

install greenplum loader in linux

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kettle的表输出，插入更新控件对于greenplum的支持力度较小，在生产库中直接无法使用，建议使用kettle调用gp的load软件来处理数据；这样就需要在kettle服务器上装一套greenplum loader软件；或者将kettle服务器直接部署在gp的主节点上；建议采用第一种方案；避免对greenplum整个环境的影响。

网上查找资料只有几份关于greenplum loader install的文档，它的部分软件部署是二进制方式，所以安装过程可能有这种或者那种的报错，要做好准备。

操作系统：CentOS release 6.5 (Final)

软件：PyYAML-3.10.tar.gz；greenplum-loaders-4.3.8.1-build-1-RHEL5-x86_64.zip；yaml-0.1.4.tar.gz

查看操作系统

`cat /etc/redhat-release` or `cat /etc/issue`

```
[root@etl ~]# cat /etc/redhat-release
CentOS release 6.5 (Final)
[root@etl ~]# cat /etc/issue
CentOS release 6.5 (Final)
Kernel \r on an \m
```

查看python版本

`python`

```
[root@etl opt]# python
Python 2.6.6 (r266:84292, Nov 22 2013, 12:16:22)
[GCC 4.4.7 20120313 (Red Hat 4.4.7-4)] on linux2
Type "help", "copyright", "credits" or "license()" for more information.
>>>
```

python版本要求2.4.4以上

将软件都上传到opt文件

解压pyyaml文件

`tar -zxvf PyYAML-3.10.tar.gz`

```
[root@etl opt]# tar -zxvf PyYAML-3.10.tar.gz
PyYAML-3.10/
PyYAML-3.10/ext/
PyYAML-3.10/ext/_yaml.pxd
PyYAML-3.10/ext/_yaml.c
PyYAML-3.10/ext/_yaml.h
PyYAML-3.10/ext/_yaml.pyx
PyYAML-3.10/tests/
PyYAML-3.10/tests/data/
PyYAML-3.10/tests/data/duplicate-tag-directive.loader-error
PyYAML-3.10/tests/data/serializer-is-not-opened-1.dumper-error
PyYAML-3.10/tests/data/construct-python-name-module.code
PyYAML-3.10/tests/data/spec-05-01-utf8.data
PyYAML-3.10/tests/data/spec-08-02.canonical
PyYAML-3.10/tests/data/utf16be.code
PyYAML-3.10/tests/data/bool.data
PyYAML-3.10/tests/data/spec-05-04.data
PyYAML-3.10/tests/data/invalid-tag-directive-handle.loader-error
PyYAML-3.10/tests/data/duplicate-yaml-directive.loader-error
PyYAML-3.10/tests/data/spec-08-04.error
PyYAML-3.10/tests/data/a-nasty-libyaml-bug.loader-error
PyYAML-3.10/tests/data/construct-custom.code
PyYAML-3.10/tests/data/spec-09-14.data
PyYAML-3.10/tests/data/spec-08-09.canonical
PyYAML-3.10/tests/data/aliases-cdumper-bug.code
PyYAML-3.10/tests/data/construct-python-unicode-ascii-py3.code
PyYAML-3.10/tests/data/invalid-python-module-value.loader-error
PyYAML-3.10/tests/data/spec-09-24.canonical
PyYAML-3.10/tests/data/yaml.detect
PyYAML-3.10/tests/data/spec-02-25.structure
PyYAML-3.10/tests/data/spec-02-09.data
PyYAML-3.10/tests/data/spec-07-09.canonical
PyYAML-3.10/tests/data/expected-mapping.loader-error
PyYAML-3.10/tests/data/duplicate-key.former-loader-error.data
PyYAML-3.10/tests/data/spec-02-04.tokens
PyYAML-3.10/tests/data/spec-08-13.skip-ext
PyYAML-3.10/tests/data/single-dot-is-not-float-bug.code
PyYAML-3.10/tests/data/spec-02-28.data
PyYAML-3.10/tests/data/spec-02-09.canonical
```

PyYAML-3.10/tests/data/empty-anchor.emitter-error
PyYAML-3.10/tests/data/spec-10-10.data
PyYAML-3.10/tests/data/construct-bool.data
PyYAML-3.10/tests/data/spec-09-23.data
PyYAML-3.10/tests/data/spec-07-03.data
PyYAML-3.10/tests/data/spec-02-02.structure
PyYAML-3.10/tests/data/spec-05-06.canonical
PyYAML-3.10/tests/data/spec-05-15.error
PyYAML-3.10/tests/data/spec-02-08.data
PyYAML-3.10/tests/data/invalid-yaml-directive-version-2.loader-error
PyYAML-3.10/tests/data/invalid-python-module-kind.loader-error
PyYAML-3.10/tests/data/spec-07-12b.data
PyYAML-3.10/tests/data/construct-python-long-short-py2.data
PyYAML-3.10/tests/data/spec-05-13.data
PyYAML-3.10/tests/data/spec-10-07.canonical
PyYAML-3.10/tests/data/spec-10-02.data
PyYAML-3.10/tests/data/spec-07-11.data
PyYAML-3.10/tests/data/spec-06-04.data
PyYAML-3.10/tests/data/spec-05-07.canonical
PyYAML-3.10/tests/data/null.data
PyYAML-3.10/tests/data/spec-05-10.data
PyYAML-3.10/tests/data/spec-02-15.tokens
PyYAML-3.10/tests/data/spec-05-02-utf16le.error
PyYAML-3.10/tests/data/serializer-is-already-opened.dumper-error
PyYAML-3.10/tests/data/spec-05-08.canonical
PyYAML-3.10/tests/data/spec-06-05.data
PyYAML-3.10/tests/data/construct-timestamp.data
PyYAML-3.10/tests/data/spec-07-01.data
PyYAML-3.10/tests/data/spec-09-25.canonical
PyYAML-3.10/tests/data/spec-09-06.data
PyYAML-3.10/tests/data/invalid-python-name-kind.loader-error
PyYAML-3.10/tests/data/invalid-yaml-directive-version-6.loader-error
PyYAML-3.10/tests/data/spec-02-09.tokens
PyYAML-3.10/tests/data/emitting-unacceptable-unicode-character-bug-py2.data
PyYAML-3.10/tests/data/spec-02-10.data
PyYAML-3.10/tests/data/spec-07-03.error
PyYAML-3.10/tests/data/spec-07-04.data
PyYAML-3.10/tests/data/spec-10-01.canonical
PyYAML-3.10/tests/data/spec-10-09.data
PyYAML-3.10/tests/data/spec-06-07.data
PyYAML-3.10/tests/data/spec-08-04.data
PyYAML-3.10/tests/data/spec-05-03.canonical
PyYAML-3.10/tests/data/emit-block-scalar-in-simple-key-context-bug.canonical
PyYAML-3.10/tests/data/spec-02-15.structure
PyYAML-3.10/tests/data/construct-python-unicode-ascii-py3.data
PyYAML-3.10/tests/data/construct-custom.data
PyYAML-3.10/tests/data/spec-02-02.tokens
PyYAML-3.10/tests/data/value.detect
PyYAML-3.10/tests/data/spec-02-16.data
PyYAML-3.10/tests/data/spec-02-05.structure
PyYAML-3.10/tests/data/construct-python-str-ascii.code
PyYAML-3.10/tests/data/spec-10-03.canonical
PyYAML-3.10/tests/data/spec-10-11.data
PyYAML-3.10/tests/data/spec-02-03.structure
PyYAML-3.10/tests/data/spec-09-33.data
PyYAML-3.10/tests/data/spec-02-23.data
PyYAML-3.10/tests/data/emitting-unacceptable-unicode-character-bug-py2.skip-ext
PyYAML-3.10/tests/data/spec-02-22.structure
PyYAML-3.10/tests/data/spec-05-03.data
PyYAML-3.10/tests/data/construct-python-none.data
PyYAML-3.10/tests/data/spec-02-01.tokens
PyYAML-3.10/tests/data/spec-09-03.data
PyYAML-3.10/tests/data/utf8-implicit.data
PyYAML-3.10/tests/data/spec-09-29.canonical
PyYAML-3.10/tests/data/spec-09-01.data
PyYAML-3.10/tests/data/spec-05-07.data
PyYAML-3.10/tests/data/recursive.former-dumper-error
PyYAML-3.10/tests/data/spec-08-14.data
PyYAML-3.10/tests/data/empty-python-name.loader-error
PyYAML-3.10/tests/data/spec-02-11.tokens
PyYAML-3.10/tests/data/spec-07-07b.data
PyYAML-3.10/tests/data/spec-02-27.structure
PyYAML-3.10/tests/data/spec-09-31.data
PyYAML-3.10/tests/data/utf8.code
PyYAML-3.10/tests/data/sequences.events
PyYAML-3.10/tests/data/construct-python-float.code
PyYAML-3.10/tests/data/invalid-yaml-directive-version-5.loader-error
PyYAML-3.10/tests/data/spec-06-04.canonical
PyYAML-3.10/tests/data/sloppy-indentation.canonical
PyYAML-3.10/tests/data/invalid-pairs-2.loader-error
PyYAML-3.10/tests/data/spec-02-05.tokens
PyYAML-3.10/tests/data/invalid-uri-escapes-3.loader-error
PyYAML-3.10/tests/data/invalid-python-bytes-2-py3.loader-error
PyYAML-3.10/tests/data/spec-09-16.data
PyYAML-3.10/tests/data/construct-python-str-utf8-py3.code
PyYAML-3.10/tests/data/construct-python-complex.code
PyYAML-3.10/tests/data/spec-02-09.structure
PyYAML-3.10/tests/data/construct-value.data
PyYAML-3.10/tests/data/spec-09-04.canonical
PyYAML-3.10/tests/data/construct-merge.data
PyYAML-3.10/tests/data/merge.detect
PyYAML-3.10/tests/data/invalid-pairs-3.loader-error
PyYAML-3.10/tests/data/spec-02-12.structure
PyYAML-3.10/tests/data/no-node-2.loader-error
PyYAML-3.10/tests/data/spec-05-01-utf16be.data
PyYAML-3.10/tests/data/spec-09-24.data
PyYAML-3.10/tests/data/implicit-document.single-loader-error
PyYAML-3.10/tests/data/spec-02-11.data
PyYAML-3.10/tests/data/spec-02-25.tokens
PyYAML-3.10/tests/data/construct-int.code
PyYAML-3.10/tests/data/construct-python-int.code
PyYAML-3.10/tests/data/invalid-omap-2.loader-error
PyYAML-3.10/tests/data/spec-05-09.data

