

D4Science Infrastructure - VM Creation #9702

GeoNetwork 3 dedicated instance for Tuna Atlas

Sep 15, 2017 05:17 PM - Fabio Sinibaldi

Status:	Closed	Start date:	Sep 15, 2017
Priority:	Urgent	Due date:	
Assignee:	_InfraScience Systems Engineer	% Done:	100%
Target version:	SDI-nodes management	Applications list and version:	geonetwork v 3.2.2
Infrastructure:	Production	Applications context path:	geonetwork
RAM:	5	External storage data disk:	
CPU:	2	Smartgears auth connector:	
DiskSpace:	10	data transfer enabled:	No
Smartgears:	Yes	PostgreSQL database:	Yes
Smartgears Version:	LATEST	Number of VMs:	1
Application Instructions:	PostgreSQL database needs postgis extensions		
Smartgears scopes:	/d4science.research-infrastructure.eu /d4science.research-infrastructure.eu/gCubeApps /d4science.research-infrastructure.eu/gCubeApps/FAO_TunaAtlas		
Description A VM hosting GeoNetwork 3 is required in Tuna Atlas VRE. Suggested host name : geonetwork-tunaatlas-d4s.d4science.org			
Related issues:			
Related to D4Science Infrastructure - VM Creation #9830: New couple of revers...		Closed	Sep 27, 2017
Blocked by D4Science Infrastructure - Task #9668: Produce ansible role for Ge...		Closed	Sep 12, 2017
Copied to D4Science Infrastructure - VM Creation #9779: GeoNetwork 3 dedicate...		Closed	Sep 15, 2017

History

#2 - Sep 15, 2017 05:18 PM - Fabio Sinibaldi

- Blocked by Task #9668: Produce ansible role for GeoNetwork 3.x added

#3 - Sep 15, 2017 07:07 PM - Tommaso Piccioli

- Status changed from New to In Progress

- % Done changed from 0 to 30

Host name will be "geonetwork2-tunaatlas.d4science.org"

#4 - Sep 18, 2017 07:55 PM - Andrea Dell'Amico

- Status changed from In Progress to Feedback

- % Done changed from 30 to 100

- RAM changed from 2 to 5

<http://geonetwork2-tunaatlas.d4science.org/geonetwork/> is available. The ssl certificate will be emitted in the next days.

#5 - Sep 19, 2017 10:55 PM - Emmanuel Blondel

Hi @andrea.dellamico@isti.cnr.it , awesome! Could we have the credentials, so we could start performing our GN3 publication tests? Thank you

#6 - Sep 20, 2017 12:43 PM - Fabio Sinibaldi

Hi @emmanuel.blondel@fao.org,

as I was trying to register the new instance in the infrastructure, I've encountered an issue with the latest adoption of CSRF token. I didn't expect a similar change between minor versions. We are going to revert to version 3.2.1 today, so I can register it to the infrastructure in order to let users gather credentials via the sdi service.

@andrea.dellamico@isti.cnr.it Let's keep the 3.2.2 ansible role as well, in order to test and integrate this version in development infrastructure.

#7 - Sep 20, 2017 01:28 PM - Andrea Dell'Amico

Done. https is also available with a valid certificate.

#8 - Sep 20, 2017 02:27 PM - Emmanuel Blondel

Thank you Fabio and Andrea. Fabio, let me know when it is registered, I will use the SDI service then to get the information we need. And thanks a lot for having pushed on GN3 for Tuna Atlas, much appreciated.

#9 - Sep 20, 2017 02:43 PM - Fabio Sinibaldi

Instance is registered and credentials are available via sdi-service.

#10 - Sep 20, 2017 05:09 PM - Fabio Sinibaldi

@emmanuel.blondel@fao.org can we stop/destroy the previous geonetwork 2 instance?

#11 - Sep 20, 2017 05:15 PM - Emmanuel Blondel

No yet please, We still have to run integration tests and the complete workflow on it, hopefully I could start today but I'm in a conference the full day. I will try to launch tests in parallel of the conf. I will let you know when we can safely dismiss the GN2. Thank you for your understanding

#12 - Sep 20, 2017 05:24 PM - Fabio Sinibaldi

No problem, sounds reasonable. We'll be waiting for your notification.

