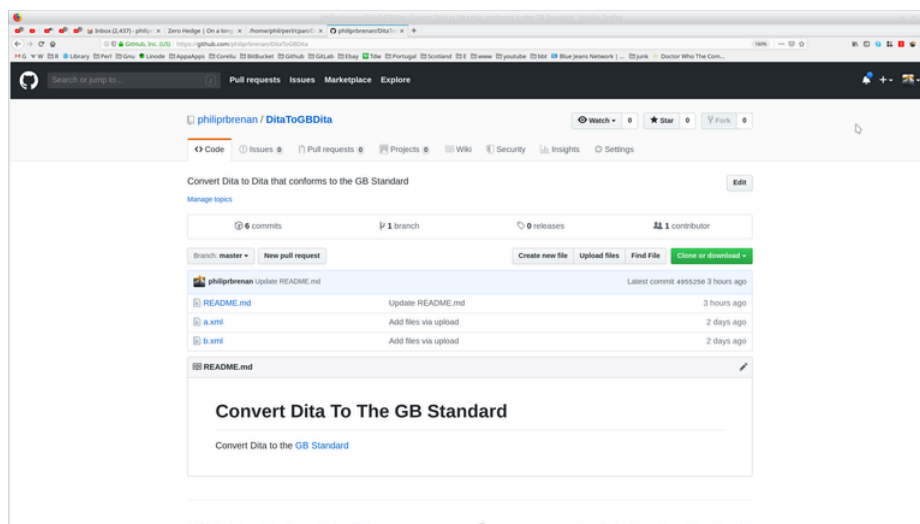


# Self Service Xref and Publish

If you are willing to place your source [Dita](#) or [html](#) documents and images in a into a **public** repository that you own on [GitHub](#) and start an [Amazon Web Services](#) spot instance, you can run [Data::Edit::Xml::Xref](#) and the Ryffine Html to Dita conversion yourself via a self service web site embedded in the Spot Instance.

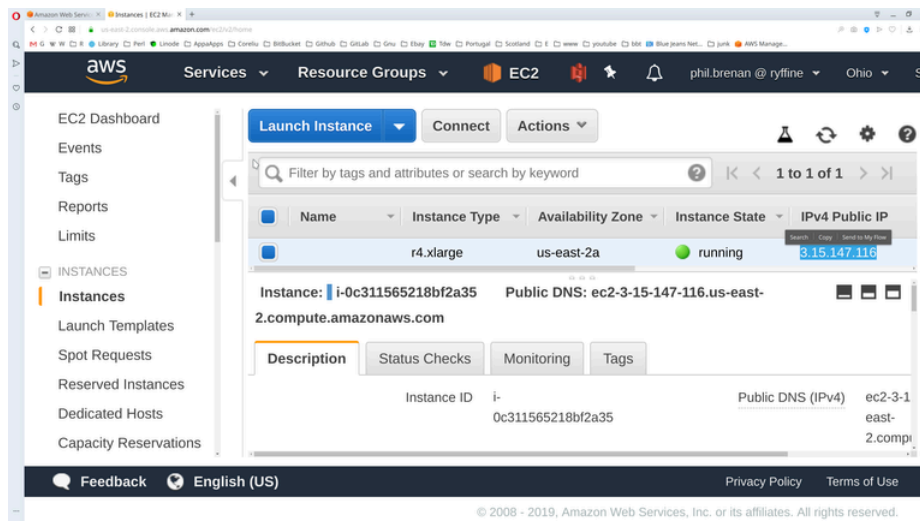
1. Place some [Dita](#) or [html](#) into a **Public** repository that you own on [GitHub](#). Remember the user/repo as name  $\$G$  for future reference.

In this example we have remembered  $\$G == \text{"philiprbrenan/DitaToGBDita"}$



Create a public repository on [GitHub](#) and load your [Dita](#) topics and images into it. You may use any folder structure and file names that are convenient to your project.