PyYAML-3.10/tests/data/spec-09-00.data
PyYAML-3.10/tests/data/spec-09-25.data
PyYAML-3.10/tests/data/spec-09-01.canonical
PyYAML-3.10/tests/data/spec-09-20.canonical
PyYAML-3.10/tests/data/spec-09-26.data
PyYAML-3.10/tests/data/forbidden-key.loader-error
PyYAML-3.10/tests/data/scan-line-break-bug.canonical
PyYAML-3.10/tests/data/spec-09-08.canonical
PyYAML-3.10/tests/data/spec-08-12.data
PyYAML-3.10/tests/data/spec-02-26.tokens
PyYAML-3.10/tests/data/construct-merge.code
PyYAML-3.10/tests/data/spec-08-01.data
PyYAML-3.10/tests/data/aliases.events
PyYAML-3.10/tests/data/spec-02-13.tokens
PyYAML-3.10/tests/data/invalid-item-without-trailing-break.loader-error
PyYAML-3.10/tests/data/invalid-pairs-1.loader-error
PyYAML-3.10/tests/data/invalid-anchor-1.loader-error
PyYAML-3.10/tests/data/spec-06-03.canonical
PyYAML-3.10/tests/data/spec-08-03.data
PyYAML-3.10/tests/data/spec-07-01.canonical
PyYAML-3.10/tests/data/utf8.data
PyYAML-3.10/tests/data/spec-10-06.canonical
PyYAML-3.10/tests/data/timestamp-bugs.code
PyYAML-3.10/tests/data/invalid-utf8-byte.stream-error
PyYAML-3.10/tests/data/spec-08-13.data
PyYAML-3.10/tests/data/recursive-list.recursive
PyYAML-3.10/tests/data/spec-02-10.structure
PyYAML-3.10/tests/data/spec-07-13.canonical
PyYAML-3.10/tests/data/construct-seq.code
PyYAML-3.10/tests/data/resolver.path
PyYAML-3.10/tests/data/spec-09-06.canonical
PyYAML-3.10/tests/data/spec-05-14.data
PyYAML-3.10/tests/data/negative-float-bug.code
PyYAML-3.10/tests/data/spec-06-07.canonical
PyYAML-3.10/tests/data/spec-02-22.tokens
PyYAML-3.10/tests/data/spec-07-01.skip-ext
PyYAML-3.10/tests/data/construct-timestamp.code
PyYAML-3.10/tests/data/invalid-yaml-version.loader-error
PyYAML-3.10/tests/data/spec-08-08.canonical
PyYAML-3.10/tests/data/spec-09-31.canonical
PyYAML-3.10/tests/data/spec-02-19.tokens
PyYAML-3.10/tests/data/spec-05-12.data
PyYAML-3.10/tests/data/invalid-single-quote-bug.code
PyYAML-3.10/tests/data/invalid-tag-handle-1.emitter-error
PyYAML-3.10/tests/data/resolver.data
PyYAML-3.10/tests/data/invalid-python-name-module-2.loader-error
PyYAML-3.10/tests/data/spec-09-10.canonical
PyYAML-3.10/tests/data/no-block-mapping-end-2.loader-error
PyYAML-3.10/tests/data/spec-02-11.structure
PyYAML-3.10/tests/data/spec-06-02.empty
PyYAML-3.10/tests/data/spec-02-24.tokens
PyYAML-3.10/tests/data/spec-02-10.tokens
PyYAML-3.10/tests/data/spec-02-23.tokens
PyYAML-3.10/tests/data/utf8-implicit.code
PyYAML-3.10/tests/data/utf16le.code
PyYAML-3.10/tests/data/invalid-python-name-object.loader-error
PyYAML-3.10/tests/data/spec-10-11.canonical
PyYAML-3.10/tests/data/duplicate-value-key.former-loader-error.code
PyYAML-3.10/tests/data/construct-binary-py3.data
PyYAML-3.10/tests/data/construct-python-int.data
PyYAML-3.10/tests/data/spec-02-27.tokens
PyYAML-3.10/tests/data/spec-08-06.data
PyYAML-3.10/tests/data/spec-02-17.structure
PyYAML-3.10/tests/data/float.detect
PyYAML-3.10/tests/data/invalid-starting-character.loader-error
PyYAML-3.10/tests/data/construct-python-float.data
PyYAML-3.10/tests/data/spec-05-05.data
PyYAML-3.10/tests/data/spec-05-04.canonical
PyYAML-3.10/tests/data/int.detect
PyYAML-3.10/tests/data/spec-10-08.error
PyYAML-3.10/tests/data/spec-02-08.structure
PyYAML-3.10/tests/data/spec-09-33.canonical
PyYAML-3.10/tests/data/spec-09-19.canonical
PyYAML-3.10/tests/data/construct-python-long-short-py3.code
PyYAML-3.10/tests/data/int.data
PyYAML-3.10/tests/data/spec-10-10.canonical
PyYAML-3.10/tests/data/spec-08-09.data
PyYAML-3.10/tests/data/empty-tag-prefix.emitter-error
PyYAML-3.10/tests/data/spec-08-03.canonical
PyYAML-3.10/tests/data/no-tag.emitter-error
PyYAML-3.10/tests/data/empty-python-module.loader-error
PyYAML-3.10/tests/data/spec-09-11.canonical
PyYAML-3.10/tests/data/spec-05-11.data
PyYAML-3.10/tests/data/spec-02-16.structure
PyYAML-3.10/tests/data/construct-python-bool.data
PyYAML-3.10/tests/data/duplicate-mapping-key.former-loader-error.data
PyYAML-3.10/tests/data/spec-09-05.data
PyYAML-3.10/tests/data/construct-python-unicode-utf8-py3.data
PyYAML-3.10/tests/data/construct-python-name-module.data
PyYAML-3.10/tests/data/fetch-complex-value-bug.loader-error
PyYAML-3.10/tests/data/invalid-tag-1.loader-error
PyYAML-3.10/tests/data/construct-int.data
PyYAML-3.10/tests/data/spec-09-04.data
PyYAML-3.10/tests/data/spec-09-19.data
PyYAML-3.10/tests/data/spec-07-07b.canonical
PyYAML-3.10/tests/data/invalid-utf8-byte.loader-error
PyYAML-3.10/tests/data/spec-02-18.tokens
PyYAML-3.10/tests/data/spec-07-12a.canonical
PyYAML-3.10/tests/data/spec-08-10.canonical
PyYAML-3.10/tests/data/construct-python-unicode-utf8-py2.code
PyYAML-3.10/tests/data/scan-line-break-bug.data
PyYAML-3.10/tests/data/spec-07-07a.data
PyYAML-3.10/tests/data/spec-02-06.structure