#13 - Sep 20, 2017 06:32 PM - Emmanuel Blondel

Back! :) I had a look and it appears that you moved to a slightly recent version (3.2.x series), however i think it's too premature, Indeed the GN 3.2.x series introduced a completely new REST API, See

<http://geonetwork-opensource.org/manuals/trunk/eng/users/overview/change-log/version-3.2.0.html>

Some considerations (for Tuna Atlas et generally for the infra SDI):

- GN team tags this new REST API as beta, which reinforces the fact it's too premature to adopt 3.2.x
- Libraries (Java geonetwork-manager, R geonapi, etc) are not supporting this new beta REST API, and probably they will not if it sticks in a beta stage, which blocks us for all our programmatic metadata publication needs.

This means that you if we (for Tuna atlas) and you (for generalization to the entire SDI) want to use Geonetwork 3, we should stick at this stage with GN 3.0.x series for which our REST API clients will work. IMHO, downgrading to 3.0.4 would be the best for all of us.

<http://geonetwork-opensource.org/manuals/trunk/eng/users/overview/change-log/version-3.0.4.html>

Let me know what you think

Cheers

#14 - Sep 21, 2017 12:09 PM - Fabio Sinibaldi

Hi,

actually I've tested 3.2.1 by using geonetwork-manager and it worked well (that's what I've been doing in #5770), but if you need 3.0.4 we can work to provide that version.

#15 - Sep 21, 2017 01:15 PM - Emmanuel Blondel

yes please downgrade for tuna atlas.

Just to know, which operation did you test with geonetwork-manager?

#16 - Sep 25, 2017 01:21 PM - Andrea Dell'Amico

The server is now running version 3.0.4

#17 - Sep 25, 2017 04:00 PM - Fabio Sinibaldi

Various issues when trying to configure the instance with our libraries.
I'm trying to solve, otherwise I'm gonna need to configure it manually (it's gonna take a bit).

@emmanuel.blondel@fao.org About testing 3.2.1,
I've been using users and groups apis (which I had to implement because are not covered by it.geosolutions.geonetwork.GNClient interface) and metadata search/ insertion means. For further details, these methods are exposed by org.gcube.spatial.data.geonetwork library documented at https://wiki.gcube-system.org/gcube/GeoNetwork_library.

#18 - Sep 25, 2017 04:50 PM - Fabio Sinibaldi

I gave up fixing "on the fly", and manually configured both instance and IS.
Double checked the configuration with both sdi-service and geonetwork library.
Read/search operations seem working well (they are needed in order to integrate GeoExplorer and CKAN facilities).

Credentials are available as usual via the sdi-service.
@emmanuel.blondel@fao.org please test the instance and, as agreed before, notify us as soon as we can dismiss the previous one (hosted at previous geonetwork1-tunaatlas.d4science.org).

#19 - Sep 26, 2017 01:13 AM - Emmanuel Blondel

Thanks Fabio, could you please check the WEB-INF/config.xml. Normally this configuration is similar to previous versions. I tried it but I get the same issue as for previous GN2 installations:

Open the file WEB-INF/config.xml and look for this:

```
<service name="xml.metadata.get">
  <class name=".services.metadata.Show">
    <param name="skipPopularity" value="y" />
    <param name="skipInfo" value="y" />
  </class>
</service>
```

After changing "" to "" GeoNetwork should return the "geonet:info" section in the response from "xml.metadata.get".

This information is required to perform metadata updates

Let me know

#20 - Sep 26, 2017 01:24 AM - Emmanuel Blondel

Apologies path should slightly differ in GN3, you would find it in WEB-INF/config/config-service-xml-api.xml (see <https://github.com/geonetwork/core-geonetwork/blob/3.0.x/web/src/main/webapp/WEB-INF/config/config-service-xml-api.xml>)

We might need to change few other things there.

Let me know when the change is applied

#21 - Sep 26, 2017 10:47 AM - Roberto Cirillo

- Copied to VM Creation #9779: GeoNetwork 3 dedicated instance for IOTC SS3 added

#22 - Sep 26, 2017 10:53 AM - Fabio Sinibaldi

Configuration file updated. Now gn info are displayed in xml.metadata.get response messages.

#23 - Sep 26, 2017 09:58 PM - Emmanuel Blondel

Hello @fabio.sinibaldi@isti.cnr.it , i've performed tests and at this stage everything goes fine. I've published all resources available in the GN2 instance.