## 2. Start a spot instance on [Amazon Web Services](#)



Start a spot instance on [Amazon Web Services](#) using the [Amazon Web Services - Amazon Machine Image](#) version of [Data::Edit::Xml::Xref](#). You might need to contact your Ryffine Representative to gain access to [Amazon Web Services - Amazon Machine Image](#)

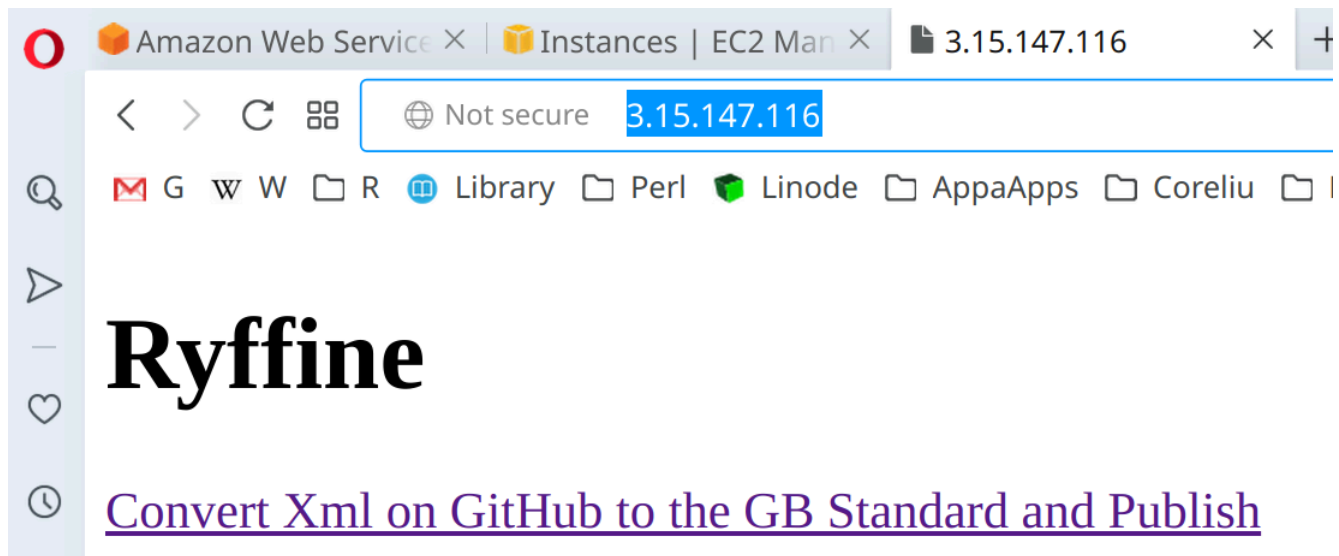
- Take the square root of the number of topics in your [GitHub](#) repository and remember this number as  $\$N$
- Start a spot instance that has approximately the recalled number  $\$N$  of CPUs.
- Edit the inbound and outbound rules to allow traffic on port 80.

You will be controlling [Data::Edit::Xml::Xref](#) via a web browser which operates over port 80 - hence the need to open this port which is closed by default.

- Make a note of the IP address of your spot instance, remember it as:  $\$IP$ .

## 3. **Note:** You will have to wait until the spot instance has finished initializing before you can perform this step.

Browse to the IP Address of the Spot Instance recorded in  $\$IP$



- Click on the only link on the initial page to reach the page used to control [Data::Edit::Xml::Xref](#).

4. **Note:** You are now ready to apply `Data::Edit::Xml::Xref` to your `GitHub` repository remembered as `$G`.

Enter the recalled name `$G` of your `GitHub` repository into the only input field on the page and press **Submit**

**Convert Xml in GitHub to the GB Standard and Publish**

Place some Dita topics and images in a GitHub repository and then enter the **userid/repo** below and press the button. I will then convert your Dita to Dita that conforms to the GB Standard and publish the Dita so produced using the Dita-OT conversion to html5 plugin. A link will appear below when the conversion is complete to allow you to download the results.

Github userid/repository:

**Download results**

[Download](#) the results of the last conversion of [philipbrenan/DitaToGBDita](#)

```
-r--r--r-- 1 root root 49027 Jul 11 01:44 /var/www/html/gh/results.zip
```

5. Optionally press **Refresh** periodically to update the display

**Convert Xml in GitHub to the GB Standard and Publish**

Place some Dita topics and images in a GitHub repository and then enter the **userid/repo** below and press the button. I will then convert your Dita to Dita that conforms to the GB Standard and publish the Dita so produced using the Dita-OT conversion to html5 plugin. A link will appear below when the conversion is complete to allow you to download the results.

