

# IRC Logs Oct 27th

Agenda:

- 0) What is up?
- 1) Geotools.org domain
- 2) meeting time for sydney
- 3) functionfactory

**acuster** jody

**kgarnett** good morning

**kgarnett** sorry to be late - packing up on this end.

**kgarnett** if we email admin@refractions.net they may know something about the domain

**acuster** it's james macgill's

**acuster** registered in england

**acuster** we need to recuperate it

## acuster negotiates with osgeo

**acuster** kgarnett, when are you leaving?

**kgarnett** ah

**kgarnett** I left refractions last week

**kgarnett** I am on a plane this Friday

**kgarnett** (so this week is packing - I will not be online much)

**acuster** ouch

**acuster** no month long holiday in between?

**kgarnett** nope - refractions did not pay well enough for that 😊

**acuster** osgeo is willing to hold the registration for us

**acuster** so that seems like a viable option either when james answers or when his control lapses

**kgarnett** understood; thanks for figuring that out

**acuster** anything else jody?

**acuster** anyone else?

**kgarnett** well I have been following aaime's progress on filter clean up

## Ecclesia has left #geotools

**kgarnett** and all I can say is

**kgarnett** aaime++

**kgarnett** I really appreciate the work you are doing.

**aaime** Ah hety

**aaime** sorry, I did not realize the meeting time moved for me

**kgarnett** but nothing important from me ... if I cannot hack I should not waste meeting time.

**aaime** since we went back to solar hour tonight

**kgarnett** note this meeting time will be unsuitable for me after this week 😊

**aaime** right right

**kgarnett** I would recommend two meeting times (like we did for geoserver for a while)

**aaime** maybe we can negotiate a different time... not sure if there will be any time good for everybody

**kgarnett** one agenda carried over to the next ...

**aaime** we can try

**aaime** so you'll be in Sydney right?

**kgarnett** correct

**aaime** <http://www.timeanddate.com/worldclock/meetingtime.html?day=27&month=10&year=2008&p1=179&p2=734&p3=215&p4=240>

**aaime** Victoria might soon become irrelevant meeting time wise

**kgarnett** depends when jdeolive picks up sticks

**aaime** right

**acuster** early morning au and late night eu is the only one that works

**acuster** if memory serves

**aaime** if we do a single meeting, yep

**kgarnett** in anycase we do not need to make the decision today

**aaime** I must have picked the wrong Victoria above

**aaime** this one looks better:

**aaime** <http://www.timeanddate.com/worldclock/meetingtime.html?day=27&month=10&year=2008&p1=179&p2=256&p3=215&p4=240>

**aaime** kgarnett, not sure what the times for gs meetings were

**kgarnett** they were at 12:30 pst

**aaime** I mean, as far as I can see the table it seems Sydney is going to do a stand alone meeting anyways?

**kgarnett** perhaps we will have to see what kind of community I can scare up

**kgarnett** I may be reduced to reading logs.

**kgarnett** in anycase we do not need to decide this week; and next week I should be jet lagged and awake.

**aaime** yep  
**aaime** Ah, I have news about labelling  
**aaime** we got a sponsor that is giving us the possibility to implement label displacement on lines in case of conflict  
**aaime** and labelling long lines multiple times  
**aaime** if we're lucky, maybe even curved labels along roads  
**aaime** and multi line labels  
**aaime** (the latter is unlikely, but we'll see)  
**aaime** atm I'm coding a modified label cache in geoserver  
**aaime** then we'll see how to donate back to gt2  
**jdeolive** i think someone is playing voodoo with geotools... the sourceforge site says "invalid project"  
**jdeolive** when i go to <http://sourceforge.net/projects/geotools/>  
**aaime** ouch?  
**aaime** jdeolive, it shows fine for me?  
**kgarnett** not for mee  
**jdeolive** hmmm... wierd  
**jdeolive** i just refreshed and its ok again  
**jdeolive** like i said... voodoo 😊  
**kgarnett** agreed it is back  
**aaime** kgarnett, I guess you have no powers over that dns issue?  
**kgarnett** none  
**kgarnett** pramsey figured out some stuff last time  
**kgarnett** but I think it is about the same as what acuster told me a few minuets ago.  
**jdeolive** who owns the domain?  
**jdeolive** james?  
**kgarnett** correct  
**kgarnett** we could see about redirecting geotools.osgeo.org  
**acuster** osgeo is willing and able to take over control of the domain  
**acuster** if we can wrestle it from james  
**acuster** I suggest we sponsor jody to go threaten james  
**acuster** since they will be on the same continent