PyYAML-3.10/tests/data/spec-02-12.data
PyYAML-3.10/tests/data/spec-05-10.error
PyYAML-3.10/tests/data/tags.events
PyYAML-3.10/tests/data/spec-02-12.tokens
PyYAML-3.10/tests/data/spec-10-15.canonical
PyYAML-3.10/tests/data/no-block-mapping-end.loader-error
PyYAML-3.10/tests/data/timestamp-bugs.data
PyYAML-3.10/tests/data/latin.unicode
PyYAML-3.10/tests/data/construct-map.data
PyYAML-3.10/tests/data/construct-binary-py3.code
PyYAML-3.10/tests/data/null.detect
PyYAML-3.10/tests/data/invalid-escape-numbers.loader-error
PyYAML-3.10/tests/data/spec-05-02-utf16be.error
PyYAML-3.10/tests/data/spec-09-17.canonical
PyYAML-3.10/tests/data/spec-08-05.data
PyYAML-3.10/tests/data/more-floats.code
PyYAML-3.10/tests/data/empty-tag.emitter-error
PyYAML-3.10/tests/data/undefined-tag-handle.loader-error
PyYAML-3.10/tests/data/spec-08-08.data
PyYAML-3.10/tests/data/spec-08-07.data
PyYAML-3.10/tests/data/invalid-tag-handle-2.loader-error
PyYAML-3.10/tests/data/spec-09-21.error
PyYAML-3.10/tests/data/spec-10-14.data
PyYAML-3.10/tests/data/spec-09-27.canonical
PyYAML-3.10/tests/data/expected-node-2.emitter-error
PyYAML-3.10/tests/data/str.data
PyYAML-3.10/tests/data/spec-07-04.canonical
PyYAML-3.10/tests/data/spec-09-11.data
PyYAML-3.10/tests/data/spec-02-20.tokens
PyYAML-3.10/tests/data/timestamp.data
PyYAML-3.10/tests/data/spec-09-17.data
PyYAML-3.10/tests/data/construct-omap.data
PyYAML-3.10/tests/data/spec-09-29.data
PyYAML-3.10/tests/data/expected-document-end.emitter-error
PyYAML-3.10/tests/data/spec-02-01.structure
PyYAML-3.10/tests/data/spec-02-13.data
PyYAML-3.10/tests/data/invalid-simple-key.loader-error
PyYAML-3.10/tests/data/spec-02-13.structure
PyYAML-3.10/tests/data/spec-08-10.data
PyYAML-3.10/tests/data/recursive-dict.recursive
PyYAML-3.10/tests/data/spec-05-01-utf16le.empty
PyYAML-3.10/tests/data/construct-python-tuple-list-dict.code
PyYAML-3.10/tests/data/spec-07-13.data
PyYAML-3.10/tests/data/spec-05-02-utf8.data
PyYAML-3.10/tests/data/expected-scalar.loader-error
PyYAML-3.10/tests/data/spec-05-06.data
PyYAML-3.10/tests/data/expected-node-1.emitter-error
PyYAML-3.10/tests/data/construct-null.code
PyYAML-3.10/tests/data/construct-str-utf8-py3.code
PyYAML-3.10/tests/data/spec-07-10.data
PyYAML-3.10/tests/data/construct-python-complex.data
PyYAML-3.10/tests/data/spec-02-28.structure
PyYAML-3.10/tests/data/forbidden-value.loader-error
PyYAML-3.10/tests/data/spec-02-03.data
PyYAML-3.10/tests/data/spec-09-28.canonical
PyYAML-3.10/tests/data/invalid-directive-name-1.loader-error
PyYAML-3.10/tests/data/spec-07-06.canonical
PyYAML-3.10/tests/data/spec-05-13.canonical
PyYAML-3.10/tests/data/invalid-python-module.loader-error
PyYAML-3.10/tests/data/spec-05-11.canonical
PyYAML-3.10/tests/data/spec-10-06.data
PyYAML-3.10/tests/data/expected-sequence.loader-error
PyYAML-3.10/tests/data/invalid-uri.loader-error
PyYAML-3.10/tests/data/spec-06-05.canonical
PyYAML-3.10/tests/data/spec-02-07.data
PyYAML-3.10/tests/data/construct-python-unicode-ascii-py2.code
PyYAML-3.10/tests/data/invalid-yaml-directive-version-3.loader-error
PyYAML-3.10/tests/data/spec-02-14.data
PyYAML-3.10/tests/data/construct-str-ascii.code
PyYAML-3.10/tests/data/spec-10-01.data
PyYAML-3.10/tests/data/construct-binary-py2.data
PyYAML-3.10/tests/data/invalid-python-bytes-py3.loader-error
PyYAML-3.10/tests/data/spec-10-04.data
PyYAML-3.10/tests/data/spec-08-06.error
PyYAML-3.10/tests/data/spec-09-10.data
PyYAML-3.10/tests/data/spec-10-14.canonical
PyYAML-3.10/tests/data/emitting-unacceptable-unicode-character-bug-py2.code
PyYAML-3.10/tests/data/spec-06-08.data
PyYAML-3.10/tests/data/odd-utf16.stream-error
PyYAML-3.10/tests/data/spec-10-13.canonical
PyYAML-3.10/tests/data/construct-set.code
PyYAML-3.10/tests/data/spec-09-32.canonical
PyYAML-3.10/tests/data/spec-02-20.structure
PyYAML-3.10/tests/data/spec-09-02.data
PyYAML-3.10/tests/data/spec-09-09.data
PyYAML-3.10/tests/data/value.data
PyYAML-3.10/tests/data/utf16le.data
PyYAML-3.10/tests/data/duplicate-key.former-loader-error.code
PyYAML-3.10/tests/data/no-flow-mapping-end.loader-error
PyYAML-3.10/tests/data/spec-02-07.structure
PyYAML-3.10/tests/data/duplicate-merge-key.former-loader-error.data
PyYAML-3.10/tests/data/spec-08-07.canonical
PyYAML-3.10/tests/data/spec-09-14.error
PyYAML-3.10/tests/data/spec-07-02.canonical
PyYAML-3.10/tests/data/single-dot-is-not-float-bug.data
PyYAML-3.10/tests/data/spec-02-28.tokens
PyYAML-3.10/tests/data/spec-09-32.data
PyYAML-3.10/tests/data/bool.detect
PyYAML-3.10/tests/data/spec-09-13.canonical
PyYAML-3.10/tests/data/spec-02-14.tokens
PyYAML-3.10/tests/data/spec-08-14.canonical
PyYAML-3.10/tests/data/spec-02-22.data

PyYAML-3.10/tests/data/spec-02-17.tokens
PyYAML-3.10/tests/data/construct-python-str-utf8-py2.data
PyYAML-3.10/tests/data/spec-02-04.structure
PyYAML-3.10/tests/data/str.detect
PyYAML-3.10/tests/data/spec-02-21.structure
PyYAML-3.10/tests/data/spec-09-22.data
PyYAML-3.10/tests/data/spec-05-05.empty
PyYAML-3.10/tests/data/spec-09-13.data
PyYAML-3.10/tests/data/no-node-1.loader-error
PyYAML-3.10/tests/data/spec-10-05.canonical
PyYAML-3.10/tests/data/construct-str-utf8-py3.data
PyYAML-3.10/tests/data/spec-09-23.canonical
PyYAML-3.10/tests/data/no-alias-anchor.emitter-error
PyYAML-3.10/tests/data/undefined-anchor.loader-error
PyYAML-3.10/tests/data/spec-09-28.data
PyYAML-3.10/tests/data/spec-08-01.canonical
PyYAML-3.10/tests/data/spec-08-02.data
PyYAML-3.10/tests/data/spec-06-06.data
PyYAML-3.10/tests/data/spec-08-13.canonical
PyYAML-3.10/tests/data/spec-06-03.data
PyYAML-3.10/tests/data/spec-08-15.data
PyYAML-3.10/tests/data/spec-08-05.canonical
PyYAML-3.10/tests/data/spec-07-12b.canonical
PyYAML-3.10/tests/data/spec-10-13.data
PyYAML-3.10/tests/data/spec-10-03.data
PyYAML-3.10/tests/data/invalid-uri-escapes-2.loader-error
PyYAML-3.10/tests/data/spec-02-18.structure
PyYAML-3.10/tests/data/construct-python-long-short-py3.data
PyYAML-3.10/tests/data/spec-09-30.canonical
PyYAML-3.10/tests/data/spec-09-05.canonical
PyYAML-3.10/tests/data/spec-07-10.canonical
PyYAML-3.10/tests/data/spec-02-25.data
PyYAML-3.10/tests/data/invalid-tag-handle-2.emitter-error
PyYAML-3.10/tests/data/document-separator-in-quoted-scalar.loader-error
PyYAML-3.10/tests/data/spec-02-23.structure
PyYAML-3.10/tests/data/utf16be.data
PyYAML-3.10/tests/data/invalid-yaml-directive-version-1.loader-error
PyYAML-3.10/tests/data/spec-07-09.data
PyYAML-3.10/tests/data/colon-in-flow-context.loader-error
PyYAML-3.10/tests/data/spec-09-16.canonical
PyYAML-3.10/tests/data/construct-python-tuple-list-dict.data
PyYAML-3.10/tests/data/construct-python-unicode-utf8-py2.data
PyYAML-3.10/tests/data/construct-map.code
PyYAML-3.10/tests/data/construct-python-bool.code
PyYAML-3.10/tests/data/no-document-start.loader-error
PyYAML-3.10/tests/data/test_mark.marks
PyYAML-3.10/tests/data/spec-07-07a.canonical
PyYAML-3.10/tests/data/scan-document-end-bug.data
PyYAML-3.10/tests/data/spec-05-02-utf16le.data
PyYAML-3.10/tests/data/construct-python-str-ascii.data
PyYAML-3.10/tests/data/spec-09-12.data
PyYAML-3.10/tests/data/spec-02-02.data
PyYAML-3.10/tests/data/spec-08-11.data
PyYAML-3.10/tests/data/spec-10-04.canonical
PyYAML-3.10/tests/data/spec-05-01-utf8.empty
PyYAML-3.10/tests/data/spec-02-16.tokens
PyYAML-3.10/tests/data/no-alias-anchor.skip-ext
PyYAML-3.10/tests/data/empty-document-bug.canonical
PyYAML-3.10/tests/data/unsupported-version.emitter-error
PyYAML-3.10/tests/data/spec-10-12.canonical
PyYAML-3.10/tests/data/spec-05-12.error
PyYAML-3.10/tests/data/spec-02-19.data
PyYAML-3.10/tests/data/yaml.data
PyYAML-3.10/tests/data/duplicate-mapping-key.former-loader-error.code
PyYAML-3.10/tests/data/construct-python-bytes-py3.code
PyYAML-3.10/tests/data/invalid-directive-line.loader-error
PyYAML-3.10/tests/data/spec-09-20.data
PyYAML-3.10/tests/data/spec-02-26.data
PyYAML-3.10/tests/data/spec-02-14.structure
PyYAML-3.10/tests/data/spec-07-08.data
PyYAML-3.10/tests/data/duplicate-anchor-2.loader-error
PyYAML-3.10/tests/data/construct-float.code
PyYAML-3.10/tests/data/invalid-merge-2.loader-error
PyYAML-3.10/tests/data/spec-05-02-utf16be.data
PyYAML-3.10/tests/data/spec-02-19.structure
PyYAML-3.10/tests/data/invalid-character.stream-error
PyYAML-3.10/tests/data/spec-08-12.canonical
PyYAML-3.10/tests/data/spec-09-08.data
PyYAML-3.10/tests/data/recursive-state.recursive
PyYAML-3.10/tests/data/construct-str.data
PyYAML-3.10/tests/data/spec-05-08.data
PyYAML-3.10/tests/data/construct-value.code
PyYAML-3.10/tests/data/spec-06-02.data
PyYAML-3.10/tests/data/construct-pairs.data
PyYAML-3.10/tests/data/serializer-is-closed-1.dumper-error
PyYAML-3.10/tests/data/spec-02-27.data
PyYAML-3.10/tests/data/construct-python-str-utf8-py2.code
PyYAML-3.10/tests/data/spec-10-15.data
PyYAML-3.10/tests/data/serializer-is-not-opened-2.dumper-error
PyYAML-3.10/tests/data/construct-bool.code
PyYAML-3.10/tests/data/spec-07-02.data
PyYAML-3.10/tests/data/spec-02-21.data
PyYAML-3.10/tests/data/spec-02-15.data
PyYAML-3.10/tests/data/spec-02-03.tokens
PyYAML-3.10/tests/data/spec-09-07.canonical
PyYAML-3.10/tests/data/spec-10-09.canonical
PyYAML-3.10/tests/data/explicit-document.single-loader-error
PyYAML-3.10/tests/data/spec-09-26.canonical
PyYAML-3.10/tests/data/invalid-escape-character.loader-error
PyYAML-3.10/tests/data/invalid-uri-escapes-1.loader-error
PyYAML-3.10/tests/data/spec-09-27.data
PyYAML-3.10/tests/data/empty-document-bug.data

