rgw - Bug #40678
RGW S3Website didn't do the necessary checking to the website configuration
07/05/2019 03:21 PM - Enming Zhang

Status: Resolved
Priority: Normal
Assignee: Category:
Target version:
Source:
Tags: website
Backport: luminous mimic nautilus
Regression: No
Severity: 3 - minor
Reviewed:

% Done: 0%
Spent time: 0.00 hour

Affected Versions:
ceph-qa-suite:
Pull request ID: 28904
Crash signature (v1):
Crash signature (v2):

Description
- To redirect all website requests sent to the bucket's website endpoint, you add a website configuration with the following elements.
  Because all requests are sent to another website, you don't need to provide index document name for the bucket.
- If you want granular control over redirects, you can use the following elements to add routing rules that describe conditions for
  redirecting requests and information about the redirect destination. In this case, the website configuration must provide an index
  document for the bucket, because some requests might not be redirected.

But now, the RGW don't do the necessary checking to the IndexDocument field when the RedirectAllRequestsTo is not provided,
which will lead the IndexDocument Suffix to be empty without any error being reported.

In this case if we access the static website through the S3Website enabled RGW instance the RGW instance will crash.

In function 'void RGWObjectCtxImpl<T, S>::set_atomic(T&)[with T = rgw_obj; S = RGWObjState]' thread 7f
36591ea700 time 2019-07-02 22:26:22.096930
/ceph/src/rgw/rgw_rados.h: 2164: FAILED assert(!obj.empty())

Related issues:
Duplicated by rgw - Bug #41370: [RGW] RGW in website mode: rgw_rados.h: 2150:...
  Duplicate
Copied to rgw - Backport #41496: mimic: RGW S3Website didn't do the necessary...
  Resolved
Copied to rgw - Backport #41497: luminous: RGW S3Website didn't do the necess...
  Rejected
Copied to rgw - Backport #41498: nautilus: RGW S3Website didn't do the necess...
  Resolved

History
#1 - 07/05/2019 03:31 PM - Enming Zhang
https://github.com/ceph/ceph/pull/28904

#2 - 07/08/2019 05:26 PM - Casey Bodley
- Status changed from New to Fix Under Review
- Tags set to website
- Backport set to luminous mimic nautilus
- Pull request ID set to 28904

#3 - 07/10/2019 08:01 AM - Enming Zhang
The stack trace is

```bash
-84> 2019-07-09T23:17:54.272-0700 7f50565df700 20 HTTP_ACCEPT=*/*
```

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While running with --resolve-parent, the script "backport-create-issue" noticed that all backports of this issue are in status "Resolved" or "Rejected".