**vheureaux\_ (n=vheurea@85-170-87-197.rev.numericable.fr) has joined #geotools**

**kgarnett** I thought james was in NY now?  
**aaime** I don't know  
**acuster** ah? /me has no idea  
**aaime** but yeah, I head something along those lines some time ago  
**kgarnett** well that may be it for the meeting  
**kgarnett** if someone can post the logs I would not mind reviewing the earlier discussion

**vheureaux has left freenode (Read error: 110 (Connection timed out))**

**acuster** there was none

**apetkov (i=a6071a31@gateway/web/ajax/mibbit.com/x-369702630bef51df) has joined #geotools**

== jgarnett has changed the topic to "Visit us at <http://geotools.codehaus.org/>"  
**kgarnett** that will do for a subject line today.  
**apetkov** geotools' svn down today?

**desruisseaux (n=chatzill@mtd203.teledetection.fr) has joined #geotools**

**acuster** apetkov, only the dns  
**acuster** anyone have the numeric address?  
**apetkov** not me 😞  
**aaime** Ben posted it on the ml  
**aaime** just a sec  
**aaime** you can use: 64.40.100.236 svn.geotools.org  
**aaime** if you prefer a name: gtsvn.refractions.net  
== jgarnett has changed the topic to "Visit us at <http://geotools.codehaus.org/> (source code at <http://gtsvn.refractions.net/>)"  
**aaime** jgarnett, I'm still waiting from some examples on your part on the function factory issue  
**aaime** 'cause I don't understand what you're suggesting and how it's supposed to be used

**oterral123 has left freenode ("Leaving.")**

**kgarnett** hi aaime  
**kgarnett** I am going to have to go soon; but perhaps I can explain  
**kgarnett** the idea is to make sure that we can **always** represent the expression (or SLD)  
**kgarnett** as provided by the user  
**kgarnett** regardless of if we have an implementation or not.  
**kgarnett** is that part okay?  
**kgarnett** just treat a function expression like a data structure  
**aaime** sort of  
**kgarnett** so I want to make sure we can do that; so geotools can be used to construct an SLD file for a WMS  
**kgarnett** that has functions available to it  
**aaime** yeah ok, I don't like it but I get it  
**kgarnett** that we have not implemented in geotools.  
**kgarnett** (for example).  
**kgarnett** Or expressions for a datastore that has functions that we have not implemented in geotools.  
**aaime** and then what?  
**kgarnett** so there are two ways to do this ...  
**kgarnett** a) try all our implementations during creation time (ie filterfactory.function( String, List<Expression> )  
**kgarnett** b) or try finding an implementation when execute is called  
**kgarnett** At least that is the only two I have thought of ...  
**aaime** a) seems a bit more natural to me  
**aaime** if you don't find an implementation, return a placeholder that will return the fallback value or throw an exception when it's called  
**kgarnett** if we choose (a) like we do right now; we need to make sure the factory has a placeholder function ... and that is what it has right now (but it only uses this placeholder if you have provided a fallback value)  
**kgarnett** bingo - so that is what we got.  
**aaime** that deals also with the case in which you're hitting the datastore that can evaluate it, but you cannot encode it because it's mixed up with something else that cannot be encoded  
**aaime** b) would require major changes in the code, and I don't see the advantage  
**kgarnett** And we are both comfortable throwing an exception if an implementation cannot be found; and no fallback value is provided?  
**aaime** I am  
**kgarnett** The advantage for me was that we could make our own "library" extension - and have it cover the Function and the FunctionName use cases.  
**aaime** we just have to decide whether to do so at parsing or execution time  
**aaime** I'd say execution  
**aaime** there I lost you  
**aaime** we already have a function extension point  
**kgarnett** yeah; execution - because people should still be able to create the data structure (perhaps it is not even for geotools after all)  
**kgarnett** our function extension point is not very good IMHO - we seem to need to cover the FunctionName data structure  
**kgarnett** and I would like to have a larger unit to contribute than just one function at a time.  
**kgarnett** But you had some good suggestions about that? A FunctionFactory ?  
**aaime** Yep  
**aaime** a factory that can generate many functions  
**kgarnett** Note if we are contributing at execution time - then we do not need to contribute a GeoAPI Function  
**aaime** and I mean, that is orthogonal to the idea of treating the function as a data structure and locating the actual implementation at execution time  
**kgarnett** we can contribute something smaller if that is helpful.  
**kgarnett** agreed.  
**aaime** something... smaller?  
**kgarnett** so to back up; we are totally happy with how function is shaping up.  
**kgarnett** I am interested in talking about the "FunctionFactory" interface  
**aaime** it seems to me we're already registering with the bare minimum information?  
**aaime** (even with the proposed function factory, that would just barely return argument count and name)  
**aaime** how can you make anything... smaller?  
**kgarnett** I was under the impression that we registered with too little information; and we were having to double back and register functionName implementations.  
**kgarnett** (note I would like to also list attribute names if that is okay;  
**kgarnett** and I have the difficulty of variable length functions)  
**aaime** The idea I had is that you register the factory  
**aaime** and the factory has the names and whatnot in code  
**aaime** for whatever function it generates  
**kgarnett** right; so you see how a factory would "produce" a Function?  
**kgarnett** if we are doing it at execution time  
**kgarnett** then we do not need it to produce a function  
**kgarnett** we could have it produce an answer.  
**aaime** and would that be any better? Oh, instead of having a raft of classes  
**kgarnett** perhaps you should talk about binding at execution time?  
**kgarnett** right ...  
**aaime** you only have a big switch statement?