PyYAML-3.10/tests/data/invalid-base64-data.loader-error
PyYAML-3.10/tests/data/spec-07-06.data
PyYAML-3.10/tests/data/spec-02-08.tokens
PyYAML-3.10/tests/data/spec-09-22.canonical
PyYAML-3.10/tests/data/spec-06-01.canonical
PyYAML-3.10/tests/data/emitting-unacceptable-unicode-character-bug-py3.code
PyYAML-3.10/tests/data/emitting-unacceptable-unicode-character-bug-py3.data
PyYAML-3.10/tests/data/invalid-tag-2.loader-error
PyYAML-3.10/tests/data/emit-block-scalar-in-simple-key-context-bug.data
PyYAML-3.10/tests/data/construct-python-none.code
PyYAML-3.10/tests/data/construct-omap.code
PyYAML-3.10/tests/data/spec-09-15.canonical
PyYAML-3.10/tests/data/spec-09-03.canonical
PyYAML-3.10/tests/data/construct-set.data
PyYAML-3.10/tests/data/float-representer-2.3-bug.data
PyYAML-3.10/tests/data/spec-07-05.data
PyYAML-3.10/tests/data/construct-python-str-utf8-py3.data
PyYAML-3.10/tests/data/empty-document-bug.empty
PyYAML-3.10/tests/data/invalid-character.loader-error
PyYAML-3.10/tests/data/forbidden-entry.loader-error
PyYAML-3.10/tests/data/invalid-python-name-module.loader-error
PyYAML-3.10/tests/data/spec-09-30.data
PyYAML-3.10/tests/data/construct-str-utf8-py2.data
PyYAML-3.10/tests/data/no-flow-sequence-end.loader-error
PyYAML-3.10/tests/data/construct-python-object.code
PyYAML-3.10/tests/data/recursive-tuple.recursive
PyYAML-3.10/tests/data/merge.data
PyYAML-3.10/tests/data/expected-document-start.emitter-error
PyYAML-3.10/tests/data/emitting-unacceptable-unicode-character-bug-py3.skip-ext
PyYAML-3.10/tests/data/construct-python-object.data
PyYAML-3.10/tests/data/spec-10-07.data
PyYAML-3.10/tests/data/construct-str-utf8-py2.code
PyYAML-3.10/tests/data/spec-05-14.canonical
PyYAML-3.10/tests/data/spec-10-05.data
PyYAML-3.10/tests/data/expected-stream-start.emitter-error
PyYAML-3.10/tests/data/invalid-omap-1.loader-error
PyYAML-3.10/tests/data/spec-09-02.canonical
PyYAML-3.10/tests/data/scalars.events
PyYAML-3.10/tests/data/invalid-anchor.emitter-error
PyYAML-3.10/tests/data/run-parser-crash-bug.data
PyYAML-3.10/tests/data/serializer-is-closed-2.dumper-error
PyYAML-3.10/tests/data/invalid-omap-3.loader-error
PyYAML-3.10/tests/data/construct-float.data
PyYAML-3.10/tests/data/remove-possible-simple-key-bug.loader-error
PyYAML-3.10/tests/data/spec-09-09.canonical
PyYAML-3.10/tests/data/spec-02-07.tokens
PyYAML-3.10/tests/data/no-block-collection-end.loader-error
PyYAML-3.10/tests/data/spec-06-06.canonical
PyYAML-3.10/tests/data/spec-02-06.data
PyYAML-3.10/tests/data/spec-08-15.canonical
PyYAML-3.10/tests/data/invalid-yaml-directive-version-4.loader-error
PyYAML-3.10/tests/data/duplicate-merge-key.former-loader-error.code
PyYAML-3.10/tests/data/invalid-tag-handle-1.loader-error
PyYAML-3.10/tests/data/invalid-base64-data-2.loader-error
PyYAML-3.10/tests/data/construct-pairs.code
PyYAML-3.10/tests/data/spec-05-01-utf16be.empty
PyYAML-3.10/tests/data/spec-10-12.data
PyYAML-3.10/tests/data/timestamp.detect
PyYAML-3.10/tests/data/spec-05-01-utf16le.data
PyYAML-3.10/tests/data/spec-06-01.data
PyYAML-3.10/tests/data/spec-07-08.canonical
PyYAML-3.10/tests/data/construct-seq.data
PyYAML-3.10/tests/data/spec-02-26.structure
PyYAML-3.10/tests/data/spec-02-21.tokens
PyYAML-3.10/tests/data/unclosed-quoted-scalar.loader-error
PyYAML-3.10/tests/data/spec-09-20.skip-ext
PyYAML-3.10/tests/data/invalid-merge-1.loader-error
PyYAML-3.10/tests/data/spec-05-02-utf8.error
PyYAML-3.10/tests/data/spec-05-09.canonical
PyYAML-3.10/tests/data/scan-document-end-bug.canonical
PyYAML-3.10/tests/data/invalid-block-scalar-indicator.loader-error
PyYAML-3.10/tests/data/spec-02-17.data
PyYAML-3.10/tests/data/recursive-set.recursive
PyYAML-3.10/tests/data/duplicate-anchor-1.loader-error
PyYAML-3.10/tests/data/construct-null.data
PyYAML-3.10/tests/data/construct-python-long-short-py2.code
PyYAML-3.10/tests/data/recursive-anchor.former-loader-error
PyYAML-3.10/tests/data/invalid-single-quote-bug.data
PyYAML-3.10/tests/data/spec-02-18.data
PyYAML-3.10/tests/data/spec-02-24.structure
PyYAML-3.10/tests/data/spec-02-01.data
PyYAML-3.10/tests/data/spec-07-05.error
PyYAML-3.10/tests/data/spec-02-20.data
PyYAML-3.10/tests/data/spec-07-11.empty
PyYAML-3.10/tests/data/duplicate-value-key.former-loader-error.data
PyYAML-3.10/tests/data/spec-09-18.canonical
PyYAML-3.10/tests/data/spec-09-07.data
PyYAML-3.10/tests/data/spec-10-08.data
PyYAML-3.10/tests/data/construct-binary-py2.code
PyYAML-3.10/tests/data/spec-02-06.tokens
PyYAML-3.10/tests/data/spec-05-15.data
PyYAML-3.10/tests/data/spec-09-12.canonical
PyYAML-3.10/tests/data/spec-06-08.canonical
PyYAML-3.10/tests/data/spec-02-04.data
PyYAML-3.10/tests/data/expected-nothing.emitter-error
PyYAML-3.10/tests/data/spec-07-12a.data
PyYAML-3.10/tests/data/unknown.dumper-error
PyYAML-3.10/tests/data/unclosed-bracket.loader-error
PyYAML-3.10/tests/data/spec-09-15.data
PyYAML-3.10/tests/data/invalid-tag-directive-prefix.loader-error
PyYAML-3.10/tests/data/empty-documents.single-loader-error
PyYAML-3.10/tests/data/spec-07-02.skip-ext
PyYAML-3.10/tests/data/construct-python-unicode-py2.data

