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## O-day story 1: wp-pro-quiz

Summary: I found a quite matter vulnerability in plugin wp-pro-quiz (version  $\leq$  0.37). It can be downloaded <u>here</u>. Abusing this issue, an unauthenticated attacker can cheat the admin to delete any quiz on vulnerable website

Analyze: CSRF in wp-pro-quiz

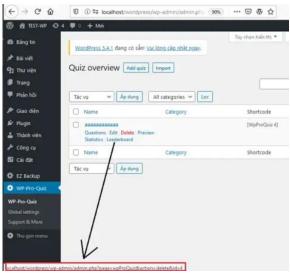
Look at this snippet of code at file wp-pro-quiz/lib/controller/WpProQuiz\_Controller\_Quiz.php

We can see that \$\_GET['id'] is passed directly into deleteAction() which is implemented as below:

After check the user's permission, \$id will be passed into deleteAll(). In here, application will call a SQL query to delete every quiz record having the ID.

## Exploit:

- Attacker sends a link having format like: <a href="http://victim.com/wp-admin/admin.php?page=wpProQuiz&action=delete&id=4">http://victim.com/wp-admin/admin.php?page=wpProQuiz&action=delete&id=4</a> to admin
- Admin somehow clicks the link, quiz with id 4 will be removed



URI request to delete a quiz

## Conclusion:

 ${\it CSRF}\ token\ is\ important, you\ should\ implement\ it\ for\ important\ tasks$ 

## Reference:

https://owasp.org/www-community/attacks/csrf

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