

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

<b>Status:</b>	New	<b>Start date:</b>	2015-01-20
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Story Points:</b>			
<b>Description</b> As of Python 2.7.9, which was released late 2014, full SSL support is now enabled ( <a href="https://www.python.org/dev/peps/pep-0476/">https://www.python.org/dev/peps/pep-0476/</a> ). 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 ( <a href="http://pythonhosted.org/dataone.generic_member_node/setup-local-authn-ca.html">http://pythonhosted.org/dataone.generic_member_node/setup-local-authn-ca.html</a> ). 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 " <b>highly discouraged</b> " 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.			