PyYAML-3.10/tests/data/construct-python-unicode-ascii-py2.data
PyYAML-3.10/tests/data/invalid-python-name-value.loader-error
PyYAML-3.10/tests/data/spec-08-11.canonical
PyYAML-3.10/tests/data/invalid-anchor-2.loader-error
PyYAML-3.10/tests/data/spec-02-05.data
PyYAML-3.10/tests/data/spec-02-24.data
PyYAML-3.10/tests/data/invalid-directive-name-2.loader-error
PyYAML-3.10/tests/data/float-representer-2.3-bug.code
PyYAML-3.10/tests/data/invalid-indentation-indicator-1.loader-error
PyYAML-3.10/tests/data/empty-tag-handle.emitter-error
PyYAML-3.10/tests/data/float.data
PyYAML-3.10/tests/data/construct-python-bytes-py3.data
PyYAML-3.10/tests/data/construct-str-ascii.data
PyYAML-3.10/tests/data/spec-10-02.canonical
PyYAML-3.10/tests/data/sloppy-indentation.data
PyYAML-3.10/tests/data/unacceptable-key.loader-error
PyYAML-3.10/tests/data/spec-09-18.data
PyYAML-3.10/tests/data/mappings.events
PyYAML-3.10/tests/data/undefined-constructor.loader-error
PyYAML-3.10/tests/data/construct-str.code
PyYAML-3.10/tests/data/invalid-indentation-indicator-2.loader-error
PyYAML-3.10/tests/data/spec-09-21.data
PyYAML-3.10/tests/data/more-floats.data
PyYAML-3.10/tests/data/construct-python-unicode-utf8-py3.code
PyYAML-3.10/tests/data/negative-float-bug.data
PyYAML-3.10/tests/data/documents.events
PyYAML-3.10/tests/lib/
PyYAML-3.10/tests/lib/test_errors.py
PyYAML-3.10/tests/lib/test_input_output.py
PyYAML-3.10/tests/lib/test_recursive.py
PyYAML-3.10/tests/lib/canonical.py
PyYAML-3.10/tests/lib/test_yaml.py
PyYAML-3.10/tests/lib/test_yaml_ext.py
PyYAML-3.10/tests/lib/test_constructor.py
PyYAML-3.10/tests/lib/test_resolver.py
PyYAML-3.10/tests/lib/test_representer.py
PyYAML-3.10/tests/lib/test_build.py
PyYAML-3.10/tests/lib/test_build_ext.py
PyYAML-3.10/tests/lib/test_all.py
PyYAML-3.10/tests/lib/test_reader.py
PyYAML-3.10/tests/lib/test_mark.py
PyYAML-3.10/tests/lib/test_emitter.py
PyYAML-3.10/tests/lib/test_structure.py
PyYAML-3.10/tests/lib/test_tokens.py
PyYAML-3.10/tests/lib/test_appliance.py
PyYAML-3.10/tests/lib/test_canonical.py
PyYAML-3.10/tests/lib3/
PyYAML-3.10/tests/lib3/test_errors.py
PyYAML-3.10/tests/lib3/test_input_output.py
PyYAML-3.10/tests/lib3/test_recursive.py
PyYAML-3.10/tests/lib3/canonical.py
PyYAML-3.10/tests/lib3/test_yaml.py
PyYAML-3.10/tests/lib3/test_yaml_ext.py
PyYAML-3.10/tests/lib3/test_constructor.py
PyYAML-3.10/tests/lib3/test_resolver.py
PyYAML-3.10/tests/lib3/test_representer.py
PyYAML-3.10/tests/lib3/test_build.py
PyYAML-3.10/tests/lib3/test_build_ext.py
PyYAML-3.10/tests/lib3/test_all.py
PyYAML-3.10/tests/lib3/test_reader.py
PyYAML-3.10/tests/lib3/test_mark.py
PyYAML-3.10/tests/lib3/test_emitter.py
PyYAML-3.10/tests/lib3/test_structure.py
PyYAML-3.10/tests/lib3/test_tokens.py
PyYAML-3.10/tests/lib3/test_appliance.py
PyYAML-3.10/tests/lib3/test_canonical.py
PyYAML-3.10/setup.py
PyYAML-3.10/LICENSE
PyYAML-3.10/README
PyYAML-3.10/lib/
PyYAML-3.10/lib/yaml/
PyYAML-3.10/lib/yaml/emitter.py
PyYAML-3.10/lib/yaml/scanner.py
PyYAML-3.10/lib/yaml/representer.py
PyYAML-3.10/lib/yaml/parser.py
PyYAML-3.10/lib/yaml/nodes.py
PyYAML-3.10/lib/yaml/tokens.py
PyYAML-3.10/lib/yaml/cyaml.py
PyYAML-3.10/lib/yaml/loader.py
PyYAML-3.10/lib/yaml/resolver.py
PyYAML-3.10/lib/yaml/events.py
PyYAML-3.10/lib/yaml/constructor.py
PyYAML-3.10/lib/yaml/error.py
PyYAML-3.10/lib/yaml/dumper.py
PyYAML-3.10/lib/yaml/composer.py
PyYAML-3.10/lib/yaml/reader.py
PyYAML-3.10/lib/yaml/serializer.py
PyYAML-3.10/lib/yaml/__init__.py
PyYAML-3.10/PKG-INFO
PyYAML-3.10/examples/
PyYAML-3.10/examples/yaml-highlight/
PyYAML-3.10/examples/yaml-highlight/yaml_hl.py
PyYAML-3.10/examples/yaml-highlight/yaml_hl.cfg
PyYAML-3.10/examples/pygments-lexer/
PyYAML-3.10/examples/pygments-lexer/example.yaml
PyYAML-3.10/examples/pygments-lexer/yaml.py
PyYAML-3.10/setup.cfg
PyYAML-3.10/CHANGES
PyYAML-3.10/lib3/
PyYAML-3.10/lib3/yaml/
PyYAML-3.10/lib3/yaml/emitter.py
PyYAML-3.10/lib3/yaml/scanner.py
PyYAML-3.10/lib3/yaml/representer.py

```
PyYAML-3.10/lib/yaml/representer.py
PyYAML-3.10/lib/yaml/parser.py
PyYAML-3.10/lib/yaml/nodes.py
PyYAML-3.10/lib/yaml/tokens.py
PyYAML-3.10/lib/yaml/cyaml.py
PyYAML-3.10/lib/yaml/loader.py
PyYAML-3.10/lib/yaml/resolver.py
PyYAML-3.10/lib/yaml/events.py
PyYAML-3.10/lib/yaml/constructor.py
PyYAML-3.10/lib/yaml/error.py
PyYAML-3.10/lib/yaml/dumper.py
PyYAML-3.10/lib/yaml/composer.py
PyYAML-3.10/lib/yaml/reader.py
PyYAML-3.10/lib/yaml/serializer.py
PyYAML-3.10/lib/yaml/__init__.py
```

配置python

python setup.py install

```
[root@etl PyYAML-3.10]# python setup.py install
running install
running build
running build_py
creating build
creating build/lib.linux-x86_64-2.6
creating build/lib.linux-x86_64-2.6/yaml
copying lib/yaml/tokens.py -> build/lib.linux-x86_64-2.6/yaml
copying lib/yaml/events.py -> build/lib.linux-x86_64-2.6/yaml
copying lib/yaml/loader.py -> build/lib.linux-x86_64-2.6/yaml
copying lib/yaml/composer.py -> build/lib.linux-x86_64-2.6/yaml
copying lib/yaml/nodes.py -> build/lib.linux-x86_64-2.6/yaml
copying lib/yaml/serializer.py -> build/lib.linux-x86_64-2.6/yaml
copying lib/yaml/constructor.py -> build/lib.linux-x86_64-2.6/yaml
copying lib/yaml/cyaml.py -> build/lib.linux-x86_64-2.6/yaml
copying lib/yaml/error.py -> build/lib.linux-x86_64-2.6/yaml
copying lib/yaml/scanner.py -> build/lib.linux-x86_64-2.6/yaml
copying lib/yaml/representer.py -> build/lib.linux-x86_64-2.6/yaml
copying lib/yaml/reader.py -> build/lib.linux-x86_64-2.6/yaml
copying lib/yaml/resolver.py -> build/lib.linux-x86_64-2.6/yaml
copying lib/yaml/dumper.py -> build/lib.linux-x86_64-2.6/yaml
copying lib/yaml/emitter.py -> build/lib.linux-x86_64-2.6/yaml
copying lib/yaml/__init__.py -> build/lib.linux-x86_64-2.6/yaml
copying lib/yaml/parser.py -> build/lib.linux-x86_64-2.6/yaml
running build_ext
creating build/temp.linux-x86_64-2.6
checking if libyaml is compilable
gcc -pthread -fno-strict-aliasing -O2 -g -pipe -Wall -Wp,-D_FORTIFY_SOURCE=2 -fexceptions
-fstack-protector --param=ssp-buffer-size=4 -m64 -mtune=generic -D_GNU_SOURCE -fPIC -fwr
apv -DDEBUG -O2 -g -pipe -Wall -Wp,-D_FORTIFY_SOURCE=2 -fexceptions -fstack-protecto
r --param=ssp-buffer-size=4 -m64 -mtune=generic -D_GNU_SOURCE -fPIC -fwrapv -fPIC -lusr/
include/python2.6 -c build/temp.linux-x86_64-2.6/check_libyaml.c -o build/temp.linux-x86_64-2.
6/check_libyaml.o
unable to execute gcc: No such file or directory

libyaml is not found or a compiler error: forcing --without-libyaml
(if libyaml is installed correctly, you may need to
specify the option --include-dirs or uncomment and
modify the parameter include_dirs in setup.cfg)
running install_lib
creating /usr/lib64/python2.6/site-packages/yaml
copying build/lib.linux-x86_64-2.6/yaml/tokens.py -> /usr/lib64/python2.6/site-packages/yaml
copying build/lib.linux-x86_64-2.6/yaml/events.py -> /usr/lib64/python2.6/site-packages/yaml
copying build/lib.linux-x86_64-2.6/yaml/loader.py -> /usr/lib64/python2.6/site-packages/yaml
copying build/lib.linux-x86_64-2.6/yaml/composer.py -> /usr/lib64/python2.6/site-packages/yaml
copying build/lib.linux-x86_64-2.6/yaml/nodes.py -> /usr/lib64/python2.6/site-packages/yaml
copying build/lib.linux-x86_64-2.6/yaml/serializer.py -> /usr/lib64/python2.6/site-packages/yaml
copying build/lib.linux-x86_64-2.6/yaml/constructor.py -> /usr/lib64/python2.6/site-packages/y
aml
copying build/lib.linux-x86_64-2.6/yaml/cyaml.py -> /usr/lib64/python2.6/site-packages/yaml
copying build/lib.linux-x86_64-2.6/yaml/error.py -> /usr/lib64/python2.6/site-packages/yaml
copying build/lib.linux-x86_64-2.6/yaml/scanner.py -> /usr/lib64/python2.6/site-packages/yaml
copying build/lib.linux-x86_64-2.6/yaml/representer.py -> /usr/lib64/python2.6/site-packages/y
aml
copying build/lib.linux-x86_64-2.6/yaml/reader.py -> /usr/lib64/python2.6/site-packages/yaml
copying build/lib.linux-x86_64-2.6/yaml/resolver.py -> /usr/lib64/python2.6/site-packages/yaml
copying build/lib.linux-x86_64-2.6/yaml/dumper.py -> /usr/lib64/python2.6/site-packages/yaml
copying build/lib.linux-x86_64-2.6/yaml/emitter.py -> /usr/lib64/python2.6/site-packages/yaml
copying build/lib.linux-x86_64-2.6/yaml/__init__.py -> /usr/lib64/python2.6/site-packages/yaml
copying build/lib.linux-x86_64-2.6/yaml/parser.py -> /usr/lib64/python2.6/site-packages/yaml
byte-compiling /usr/lib64/python2.6/site-packages/yaml/tokens.py to tokens.pyc
byte-compiling /usr/lib64/python2.6/site-packages/yaml/events.py to events.pyc
byte-compiling /usr/lib64/python2.6/site-packages/yaml/loader.py to loader.pyc
byte-compiling /usr/lib64/python2.6/site-packages/yaml/composer.py to composer.pyc
byte-compiling /usr/lib64/python2.6/site-packages/yaml/nodes.py to nodes.pyc
byte-compiling /usr/lib64/python2.6/site-packages/yaml/serializer.py to serializer.pyc
byte-compiling /usr/lib64/python2.6/site-packages/yaml/constructor.py to constructor.pyc
byte-compiling /usr/lib64/python2.6/site-packages/yaml/cyaml.py to cyaml.pyc
byte-compiling /usr/lib64/python2.6/site-packages/yaml/error.py to error.pyc
byte-compiling /usr/lib64/python2.6/site-packages/yaml/scanner.py to scanner.pyc
byte-compiling /usr/lib64/python2.6/site-packages/yaml/representer.py to representer.pyc
byte-compiling /usr/lib64/python2.6/site-packages/yaml/reader.py to reader.pyc
byte-compiling /usr/lib64/python2.6/site-packages/yaml/resolver.py to resolver.pyc
byte-compiling /usr/lib64/python2.6/site-packages/yaml/dumper.py to dumper.pyc
byte-compiling /usr/lib64/python2.6/site-packages/yaml/emitter.py to emitter.pyc
byte-compiling /usr/lib64/python2.6/site-packages/yaml/__init__.py to __init__.pyc
byte-compiling /usr/lib64/python2.6/site-packages/yaml/parser.py to parser.pyc
running install_egg_info
Writing /usr/lib64/python2.6/site-packages/PyYAML-3.10-py2.6.egg-info
[root@etl PyYAML-3.10]#
```


