



Load Balancing – Product Sheet

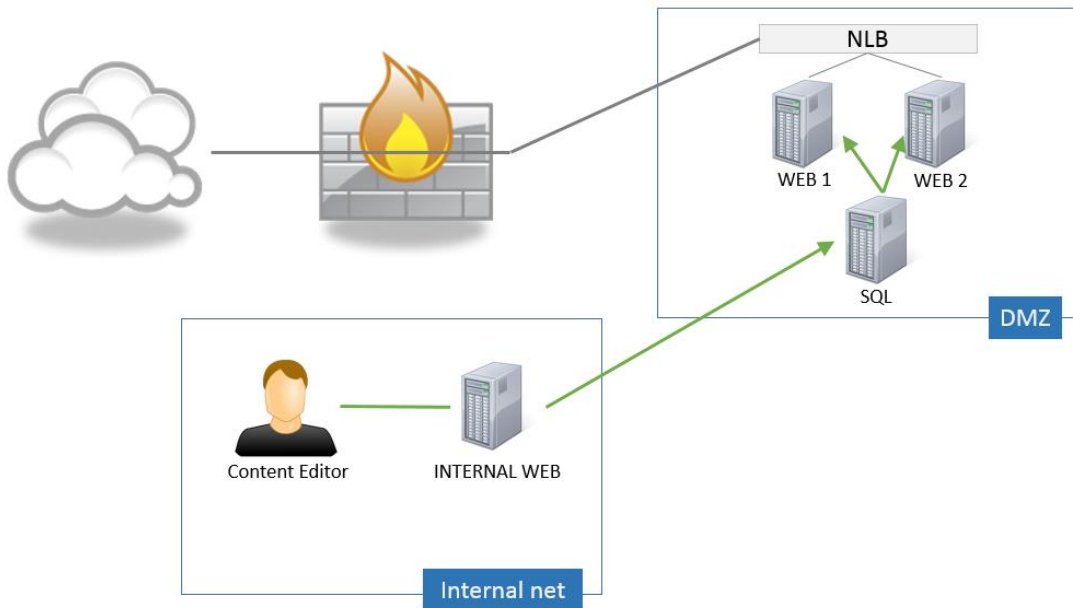
2017-02-13

Have the Load Balanced on Your Website

24/7 availability and quick response are required features of modern websites. Running a public-facing website in an environment where it can be clustered and run independently of other nodes in the cluster is a common way of ensuring these features. This allows for load balancing and fail-over, which properly handle both the website's availability and responsiveness.

The Load Balancing add-on propagates content and media file changes across any node connected to the same Load Balancing add-on's database.

As a result, content editors can add, edit and delete content such as pages and data items as well as media files - and these changes will be instantly reflected across all nodes in a C1 CMS installation.



The add-on thus extends the standard C1 CMS installation with the possibilities of running a C1 CMS website in a clustered environment and having content and media file changes immediately updated on all nodes in the cluster.

Features

The Load Balancing add-on:

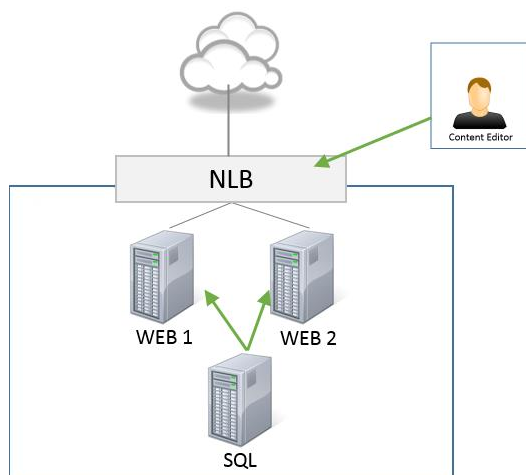
- Allows a C1 CMS website to run in a clustered environment
- Handles load balancing and fail-over
- Works out-of-the-box
- Synchronizes both pages and media files
- Supports various NLB technologies
- Can be fine-tuned for specific needs

Running in a Clustered Environment

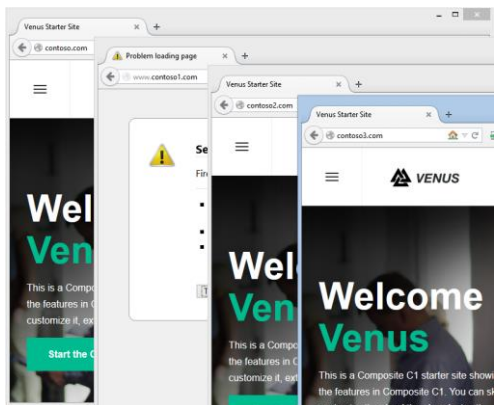
Do you want a reliable way of presenting your website to users keeping them unaware of what ensures this reliability?