Before you proceed to dismiss the Geonetwork 2 instance (<http://geonetwork1-tunaatlas.d4science.org/geonetwork>), would it be possible to have an alias better than geonetwork2-tunaatlas.d4science/geonetwork? ideally for us the following link: <https://tunaatlas.d4science/geonetwork>

I would use this new link to share to key colleagues (especially for some them, link to GN2 had already been shared)

Thanks for your support

#24 - Sep 27, 2017 12:12 PM - Andrea Dell'Amico

Emmanuel Blondel wrote:

Before you proceed to dismiss the Geonetwork 2 instance (<http://geonetwork1-tunaatlas.d4science.org/geonetwork>), would it be possible to have an alias better than geonetwork2-tunaatlas.d4science/geonetwork? ideally for us the following link: <https://tunaatlas.d4science/geonetwork>

It's doable but a question: do you plan to ask the same for the tunaatlasc geoserver? because if so, I'll need to put a reverse proxy before both of them. Otherwise I'll just add a CNAME to the geonetwork server.

#25 - Sep 27, 2017 12:19 PM - Julien Barde

Indeed, I think it would make sense to share the same prefix for the URL of geoserver as well because the goal is to make it easier for users to remember it. It might be worth for other software components of the VREs as well if they can be accessed out of the VRE (Sharelatex, RStudio...)

#26 - Sep 27, 2017 12:56 PM - Andrea Dell'Amico

Julien Barde wrote:

Indeed, I think it would make sense to share the same prefix for the URL of geoserver as well because the goal is to make it easier for users to remember it. It might be worth for other software components of the VREs as well if they can be accessed out of the VRE (Sharelatex, RStudio...)

OK for the geoserver, I can't do that for the services that have / as a context path. They are supposed to be accessed from inside a VRE, anyway.

#27 - Sep 27, 2017 01:04 PM - Emmanuel Blondel

Thanks Andrea, let us know when the new URLs are in place (for those apps where you can modify it like geoserver, geonetwork and possibly others). Cheers

#28 - Sep 29, 2017 01:57 PM - Emmanuel Blondel

Hello @andrea.dellamico@isti.cnr.it when do you think you could make available the URLs <https://tunaatlasc-d4science.org/geonetwork> and <https://tunaatlasc-d4science.org/geoserver>. We would need this to share the links ASAP to key people in the community. Thanks in advance

#29 - Sep 29, 2017 03:20 PM - Andrea Dell'Amico

Emmanuel Blondel wrote:

when do you think you could make available the URLs <https://tunaatlasc-d4science.org/geonetwork> and <https://tunaatlasc-d4science.org/geoserver>. We would need this to share the links ASAP to key people in the community. Thanks in advance

Later today or monday should be available.

#30 - Sep 29, 2017 03:21 PM - Andrea Dell'Amico

- Related to VM Creation #9830: New couple of reverse proxies to redirect and (or) balance some of the services added

#31 - Oct 01, 2017 01:03 AM - Emmanuel Blondel

I would also need an access to Geonetwork logs, indeed they are issues related to size of ISO 19110 metadata files, and i would like to inspect logs and to liaise with Geonetwork core team If it appears to be a bug. I suppose I need an SFTP access for this? Thanks in advance

#32 - Oct 02, 2017 02:57 PM - Andrea Dell'Amico

Emmanuel Blondel wrote:

I would also need an access to Geonetwork logs, indeed they are issues related to size of ISO 19110 metadata files, and i would like to inspect logs and to liaise with Geonetwork core team If it appears to be a bug. I suppose I need an SFTP access for this? Thanks in advance

You can access all the logs from here: <http://geonetwork2-tunaatlasc.d4science.org/gcube-logs/>

#33 - Oct 02, 2017 02:59 PM - Andrea Dell'Amico

[http\(s\)://tunaatlasc.d4science.org/{geonetwork,geoserver}](http(s)://tunaatlasc.d4science.org/{geonetwork,geoserver}) is ready.
There's no valid https certificate yet, it will be emitted in the next days.

#34 - Oct 06, 2017 03:00 PM - Emmanuel Blondel

Thanks @andrea.dellamico@isti.cnr.it and @fabio.sinibaldi@isti.cnr.it I've tested and everything it's ok. Thanks for your efforts in pushing to GN3. At this stage, considering Fabio's request, I think we can safely dismiss the Geonetwork 2 instance, and close this ticket.

#35 - Oct 06, 2017 06:29 PM - Andrea Dell'Amico

- Status changed from Feedback to Closed

geonetwork1-tunaatlasc.d4science.org has been dismissed.