

Python GMN - Bug #6766

FYI ONLY: GMN local install with self-signed CA certificate breaks with new SSL support in Python 2.7.9

2015-01-20 18:53 - Mark Servilla

Status:	New	Start date:	2015-01-20
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Story Points:			
Description As of Python 2.7.9, which was released late 2014, full SSL support is now enabled (https://www.python.org/dev/peps/pep-0476/). This change in the Python SSL module will cause an SSL exception to occur when connecting to any server using a self-signed certificate and or a certificate that is signed by a non-recognized CA -- this change directly affects a "local" installation of GMN if using the local CA (http://pythonhosted.org/dataone.generic_member_node/setup-local-authn-ca.html). This problem manifests in any Python 2.7.9 client using the SSL module that attempts an SSL connection to a "local" install of GMN. There is, however, a " highly discouraged " global setting that reverts the SSL module to its previous behavior: import ssl ssl._create_default_https_context = ssl._create_unverified_context Note: testing with a server that uses a certificate signed with a recognizable CA averts any exception.			