes up. Put the desired password and turn the intercept off.



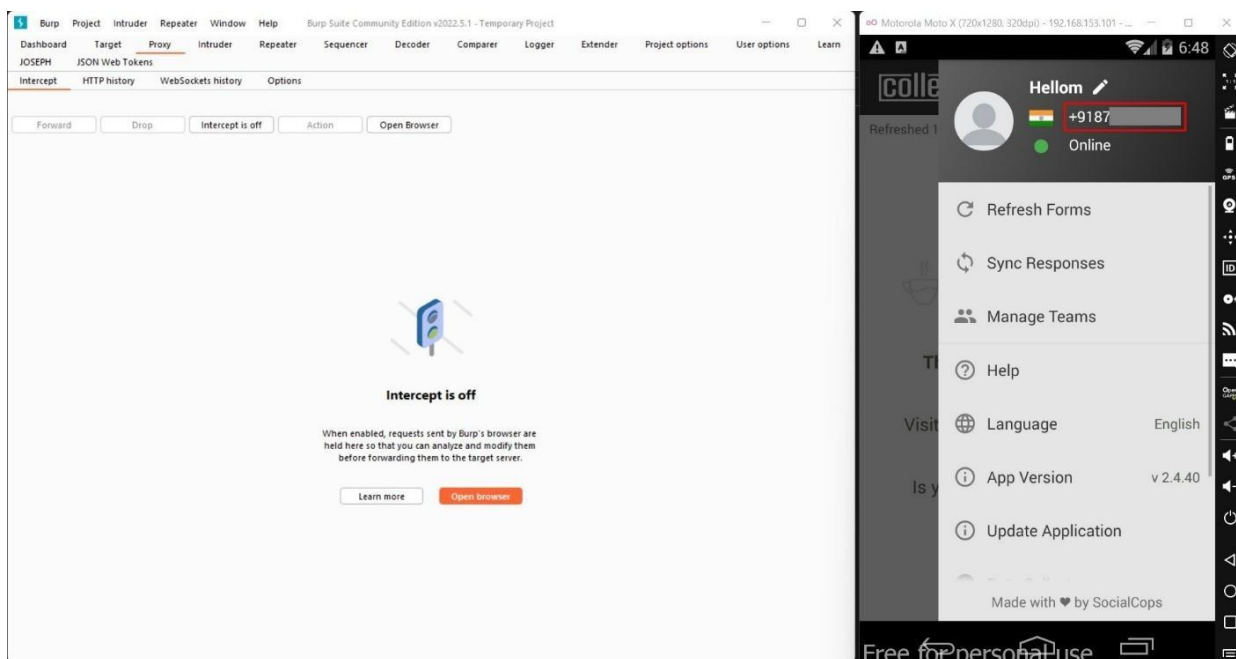
6. A message will show up that the password has been changed.



7. Now try to login to the victim's account (87*****) through the changed password. You'll be able to log in.



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Impact:

1. A victim's account can be hijacked through this method. The victim will lose all the past data collections.
2. The collected data containing sensitive information of the applicants can be leaked to an unauthorized user which will lead to sensitive data exposure. The same data may also end up in the dark web.