解压yaml软件

`tar -zxvf yaml-0.1.4.tar.gz`

```
[root@etl opt]# tar -zxvf yaml-0.1.4.tar.gz
yaml-0.1.4/
yaml-0.1.4/tests/
yaml-0.1.4/tests/example-reformatter-alt.c
yaml-0.1.4/tests/example-deconstructor.c
yaml-0.1.4/tests/test-reader.c
yaml-0.1.4/tests/Makefile.am
yaml-0.1.4/tests/test-version.c
yaml-0.1.4/tests/run-dumper.c
yaml-0.1.4/tests/run-emitter.c
yaml-0.1.4/tests/run-parser.c
yaml-0.1.4/tests/run-scanner.c
yaml-0.1.4/tests/run-loader.c
yaml-0.1.4/tests/Makefile.in
yaml-0.1.4/tests/example-reformatter.c
yaml-0.1.4/tests/example-deconstructor-alt.c
yaml-0.1.4/config.h.in
yaml-0.1.4/aclocal.m4
yaml-0.1.4/Makefile.am
yaml-0.1.4/configure
yaml-0.1.4/yaml-0.1.pc.in
yaml-0.1.4/LICENSE
yaml-0.1.4/README
yaml-0.1.4/include/
yaml-0.1.4/include/Makefile.am
yaml-0.1.4/include/yaml.h
yaml-0.1.4/include/Makefile.in
yaml-0.1.4/Makefile.in
yaml-0.1.4/configure.ac
yaml-0.1.4/config/
yaml-0.1.4/config/ltmain.sh
yaml-0.1.4/config/config.sub
yaml-0.1.4/config/missing
yaml-0.1.4/config/config.guess
yaml-0.1.4/config/install-sh
yaml-0.1.4/config/depcomp
yaml-0.1.4/doc/
yaml-0.1.4/doc/doxygen.cfg
yaml-0.1.4/doc/html/
yaml-0.1.4/doc/html/functions_vars_0x6c.html
yaml-0.1.4/doc/html/functions_vars_0x74.html
yaml-0.1.4/doc/html/doxygen.css
yaml-0.1.4/doc/html/functions_0x69.html
yaml-0.1.4/doc/html/functions_vars_0x6f.html
yaml-0.1.4/doc/html/structyaml__event__s.html
yaml-0.1.4/doc/html/files.html
yaml-0.1.4/doc/html/tab_h.png
yaml-0.1.4/doc/html/functions_0x74.html
yaml-0.1.4/doc/html/functions_0x72.html
yaml-0.1.4/doc/html/group__tokens.html
yaml-0.1.4/doc/html/functions_vars_0x64.html
yaml-0.1.4/doc/html/functions_vars.html
yaml-0.1.4/doc/html/group__emitter.html
yaml-0.1.4/doc/html/bc_s.png
yaml-0.1.4/doc/html/functions_0x77.html
yaml-0.1.4/doc/html/functions_0x6b.html
yaml-0.1.4/doc/html/structyaml__parser__s.html
yaml-0.1.4/doc/html/functions_0x62.html
yaml-0.1.4/doc/html/functions_vars_0x76.html
yaml-0.1.4/doc/html/functions_0x66.html
yaml-0.1.4/doc/html/functions_vars_0x72.html
yaml-0.1.4/doc/html/index.html
yaml-0.1.4/doc/html/functions_0x63.html
yaml-0.1.4/doc/html/structyaml__mark__s.html
yaml-0.1.4/doc/html/structyaml__alias__data__s.html
yaml-0.1.4/doc/html/closed.png
yaml-0.1.4/doc/html/group__version.html
yaml-0.1.4/doc/html/functions_vars_0x75.html
yaml-0.1.4/doc/html/annotated.html
yaml-0.1.4/doc/html/functions_0x64.html
yaml-0.1.4/doc/html/structyaml__document__s.html
yaml-0.1.4/doc/html/modules.html
yaml-0.1.4/doc/html/functions_0x65.html
yaml-0.1.4/doc/html/functions_vars_0x6d.html
yaml-0.1.4/doc/html/functions_0x6d.html
yaml-0.1.4/doc/html/tabs.css
yaml-0.1.4/doc/html/globals_enum.html
yaml-0.1.4/doc/html/functions_0x71.html
yaml-0.1.4/doc/html/functions_vars_0x63.html
yaml-0.1.4/doc/html/structyaml__tag__directive__s.html
yaml-0.1.4/doc/html/classes.html
yaml-0.1.4/doc/html/functions.html
yaml-0.1.4/doc/html/functions_vars_0x77.html
yaml-0.1.4/doc/html/functions_0x68.html
yaml-0.1.4/doc/html/functions_vars_0x6b.html
yaml-0.1.4/doc/html/functions_vars_0x71.html
yaml-0.1.4/doc/html/doxygen.png
yaml-0.1.4/doc/html/open.png
yaml-0.1.4/doc/html/functions_0x70.html
yaml-0.1.4/doc/html/yaml_8h.html
yaml-0.1.4/doc/html/structyaml__node__s.html
yaml-0.1.4/doc/html/functions_0x75.html
yaml-0.1.4/doc/html/functions_vars_0x68.html
yaml-0.1.4/doc/html/tab_a.png
```

```

yaml-0.1.4/doc/html/functions_0x73.html
yaml-0.1.4/doc/html/nav_f.png
yaml-0.1.4/doc/html/functions_vars_0x73.html
yaml-0.1.4/doc/html/tab_s.png
yaml-0.1.4/doc/html/globals_eval.html
yaml-0.1.4/doc/html/functions_vars_0x69.html
yaml-0.1.4/doc/html/structyaml__token__s.html
yaml-0.1.4/doc/html/functions_vars_0x65.html
yaml-0.1.4/doc/html/functions_vars_0x62.html
yaml-0.1.4/doc/html/group__nodes.html
yaml-0.1.4/doc/html/structyaml__emitter__s.html
yaml-0.1.4/doc/html/group__export.html
yaml-0.1.4/doc/html/functions_0x6e.html
yaml-0.1.4/doc/html/group__parser.html
yaml-0.1.4/doc/html/globals_type.html
yaml-0.1.4/doc/html/functions_0x6f.html
yaml-0.1.4/doc/html/functions_0x76.html
yaml-0.1.4/doc/html/globals_defs.html
yaml-0.1.4/doc/html/globals.html
yaml-0.1.4/doc/html/structyaml__node__pair__s.html
yaml-0.1.4/doc/html/functions_vars_0x6e.html
yaml-0.1.4/doc/html/group__events.html
yaml-0.1.4/doc/html/functions_vars_0x66.html
yaml-0.1.4/doc/html/functions_0x6c.html
yaml-0.1.4/doc/html/globals_func.html
yaml-0.1.4/doc/html/tab_b.png
yaml-0.1.4/doc/html/nav_h.png
yaml-0.1.4/doc/html/functions_vars_0x70.html
yaml-0.1.4/doc/html/group__basic.html
yaml-0.1.4/doc/html/structyaml__simple__key__s.html
yaml-0.1.4/doc/html/group__styles.html
yaml-0.1.4/doc/html/structyaml__version__directive__s.html
yaml-0.1.4/src/
yaml-0.1.4/src/parser.c
yaml-0.1.4/src/reader.c
yaml-0.1.4/src/Makefile.am
yaml-0.1.4/src/emitter.c
yaml-0.1.4/src/writer.c
yaml-0.1.4/src/api.c
yaml-0.1.4/src/dumper.c
yaml-0.1.4/src/Makefile.in
yaml-0.1.4/src/yaml_private.h
yaml-0.1.4/src/scanner.c
yaml-0.1.4/src/loader.c
yaml-0.1.4/win32/
yaml-0.1.4/win32/Makefile.am
yaml-0.1.4/win32/vs2003/
yaml-0.1.4/win32/vs2003/example_deconstructor_alt.vcproj
yaml-0.1.4/win32/vs2003/run_scanner.vcproj
yaml-0.1.4/win32/vs2003/example_reformatter_alt.vcproj
yaml-0.1.4/win32/vs2003/test_reader.vcproj
yaml-0.1.4/win32/vs2003/example_deconstructor.vcproj
yaml-0.1.4/win32/vs2003/run_dumper.vcproj
yaml-0.1.4/win32/vs2003/libyaml.sln
yaml-0.1.4/win32/vs2003/run_parser.vcproj
yaml-0.1.4/win32/vs2003/yaml.vcproj
yaml-0.1.4/win32/vs2003/test_version.vcproj
yaml-0.1.4/win32/vs2003/run_emitter.vcproj
yaml-0.1.4/win32/vs2003/example_reformatter.vcproj
yaml-0.1.4/win32/vs2003/run_loader.vcproj
yaml-0.1.4/win32/vs2003/yamdll.vcproj
yaml-0.1.4/win32/vc6/
yaml-0.1.4/win32/vc6/run_emitter.dsp
yaml-0.1.4/win32/vc6/run_dumper.dsp
yaml-0.1.4/win32/vc6/example_deconstructor_alt.dsp
yaml-0.1.4/win32/vc6/yaml.dsp
yaml-0.1.4/win32/vc6/run_parser.dsp
yaml-0.1.4/win32/vc6/example_deconstructor.dsp
yaml-0.1.4/win32/vc6/example_reformatter_alt.dsp
yaml-0.1.4/win32/vc6/run_scanner.dsp
yaml-0.1.4/win32/vc6/run_loader.dsp
yaml-0.1.4/win32/vc6/test_reader.dsp
yaml-0.1.4/win32/vc6/libyaml.dsw
yaml-0.1.4/win32/vc6/example_reformatter.dsp
yaml-0.1.4/win32/vc6/yamdll.dsp
yaml-0.1.4/win32/vc6/test_version.dsp
yaml-0.1.4/win32/Makefile.in
yaml-0.1.4/win32/vs2008/
yaml-0.1.4/win32/vs2008/example_deconstructor_alt.vcproj
yaml-0.1.4/win32/vs2008/run_scanner.vcproj
yaml-0.1.4/win32/vs2008/example_reformatter_alt.vcproj
yaml-0.1.4/win32/vs2008/test_reader.vcproj
yaml-0.1.4/win32/vs2008/example_deconstructor.vcproj
yaml-0.1.4/win32/vs2008/run_dumper.vcproj
yaml-0.1.4/win32/vs2008/libyaml.sln
yaml-0.1.4/win32/vs2008/run_parser.vcproj
yaml-0.1.4/win32/vs2008/yaml.vcproj
yaml-0.1.4/win32/vs2008/test_version.vcproj
yaml-0.1.4/win32/vs2008/run_emitter.vcproj
yaml-0.1.4/win32/vs2008/example_reformatter.vcproj
yaml-0.1.4/win32/vs2008/run_loader.vcproj
yaml-0.1.4/win32/vs2008/yamdll.vcproj
yaml-0.1.4/win32/config.h
[root@etl opt]#

