Cloudflare Managed Challenge - Hidden challenge error

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Introduction

This report/paper/documentation was written by Isaaker (Isaac Hernán) on 22/08/2025 to show Cloudflare users using Managed Challenge or Turnstile instances how to fix an error that makes it impossible to show the Cloudflare Turnstile challenge.

This error started the week of 14/08/2025. We believe that this was caused by some kind of change in Cloudflare's endpoints/API that added new libraries, changed Turnstile's behaviour, and/or began redirecting some of Turnstile's traffic to the configured CF domain.

This wasn't used to be a problem, but now for every request of Turnstile CF WAF rules configuration is applied for this request as well. A non-compatible configuration or the lack of awareness of this change would prevent Turnstile challenges from showing up (both from Managed Challenge or widget-included ones).

Endpoints, parameters and other CF Turnstile directed to the domain

Here you can read some of the endpoints and parameters that try to connect back to the CF domain. This list is provisioned with a debug purpose for those who need to unlock them in their CF Rules:

These URLs and parameters were found for Managed Challenge:

https://[DOMAIN]/cdn-cgi/challenge-platform/h/b/flow/ov1/

https://[DOMAIN]/cdn-cgi/scripts/**[PARAMETER]**/cloudflare-static/rocket-loader.min.js

https://[DOMAIN]/cdn-cgi/challenge-platform/h/b/orchestrate/chl_page/v1?ray=[PARAMETER]

https://[DOMAIN]/cdn-cgi/challenge-platform/h/b/scripts/jsd/**[PARAMETER]**/main.js [Sometimes this script receives an empty ? Parameter in the URL]

https://[DOMAIN]/cdn-cgi/challenge-platform/scripts/jsd/main.js

Parameters that may change were removed and bolded to prevent sharing private keys.

Suggested Changes and Configurations

Here I share some options for changes and configurations in your CF rules to unlock the Managed Challenges:

Check if the URL parameters interfere with your Rules, for example a rule that filters the possible URL parameters for the endpoint. This may include:

?ray=[PARAMETER]

https://[DOMAIN]/cdn-cgi/challenge-platform/h/b/scripts/jsd/[PARAMETER]/main.js? -> Empty ? Parameter

Check if the JS scripts interfere with your Rules, for example a rule that filters the possible URL .js at the end of the file for the endpoint. This may include:

https://[DOMAIN]/cdn-cgi/scripts/**[PARAMETER]**/cloudflare-static/rocket-loader.min.js

https://[DOMAIN]/cdn-cgi/challenge-platform/h/b/scripts/jsd/**[PARAMETER]**/main.js

https://[DOMAIN]/cdn-cgi/challenge-platform/scripts/jsd/main.js

Conclusion

I hope you found this information useful, I share this documentation as help for those affected by this problem. I already asked CF to include a message or alert in the Dashboard and to update the current documentation without an answer.

You can join the conversation about the bug with one of these links:
- Cloudflare Community
- Discord Cloudflare Server

Also, feel free to contact me back with one of these methods:
- Email: isaaker@piscinadeentropia.es
- GitHub: isaaker