SEEK - Bug #1163

install and configure certificate authority system for ecogrid

09/26/2003 02:43 PM - Matt Jones

Status:	New	**Start date:**	09/26/2003
Priority:	Immediate	**Due date:**	
Assignee:	Jing Tao	**% Done:**	0%
Category:	ecogrid	**Estimated time:**	0.00 hour
Target version:	ecogrid-1.1.0	**Spent time:**	0.00 hour
Bugzilla-Id:	1163		

Description

We need a common mechanism for authenticating users for EcoGrid. We have general agreement that the OGSA Grid Security Infrastructure (GSI) is the right way to handle this. For that to work, every user needs to have a public key certificate which is signed by a certificate authority (CA). In Seattle Sept 23 the EcoGrid team agreed that the best way to handle this is through a hierarchichal certificate granting structure. A root EcoGrid CA will sign certificates for various organizations such as LTER and NCEAS, and they in turn will sign certificates for users in their organization. This 'chain-of-trust', if properly managed, should establish strong security and be scalable to the > 5000 scientists in our current personnel directories.

Each of these trusted CA's would probably also act as one of the distributed EcoGrid Registries for locating services throughout the grid.

For this to work, we need a simple system in place for users to request certificates and for the CA admins to sign them. Matt agreed to tackle this.

The tricky issues remaining here include:
1) What system can be used for distributing DN info to mapfiles?
2) How can browser-based interfaces be used with certificates?

History

#1 - 11/29/2005 12:06 PM - Matt Jones

This system will instead be implemented by the GAMA server using MyProxy. We will automatically generate certificates for accounts that are validated. Jing has been working on the GAMA side of things for SEEK, and GEON already has a GAMA server in place.

#2 - 03/27/2013 02:16 PM - Redmine Admin

Original Bugzilla ID was 1163