

报错 custom_require.rb:36:in gem_original_require: no such file to load--puppet 的解决

最近在测试在 windows 安装 mcollective，一直卡在一个问题上，以下是 windows 上重启 mcollectived 服务后报的错误

```
agents.rb Loading agent puppet failed: Could not create instance of plugin
MCollective::Agent::Puppet: C:/Puppet
Labs/Puppet/sys/ruby/lib/ruby/site_ruby/1.8/rubygems/custom_require.rb:36:in
`gem_original_require': no such file to load--puppet

D, [2013-12-19T08:49:51.572777 #1696] DEBUG -- : windows_daemon.rb Starting Windows
Service Daemon
D, [2013-12-19T08:49:51.572777 #1696] DEBUG -- : pluginmanager.rb Returning cached
plugin global_stats with class MCollective::RunnerStats
D, [2013-12-19T08:49:51.572777 #1696] DEBUG -- : pluginmanager.rb Returning new
plugin security_plugin with class MCollective::Security::Psk
D, [2013-12-19T08:49:51.572777 #1696] DEBUG -- : pluginmanager.rb Returning cached
plugin global_stats with class MCollective::RunnerStats
D, [2013-12-19T08:49:51.572777 #1696] DEBUG -- : pluginmanager.rb Returning new
plugin connector_plugin with class MCollective::Connector::Stomp
I, [2013-12-19T08:49:51.572777 #1696] INFO -- : stomp.rb MCollective 2.2.x will be
the last to fully support the 'stomp' connector, please migrate to the 'activemq'
or 'rabbitmq' connector
D, [2013-12-19T08:49:51.572777 #1696] DEBUG -- : stomp.rb Connecting to
192.168.100.122:61613
D, [2013-12-19T08:49:51.588377 #1696] DEBUG -- : agents.rb Reloading all agents
from disk
D, [2013-12-19T08:49:51.588377 #1696] DEBUG -- : agents.rb Found discovery at
C:\mcollective\plugins\mcollective\agent\discovery.rb
D, [2013-12-19T08:49:51.588377 #1696] DEBUG -- : pluginmanager.rb Loading
MCollective::Agent::Discovery from mcollective/agent/discovery.rb
D, [2013-12-19T08:49:51.588377 #1696] DEBUG -- : agents.rb
MCollective::Agent::Discovery does not have an activate? method, activating as
default
D, [2013-12-19T08:49:51.588377 #1696] DEBUG -- : pluginmanager.rb Registering
plugin discovery_agent with class MCollective::Agent::Discovery single_instance:
true
D, [2013-12-19T08:49:51.588377 #1696] DEBUG -- : pluginmanager.rb Returning new
plugin discovery_agent with class MCollective::Agent::Discovery
D, [2013-12-19T08:49:51.588377 #1696] DEBUG -- : pluginmanager.rb Returning cached
plugin connector_plugin with class MCollective::Connector::Stomp
```

```
D, [2013-12-19T08:49:51.588377 #1696] DEBUG -- : stomp.rb Subscribing to
/topic/mcollective.discovery.command
D, [2013-12-19T08:49:51.588377 #1696] DEBUG -- : agents.rb Found puppet at
C:\mcollective\plugins\mcollective\agent\puppet.rb
D, [2013-12-19T08:49:51.588377 #1696] DEBUG -- : pluginmanager.rb Loading
MCollective::Agent::Puppet from mcollective/agent/puppet.rb
D, [2013-12-19T08:49:51.603977 #1696] DEBUG -- : pluginmanager.rb Registering
plugin puppet_agent with class MCollective::Agent::Puppet single_instance: false
D, [2013-12-19T08:49:51.603977 #1696] DEBUG -- : pluginmanager.rb Returning new
plugin puppet_agent with class MCollective::Agent::Puppet
D, [2013-12-19T08:49:51.603977 #1696] DEBUG -- : cache.rb Cache miss on 'ddl' key
'agent/puppet'
D, [2013-12-19T08:49:51.603977 #1696] DEBUG -- : base.rb Found puppet ddl at
C:\mcollective\plugins\mcollective\agent\puppet.ddl
E, [2013-12-19T08:49:51.619577 #1696] ERROR -- : agents.rb Loading agent puppet
failed: Could not create instance of plugin MCollective::Agent::Puppet: C:/Puppet
Labs/Puppet/sys/ruby/lib/ruby/site_ruby/1.8/rubygems/custom_require.rb:36:in
`gem_original_require': no such file to load -- puppet
D, [2013-12-19T08:49:51.619577 #1696] DEBUG -- : agents.rb Found rpcutil at
C:\mcollective\plugins\mcollective\agent\rpcutil.rb
D, [2013-12-19T08:49:51.619577 #1696] DEBUG -- : pluginmanager.rb Loading
MCollective::Agent::Rpcutil from mcollective/agent/rpcutil.rb
D, [2013-12-19T08:49:51.619577 #1696] DEBUG -- : agent.rb Starting default
activation checks for rpcutil
D, [2013-12-19T08:49:51.619577 #1696] DEBUG -- : pluginmanager.rb Registering
plugin rpcutil_agent with class MCollective::Agent::Rpcutil single_instance: false
D, [2013-12-19T08:49:51.619577 #1696] DEBUG -- : pluginmanager.rb Returning new
plugin rpcutil_agent with class MCollective::Agent::Rpcutil
D, [2013-12-19T08:49:51.619577 #1696] DEBUG -- : cache.rb Cache miss on 'ddl' key
'agent/rpcutil'
D, [2013-12-19T08:49:51.619577 #1696] DEBUG -- : base.rb Found rpcutil ddl at
C:\mcollective\plugins\mcollective\agent\rpcutil.ddl
D, [2013-12-19T08:49:51.619577 #1696] DEBUG -- : pluginmanager.rb Returning cached
plugin connector_plugin with class MCollective::Connector::Stomp
D, [2013-12-19T08:49:51.619577 #1696] DEBUG -- : stomp.rb Subscribing to
/topic/mcollective.rpcutil.command
D, [2013-12-19T08:49:51.619577 #1696] DEBUG -- : pluginmanager.rb Loading
MCollective::Data::Agent_data from mcollective/data/agent_data.rb
D, [2013-12-19T08:49:51.619577 #1696] DEBUG -- : pluginmanager.rb Registering
plugin agent_data with class MCollective::Data::Agent_data single_instance: false
D, [2013-12-19T08:49:51.619577 #1696] DEBUG -- : pluginmanager.rb Loading
MCollective::Data::Fstat_data from mcollective/data/fstat_data.rb
D, [2013-12-19T08:49:51.619577 #1696] DEBUG -- : pluginmanager.rb Registering
plugin fstat_data with class MCollective::Data::Fstat_data single_instance: false
```