Run your C1 CMS website in a clustered environment.

The users will always see one and the same website regardless of which of multiple website instances is presented to them at the moment.



Load Balancing and Fail-Over



Do you need 24/7 availability and quick load time for your website?

Look into the load balancing and fail-over features.

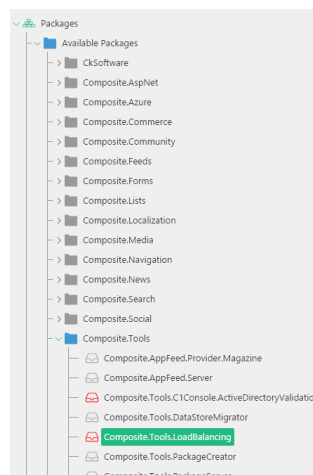
With the Load Balancing add-on on board, a C1 CMS website running in a clustered environment can easily do both.

Working Out-of-the-box

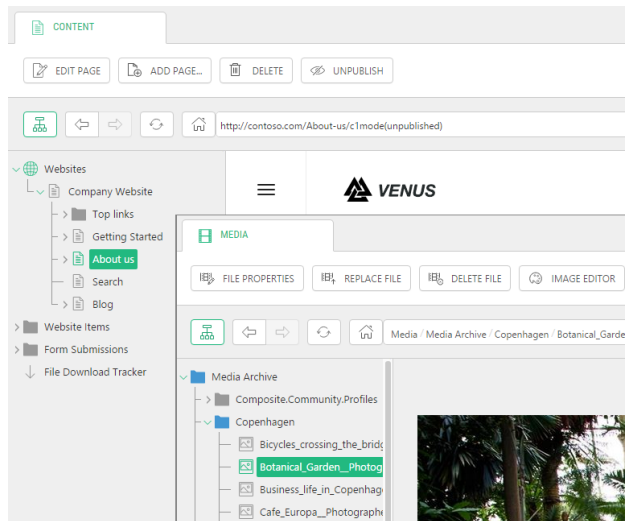
How about making as many copies of your website as you need for your clustered setup without much ado?

All the magic is done in an SQL database your website is using for its data store.

All you actually need is, install the Load Balancing add-on on your website and then make copies of it. That's it.



Synchronizing Both Pages and Media Files



Content editors edit a lot of pages and use a lot of images on those pages?

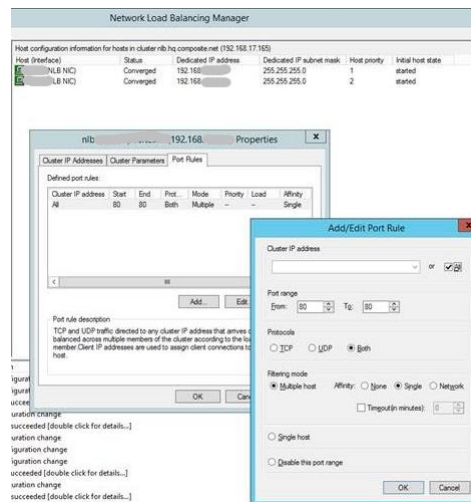
All the changes to the content and files in the media archive are instantly synchronized between the instances of the website.

You can even have a dedicated instance for content editing, the other ones will just be catching up.

Compatible with Various NLB Technologies

Thinking of using Microsoft Network Load Balancing Services or other load balancing technologies?

Which one doesn't matter because the Load Balancing add-on will work with any of them.



Easily Configurable

```
Web.config [X]
<?xml version="1.0" encoding="utf-8"?>
<configuration>
  <appSettings>
    <add key="Composite.LoadBalancing.Mode" value="shared" />
    <add key="Composite.LoadBalancing.Connec" value="c1" />
  </appSettings>
  <system.web>
    <authentication mode="Forms" />
    <trust level="Full" />
    <globalization requestEncoding="utf-8" />
    <customErrors mode="RemoteOnly">
      <error statusCode="404" redirect="Ren" />
    </customErrors>
  </system.web>
</configuration>
```

Considering using a separate database for the load balancing data or assigning one website instance the client role while the other instances the server role?

You can fine-tune the work of the Load Balancing add-on as easily as changing a couple of values in the web.config of your website.

Price Information

You can get the Load Balancing add-on as a part of one of the C1 CMS service plans.

For information about the plans, please see <http://c1.orchestra.com/Plans>.