

**Vulnerability title:** - HTTP parameter pollution on “Email” parameter.

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


















**Vulnerability Description:** - HTTP Parameter Pollution, as implied by the name, pollutes the HTTP parameters of a web application in order to perform or achieve a specific malicious task/attack different from the intended behavior of the web application.

During testing it was observed that “Email” parameter is vulnerable to HTTP Parameter pollution.

**Vulnerable URL/API:** POST /api/oauth/email/request

**Impact:** - Email will be delivered to non-registered users

**Score:**

ATTACK VECTOR	ATTACK COMPLEXITY	PRIVILEGES REQUIRED	USER INTERACTION
 Network	 Low	 None	 None
 Adjacent	 High	 Low	 Required
 Local		 High	
 Physical			
SCOPE	CONFIDENTIALITY	INTEGRITY	AVAILABILITY
 Changed	 High	 High	 High
 Unchanged	 Low	 Low	 Low
	 None	 None	 None
SEVERITY-SCORE-VECTOR			
High 8.8 CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H			

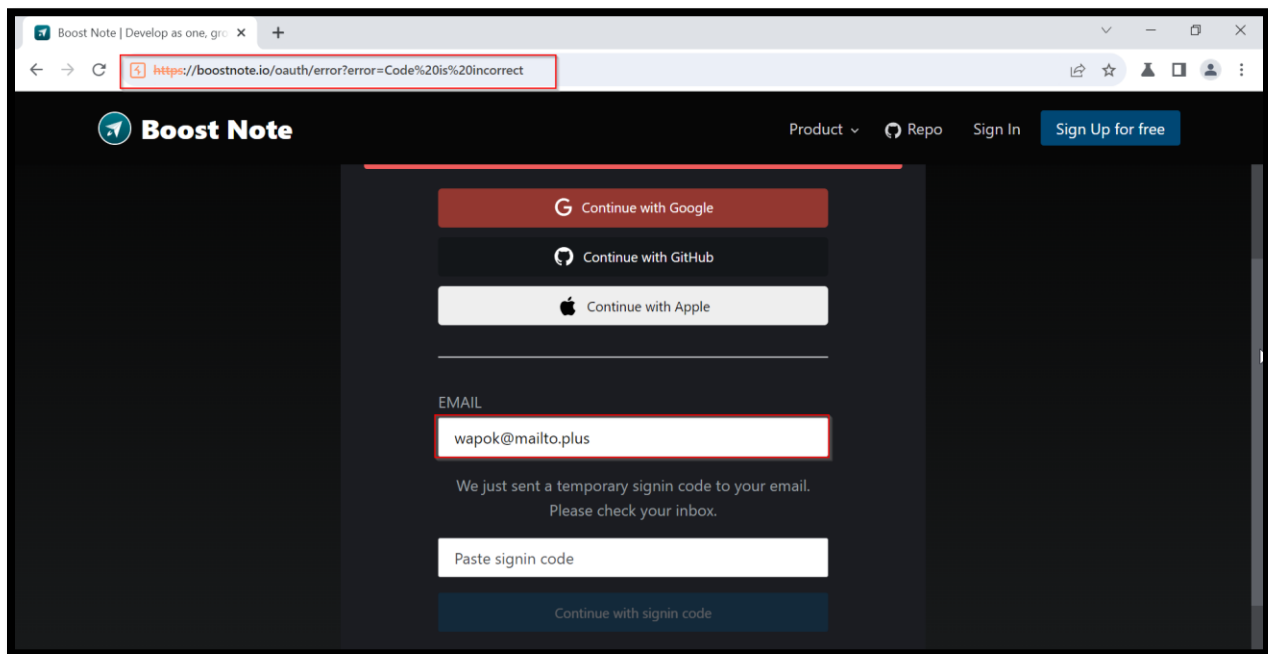
**Severity: High**

**Mitigation/Recommendations:**

- Implement strict input validation to prevent untrusted data from being processed.

**Proof of Concept: -**

**1- Open Boost note to and enter email to get signup code.**



**2- Capture request in Burp.**



3- Now in "Email" parameter add additional email value which is not registered with Boost note.



4- Now as you can see in above PoC email is being sent to both the mail address, one out of which is not associated with boost note.