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D, [2013-12-19T08:49:51.619577 #1696] DEBUG -- : pluginmanager.rb Loading
MCollective::Data::Puppet_data from mcollective/data/puppet_data.rb
D, [2013-12-19T08:49:51.619577 #1696] DEBUG -- : pluginmanager.rb Registering
plugin puppet_data with class MCollective::Data::Puppet_data single_instance: false
D, [2013-12-19T08:49:51.619577 #1696] DEBUG -- : pluginmanager.rb Loading
MCollective::Data::Resource_data from mcollective/data/resource_data.rb
D, [2013-12-19T08:49:51.635177 #1696] DEBUG -- : pluginmanager.rb Registering
plugin resource_data with class MCollective::Data::Resource_data single_instance:
false
D, [2013-12-19T08:49:51.635177 #1696] DEBUG -- : pluginmanager.rb Returning new
plugin resource_data with class MCollective::Data::Resource_data
D, [2013-12-19T08:49:51.635177 #1696] DEBUG -- : cache.rb Cache miss on 'ddl' key
'data/resource_data'
D, [2013-12-19T08:49:51.635177 #1696] DEBUG -- : base.rb Found resource_data ddl at
C:\mcollective\plugins\mcollective\data/resource_data.ddl
D, [2013-12-19T08:49:51.635177 #1696] DEBUG -- : pluginmanager.rb Returning new
plugin puppet_data with class MCollective::Data::Puppet_data
D, [2013-12-19T08:49:51.635177 #1696] DEBUG -- : cache.rb Cache miss on 'ddl' key
'data/puppet_data'
D, [2013-12-19T08:49:51.635177 #1696] DEBUG -- : base.rb Found puppet_data ddl at
C:\mcollective\plugins\mcollective\data/puppet_data.ddl
D, [2013-12-19T08:49:51.635177 #1696] DEBUG -- : pluginmanager.rb Returning new
plugin agent_data with class MCollective::Data::Agent_data
D, [2013-12-19T08:49:51.635177 #1696] DEBUG -- : cache.rb Cache miss on 'ddl' key
'data/agent_data'
D, [2013-12-19T08:49:51.635177 #1696] DEBUG -- : base.rb Found agent_data ddl at
C:\mcollective\plugins\mcollective\data/agent_data.ddl
D, [2013-12-19T08:49:51.635177 #1696] DEBUG -- : pluginmanager.rb Returning new
plugin fstat_data with class MCollective::Data::Fstat_data
D, [2013-12-19T08:49:51.635177 #1696] DEBUG -- : cache.rb Cache miss on 'ddl' key
'data/fstat_data'
D, [2013-12-19T08:49:51.635177 #1696] DEBUG -- : base.rb Found fstat_data ddl at
C:\mcollective\plugins\mcollective\data/fstat_data.ddl
D, [2013-12-19T08:49:51.635177 #1696] DEBUG -- : pluginmanager.rb Returning cached
plugin connector_plugin with class MCollective::Connector::Stomp
D, [2013-12-19T08:49:51.635177 #1696] DEBUG -- : stomp.rb Subscribing to
/topic/mcollective.mcollective.command
D, [2013-12-19T08:49:51.635177 #1696] DEBUG -- : stomp.rb Waiting for a message
from Stomp
```

分析问题是 ruby 加载 puppet 插件未成功报错，最终找到原因是 mcollective 主配置文件 server.cfg 中 `libdir = C:\mcollective\plugins` 中只指向了 mcollective 的 lib 库，并没有找到 puppet 和 facter 的 lib 库导致！ 因此需要在 libdir 中添加 puppet 和 facter 的 lib 库路

```
径 libdir = C:\mcollective\plugins;C:\Puppet Labs\Puppet\puppet\lib;C:\Puppet  
Labs\Puppet\factor\libdir
```

备注：puppet 和 factor 的 lib 路径可能跟上面不符，可进行查看获得！

为了能够和大家更好的交流和学习 Puppet，本人 2014 年又新开辟了微信公众号进行交流学习，目前已经有 300 多人同时收听，喜欢 Puppet 的大神们可自行加入哦。

如果你有好的有关 Puppet 的咨询也可以给我投稿，投稿邮箱：
admin@kisspuppet.com

微信公众号：“**puppet2014**”，可搜索加入，也可以扫描以下二维码

