

Taking charge of the unknowns

The Project Management of a
Drupalgeddon compromise

By: Brad MacDonald



July 24th, 2015



Brad MacDonald

Sr Project Manager

@bjmac



Today's Outline

- What this is about
- The “Uh-oh” moment
- The client, the strategy and plan of attack
- Mitigation
- Exceptions
- Questions



What is Drupalgeddon?

Why should I care?

A vulnerability in this API allows an attacker to send specially crafted requests resulting in arbitrary SQL execution. . .



Bad news . . .



Michelle Cox 10:57 ★

The number of things going wrong while trying to do a db import is just reinforcing the feeling that this is Monday morning.



Michelle Cox 11:09

@kelly.beck: I'm stuck on this error. Can't do anything with the site.

Error: require_once(): Failed opening required
'/home/vagrant/docroot/sites/default/files.old/fullscreen/wrcc_fso.jpg'

I tried going to

Redacted /sites/default/files.old/fullscreen/wrcc_fso.jpg to see
if I could get it but it doesn't seem to exist there.

The line it is erroring on is "require_once DRUPAL_ROOT . '/' .
\$lookup_cache[\$cache_key];" That makes no sense... Why would an image
be loading there?



Kelly Beck 11:15

wierd

Uh-oh!

Communicating to the client the right way





PLANNING and STRATEGY BEAT uncertainty!



Security Team Assemble!



**YOU CANNOT COMMUNICATE OR
DOCUMENT ENOUGH!**



All about the “W”s* a.k.a. the Strategy

- **W**hen it occurred?
- **W**here it came from?
- **W**hat was done?
- **H**ow it was accomplished?
- **W**hy it was done? (if possible)

* Yes there is an “H” in there

What?

```
DrupalDefaultEntityController';
```

```
+-----+-----+-----+-----+
| name      | type | filename      | module | weight |
+-----+-----+-----+-----+
| DrupalDefaultEntityController | class | sites/default/files/old/fullscreen/wrcc_fso.jpg |  | 0 |
+-----+-----+-----+-----+

1 row in set (0.00 sec)
```

```
mysql> update registry set filename = 'includes/entity.inc' where name = 'DrupalDefaultEntityController';
```

```
Query OK, 1 row affected (0.00 sec)
```

```
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> select * from registry where name = 'DrupalDefaultEntityController';
```

```
+-----+-----+-----+-----+
| name      | type | filename      | module | weight |
+-----+-----+-----+-----+
| DrupalDefaultEntityController | class | includes/entity.inc |  | 0 |
+-----+-----+-----+-----+
```

Where and when?



How and Why

- We suspected all along it was Drupalgeddon, confirming was not as easy
- \$\$\$\$ is why



Mitigation

- Cleaned up the site and derivative data
- Removed the uploaded malware files
- Removing the malicious database registry entry
- Removed all accounts that are not verified
- Engage clients/stakeolders

Exceptions



Thank You!

Questions?
@bjmac



@Mediacurrent



Mediacurrent.com



slideshare

slideshare.net/mediacurrent