```

检查编译环境并生成makefile

[./configure](#)

```

[root@etl yaml-0.1.4]# ./configure
checking for a BSD-compatible install... /usr/bin/install -c
checking whether build environment is sane... yes
checking for a thread-safe mkdir -p... /bin/mkdir -p
checking for gawk... gawk
checking whether make sets $(MAKE)... yes
checking for gcc... gcc
checking whether the C compiler works... yes
checking for C compiler default output file name... a.out
checking for suffix of executables...
checking whether we are cross compiling... no
checking for suffix of object files... o
checking whether we are using the GNU C compiler... yes
checking whether gcc accepts -g... yes
checking for gcc option to accept ISO C89... none needed
checking for style of include used by make... GNU
checking dependency style of gcc... gcc3
checking how to run the C preprocessor... gcc -E
checking whether ln -s works... yes
checking whether make sets $(MAKE)... (cached) yes
checking build system type... x86_64-unknown-linux-gnu
checking host system type... x86_64-unknown-linux-gnu
checking for a sed that does not truncate output... /bin/sed
checking for grep that handles long lines and -e... /bin/grep
checking for egrep... /bin/grep -E
checking for fgrep... /bin/grep -F
checking for ld used by gcc... /usr/bin/ld
checking if the linker (/usr/bin/ld) is GNU ld... yes
checking for BSD- or MS-compatible name lister (nm)... /usr/bin/nm -B
checking the name lister (/usr/bin/nm -B) interface... BSD nm
checking the maximum length of command line arguments... 1966080
checking whether the shell understands some XSI constructs... yes
checking whether the shell understands "+="... yes
checking for /usr/bin/ld option to reload object files... -r
checking for objdump... objdump
checking how to recognize dependent libraries... pass_all
checking for ar... ar
checking for strip... strip
checking for ranlib... ranlib
checking command to parse /usr/bin/nm -B output from gcc object... ok
checking for ANSI C header files... yes
checking for sys/types.h... yes
checking for sys/stat.h... yes
checking for stdlib.h... yes
checking for string.h... yes
checking for memory.h... yes
checking for strings.h... yes
checking for inttypes.h... yes
checking for stdint.h... yes
checking forunistd.h... yes
checking for dlfcn.h... yes
checking for objdir... .libs
checking if gcc supports -fno-rtti -fno-exceptions... no
checking for gcc option to produce PIC... -fPIC -DPIC
checking if gcc PIC flag -fPIC -DPIC works... yes
checking if gcc static flag -static works... no
checking if gcc supports -c -o file.o... yes
checking if gcc supports -c -o file.o... (cached) yes
checking whether the gcc linker (/usr/bin/ld -m elf_x86_64) supports shared libraries... yes
checking whether -lc should be explicitly linked in... no
checking dynamic linker characteristics... GNU/Linux ld.so
checking how to hardcode library paths into programs... immediate
checking whether stripping libraries is possible... yes
checking if libtool supports shared libraries... yes
checking whether to build shared libraries... yes
checking whether to build static libraries... yes
checking for doxygen... false
checking for ANSI C header files... (cached) yes
checking for stdlib.h... (cached) yes
checking for an ANSI C-conforming const... yes
checking for size_t... yes
configure: creating ./config.status
config.status: creating yaml-0.1.pc
config.status: creating include/Makefile
config.status: creating src/Makefile
config.status: creating Makefile
config.status: creating tests/Makefile
config.status: creating win32/Makefile
config.status: creating config.h
config.status: executing depfiles commands
config.status: executing libtool commands

```

二进制安装

make && make install

```

[root@etl yaml-0.1.4]# make && make install
make all-recursive
make[1]: Entering directory `/opt/yaml-0.1.4'
Making all in include
make[2]: Entering directory `/opt/yaml-0.1.4/include'
make[2]: Nothing to be done for `all'.
make[2]: Leaving directory `/opt/yaml-0.1.4/include'
Making all in src
make[2]: Entering directory `/opt/yaml-0.1.4/src'
/bin/sh ../libtool --tag=CC --mode=compile gcc -DHAVE_CONFIG_H -I. -I../include -g -O2 -MT api.lo -MD -MP -MF .deps/api.Tpo -c -o api.lo api.c
libtool: compile: gcc -DHAVE_CONFIG_H -I. -I../include -g -O2 -MT api.lo -MD -MP -MF .dep
s/api.Tpo -c api.c -fPIC -DPIC -o .libs/api.o