**Eclesia (n=elesia@246.145.98-84.rev.gaoland.net) has joined #geotools**

**kgarnett** switch statement  
**kgarnett** or reflection onto static methods ...  
**kgarnett** you get the picture.  
**aaime** the latter would be good for execution  
**aaime** but it won't give you the argument names  
**aaime** (no debug info, no arg name available in the vm)  
**kgarnett** that is what I was meaning by a "Library" extension point. I am sorry I could not find the email where I proposed the idea...  
== vheurteaux\_ is now known as veurteaux  
**kgarnett** that is the part where it is weak; annotations could help. But perhaps it would be a waste of time ...  
**aaime** yeah well, it's doable but it would be quite a change  
**kgarnett** I was just trying to think of the bare minimum that someone could right.  
**aaime** So ok, the idea is nice, I just doubt I can stand that much work  
**aaime** filter switch is already killing me  
**kgarnett** Note I am happy with FunctionFactory approach  
**aaime** and we have a million deprecations around out of the styling changes that again no one cared to fix  
**kgarnett** I am sorry to be away from the code base; when you are working so hard.  
**aaime** kgarnett, the issue has been there forever  
**kgarnett** stylebuilder / stylefactory are murder  
**aaime** I just decided that if I wasn't doing that, nobody would  
**aaime** yeah whatever, the usual stuff, people complains, nobody moves a finger  
**kgarnett** aaime++ - I have done small amounts; but nothing like what you are doing now.  
**kgarnett** I wanted to ask how you were doing with filtercapabilities; that is where I got a little stuck last time.  
**aaime** atm I stil haven't looked deeply into it  
**aaime** I'm trying to fix one thing at a time  
**aaime** otherwise the job is so big that I will loose any interest before even starting

## **cbriancon has left freenode ("Leaving.")**

**kgarnett** okay  
**kgarnett** thanks for the chat andrea; easier than swapping email back and forth  
**aaime** I'm considering adding a proposal  
**aaime** in which whoever deprecates an API  
**kgarnett** I have implemented the "Library" idea once; for the WPS work  
**kgarnett** (it was one of the approaches we considered)  
**aaime** finds the resources to clean up all the usage points in the library  
**kgarnett** I should go soon.  
**aaime** k  
**kgarnett** um stupid idea; we could kill an ant with a hammer here  
**kgarnett** and use the wps process class  
**aaime** ugh, heavy  
**kgarnett** it does the same work; we just needed way more detail on the wps side  
**aaime** 😊  
**kgarnett** yeah - stupid idea.  
**aaime** or maybe not

## **desruisseaux has left freenode ("ChatZilla 0.9.83 Firefox 2.0.0.17/2008101012")**

**aaime** I mean, if the process generates just one scalar output  
**kgarnett** and not appropriate; filter is "typeless"  
**aaime** it could be considered a function as well  
**kgarnett** We experimented with that; as I recall it was mostly to allow a programmer to write less code.  
**kgarnett** (make the easy case easy etc...)  
**kgarnett** okay enough of that; if I can find the library example I may send it to the email list.  
**aaime** cool thanks  
**kgarnett** And if you have any questions I can help you with please send them my way; I will be checking email and stuff.  
**kgarnett** Is it worth posting the logs from todays "meeting"?  
**kgarnett** yeah it probably is - no news in a while.  
**kgarnett** (besides nobody can find the website)