Github userid/repository:

**Conversion running**

Converting: [philipbrenan/DitaToGBDita](#)

```
perl /home/phil/r/www/conversions/gh/perl/convert.pl philipbrenan/DitaToGBDita
├─perl /home/phil/r/www/conversions/gh/perl/convert.pl philipbrenan/DitaToGBDita
│   └─java -Djava.awt.headless=true -classpath /home/phil/r/dita-dita-ot-3.1/lib/ant-launcher.jar:/home/phil/r/dita-dita-ot-3.1/config -Dant.home=/home/phil/r/dita-dita-ot-3.1 -21*[{java}]
└─perl /home/phil/r/www/conversions/gh/perl/convert.pl philipbrenan/DitaToGBDita
    └─java -Djava.awt.headless=true -classpath /home/phil/r/dita-dita-ot-3.1/lib/ant-launcher.jar:/home/phil/r/dita-dita-ot-3.1/config -Dant.home=/home/phil/r/dita-dita-ot-3.1 -21*[{java}]
```

**Conversion Log**

PassingProjects:	1
# Files Project	
1 10 all	

DocumentTypes: 2

Document	Count
bookmark	2
concept	8

100 % success. Projects: 0+1=1. Files: 0+10=10. Errors: 0,0 On 2019-07-11 at 15:05:58

Xref: 1 ref

Please see: /home/phil/r/www/conversions/gh/publications/ or http://3.15.147.116/gh/results.zip

Pressing **Refresh** will update the **Conversion Running** area to show you the number of processes being used by `Data::Edit::Xml::Xref`. `Data::Edit::Xml::Xref` runs in parallel were ever possible to reduce processing time. The more CPUs available, the more processes `Data::Edit::Xml::Xref` will create.

Pressing **Refresh** will also update the **Conversion Log** area to show you the last few lines of output from `Data::Edit::Xml::Xref`. This information is useful as it gives an idea of how much progress has been made.

Eventually, depending on the size of your project and the number of CPUs you chose, processing will complete and you will see the **Download Results** area after pressing **Refresh**.

6. **Note:** Once processing has completed you can download the results of the [Data::Edit::Xml::Xref](#) run as a zip file.

Click on **Download Results**

**Convert Xml in GitHub to the GB Standard and Publish**

Place some Dita topics and images in a GitHub repository and then enter the **userid/repo** below and press the button. I will then convert your Dita to Dita that conforms to the GB Standard and publish the Dita so produced using the Dita-OT conversion to html5 plugin. A link will appear below when the conversion is complete to allow you to download the results.

Github userid/repository:  Submit Refresh

**Download results**

[Download](#) the results of the last conversion of [philipbrenan/DitaToGBDita](#)

```
-r--r--r-- 1 root root 49075 Jul 11 15:05 /var/www/html/gh/results.zip
```

**Parameters**

7. **Note:** The corpus published as PDF is visible in the **publications/** Once processing has completed you will be offered a chance to download the results of the [Data::Edit::Xml::Xref](#) run as a zip file.

Open the downloaded zip file and click on the **publications** folder to choose a bookmap to view.

**Convert Xml in GitHub to the GB Standard and Publish**

Place some Dita topics and images in a GitHub repository and then enter the **userid/repo** below and press the button. I will then convert your Dita to Dita that conforms to the GB Standard and publish the Dita so produced using the Dita-OT conversion to html5 plugin. A link will appear below when the conversion is complete to allow you to download the results.

Github userid/repository:  Submit Refresh

**Download results**

[Download](#) the results of the last conversion of [philipbrenan/DitaToGBDita](#)

```
-r--r--r-- 1 root root 49075 Jul 11 15:05 /var/www/html/gh/results.zip
```

**Parameters**

{ userRepo => "" }

Name	Size	Compressed
bm_a_36d...	11.9 KB	6.4 KB
bm_b_36d...	11.9 KB	6.4 KB
reports	6 Folders, 3 Files	
bad	1 File	
count	5 Files	
good	2 Files	
loss	9 Files	
log	1 Folder	
timing	3 Files	
parameterSettings.txt	265.5 KB	5.0 KB
reports.txt	2.7 KB	710 B
summary.txt	762 B	358 B

The zip file that you download will containing the following folders:

**out**

The input files renamed and formatted to the [GB Standard](#)

**publications**

The corpus published as PDF

**reports**

Interesting reports which describe the state of the corpus

## 8. Click on a publication to view the generated PDF