```

```

libtool: compile: gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT api.lo -MD -MP -MF .dep
s/api.Tpo -c api.c -o api.o >/dev/null 2>&1
mv -f .deps/api.Tpo .deps/api.Plo
/bin/sh ../libtool --tag=CC --mode=compile gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -M
T reader.lo -MD -MP -MF .deps/reader.Tpo -c -o reader.lo reader.c
libtool: compile: gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT reader.lo -MD -MP -MF .
deps/reader.Tpo -c reader.c -fPIC -DPIC -o .libs/reader.o
libtool: compile: gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT reader.lo -MD -MP -MF .
deps/reader.Tpo -c reader.c -o reader.o >/dev/null 2>&1
mv -f .deps/reader.Tpo .deps/reader.Plo
/bin/sh ../libtool --tag=CC --mode=compile gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -M
T scanner.lo -MD -MP -MF .deps/scanner.Tpo -c -o scanner.lo scanner.c
libtool: compile: gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT scanner.lo -MD -MP -MF .
deps/scanner.Tpo -c scanner.c -fPIC -DPIC -o .libs/scanner.o
libtool: compile: gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT scanner.lo -MD -MP -MF .
deps/scanner.Tpo -c scanner.c -o scanner.o >/dev/null 2>&1
mv -f .deps/scanner.Tpo .deps/scanner.Plo
/bin/sh ../libtool --tag=CC --mode=compile gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -M
T parser.lo -MD -MP -MF .deps/parser.Tpo -c -o parser.lo parser.c
libtool: compile: gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT parser.lo -MD -MP -MF .d
eps/parser.Tpo -c parser.c -fPIC -DPIC -o .libs/parser.o
libtool: compile: gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT parser.lo -MD -MP -MF .d
eps/parser.Tpo -c parser.c -o parser.o >/dev/null 2>&1
mv -f .deps/parser.Tpo .deps/parser.Plo
/bin/sh ../libtool --tag=CC --mode=compile gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -M
T loader.lo -MD -MP -MF .deps/loader.Tpo -c -o loader.lo loader.c
libtool: compile: gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT loader.lo -MD -MP -MF .d
eps/loader.Tpo -c loader.c -fPIC -DPIC -o .libs/loader.o
libtool: compile: gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT loader.lo -MD -MP -MF .d
eps/loader.Tpo -c loader.c -o loader.o >/dev/null 2>&1
mv -f .deps/loader.Tpo .deps/loader.Plo
/bin/sh ../libtool --tag=CC --mode=compile gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -M
T writer.lo -MD -MP -MF .deps/writer.Tpo -c -o writer.lo writer.c
libtool: compile: gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT writer.lo -MD -MP -MF .d
eps/writer.Tpo -c writer.c -fPIC -DPIC -o .libs/writer.o
libtool: compile: gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT writer.lo -MD -MP -MF .d
eps/writer.Tpo -c writer.c -o writer.o >/dev/null 2>&1
mv -f .deps/writer.Tpo .deps/writer.Plo
/bin/sh ../libtool --tag=CC --mode=compile gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -M
T emitter.lo -MD -MP -MF .deps/emitter.Tpo -c -o emitter.lo emitter.c
libtool: compile: gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT emitter.lo -MD -MP -MF .
deps/emitter.Tpo -c emitter.c -fPIC -DPIC -o .libs/emitter.o
libtool: compile: gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT emitter.lo -MD -MP -MF .
deps/emitter.Tpo -c emitter.c -o emitter.o >/dev/null 2>&1
mv -f .deps/emitter.Tpo .deps/emitter.Plo
/bin/sh ../libtool --tag=CC --mode=compile gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -M
T dumper.lo -MD -MP -MF .deps/dumper.Tpo -c -o dumper.lo dumper.c
libtool: compile: gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT dumper.lo -MD -MP -MF .
deps/dumper.Tpo -c dumper.c -fPIC -DPIC -o .libs/dumper.o
libtool: compile: gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT dumper.lo -MD -MP -MF .
deps/dumper.Tpo -c dumper.c -o dumper.o >/dev/null 2>&1
mv -f .deps/dumper.Tpo .deps/dumper.Plo
/bin/sh ../libtool --tag=CC --mode=link gcc -g -O2 -release 0 -version-info 2:2:0 -o libyaml.la -rp
ath /usr/local/lib api.lo reader.lo scanner.lo parser.lo loader.lo writer.lo emitter.lo dumper.lo
libtool: link: gcc -shared .libs/api.o .libs/reader.o .libs/scanner.o .libs/parser.o .libs/loader.o .libs
/writer.o .libs/emitter.o .libs/dumper.o -Wl,-soname -Wl,libyaml-0.so.2 -o .libs/libyaml-0.so.2.0.2
libtool: link: (cd ".libs" && rm -f "libyaml-0.so.2" && ln -s "libyaml-0.so.2.0.2" "libyaml-0.so.2")
libtool: link: (cd ".libs" && rm -f "libyaml.so" && ln -s "libyaml-0.so.2.0.2" "libyaml.so")
libtool: link: ar cru .libs/libyaml.a api.o reader.o scanner.o parser.o loader.o writer.o emitter.o d
umper.o
libtool: link: ranlib .libs/libyaml.a
libtool: link: ( cd ".libs" && rm -f "libyaml.la" && ln -s "../libyaml.la" "libyaml.la" )
make[2]: Leaving directory `/opt/yaml-0.1.4/src'
Making all in .
make[2]: Entering directory `/opt/yaml-0.1.4'
make[2]: Leaving directory `/opt/yaml-0.1.4'
Making all in tests
make[2]: Entering directory `/opt/yaml-0.1.4/tests'
gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT run-scanner.o -MD -MP -MF .deps/run-sc
anner.Tpo -c -o run-scanner.o run-scanner.c
mv -f .deps/run-scanner.Tpo .deps/run-scanner.Po
/bin/sh ../libtool --tag=CC --mode=link gcc -g -O2 -o run-scanner run-scanner.o ../src/libyaml.la
libtool: link: gcc -g -O2 -o .libs/run-scanner run-scanner.o ../src/.libs/libyaml.so -Wl,-rpath -Wl,/u
sr/local/lib
gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT run-parser.o -MD -MP -MF .deps/run-par
ser.Tpo -c -o run-parser.o run-parser.c
mv -f .deps/run-parser.Tpo .deps/run-parser.Po
/bin/sh ../libtool --tag=CC --mode=link gcc -g -O2 -o run-parser run-parser.o ../src/libyaml.la
libtool: link: gcc -g -O2 -o .libs/run-parser run-parser.o ../src/.libs/libyaml.so -Wl,-rpath -Wl,/u
sr/local/lib
gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT run-loader.o -MD -MP -MF .deps/run-loa
der.Tpo -c -o run-loader.o run-loader.c
mv -f .deps/run-loader.Tpo .deps/run-loader.Po
/bin/sh ../libtool --tag=CC --mode=link gcc -g -O2 -o run-loader run-loader.o ../src/libyaml.la
libtool: link: gcc -g -O2 -o .libs/run-loader run-loader.o ../src/.libs/libyaml.so -Wl,-rpath -Wl,/u
sr/local/lib
gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT run-emitter.o -MD -MP -MF .deps/run-emi
tter.Tpo -c -o run-emitter.o run-emitter.c
mv -f .deps/run-emitter.Tpo .deps/run-emitter.Po
/bin/sh ../libtool --tag=CC --mode=link gcc -g -O2 -o run-emitter run-emitter.o ../src/libyaml.la
libtool: link: gcc -g -O2 -o .libs/run-emitter run-emitter.o ../src/.libs/libyaml.so -Wl,-rpath -Wl,/u
sr/local/lib
gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT run-dumper.o -MD -MP -MF .deps/run-du
mper.Tpo -c -o run-dumper.o run-dumper.c
mv -f .deps/run-dumper.Tpo .deps/run-dumper.Po
/bin/sh ../libtool --tag=CC --mode=link gcc -g -O2 -o run-dumper run-dumper.o ../src/libyaml.la
libtool: link: gcc -g -O2 -o .libs/run-dumper run-dumper.o ../src/.libs/libyaml.so -Wl,-rpath -Wl,/u
sr/local/lib
gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT example-reformatter.o -MD -MP -MF .dep
s/example-reformatter.Tpo -c -o example-reformatter.o example-reformatter.c
mv -f .deps/example-reformatter.Tpo .deps/example-reformatter.Po
/bin/sh ../libtool --tag=CC --mode=link gcc -g -O2 -o example-reformatter example-reformatter.o

```

```

./src/libyaml.la
libtool: link: gcc -g -O2 -o .libs/example-reformatter example-reformatter.o ./src/.libs/libyaml.so
-Wl,-rpath -Wl,/usr/local/lib
gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT example-reformatter-alt.o -MD -MP -MF .
deps/example-reformatter-alt.Tpo -c -o example-reformatter-alt.o example-reformatter-alt.c
mv -f .deps/example-reformatter-alt.Tpo .deps/example-reformatter-alt.Po
/bin/sh ./libtool --tag=CC --mode=link gcc -g -O2 -o example-reformatter-alt example-reformatt
er-alt.o ./src/libyaml.la
libtool: link: gcc -g -O2 -o .libs/example-reformatter-alt example-reformatter-alt.o ./src/.libs/libya
ml.so -Wl,-rpath -Wl,/usr/local/lib
gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT example-deconstructor.o -MD -MP -MF .d
eps/example-deconstructor.Tpo -c -o example-deconstructor.o example-deconstructor.c
mv -f .deps/example-deconstructor.Tpo .deps/example-deconstructor.Po
/bin/sh ./libtool --tag=CC --mode=link gcc -g -O2 -o example-deconstructor example-deconstru
ctor.o ./src/libyaml.la
libtool: link: gcc -g -O2 -o .libs/example-deconstructor example-deconstructor.o ./src/.libs/libya
ml.so -Wl,-rpath -Wl,/usr/local/lib
gcc -DHAVE_CONFIG_H -I. -I. -I./include -g -O2 -MT example-deconstructor-alt.o -MD -MP -M
F .deps/example-deconstructor-alt.Tpo -c -o example-deconstructor-alt.o example-deconstruct
or-alt.c
mv -f .deps/example-deconstructor-alt.Tpo .deps/example-deconstructor-alt.Po
/bin/sh ./libtool --tag=CC --mode=link gcc -g -O2 -o example-deconstructor-alt example-decons
tructor-alt.o ./src/libyaml.la
libtool: link: gcc -g -O2 -o .libs/example-deconstructor-alt example-deconstructor-alt.o ./src/.libs
/libyaml.so -Wl,-rpath -Wl,/usr/local/lib
make[2]: Leaving directory `/opt/yaml-0.1.4/tests'
Making all in win32
make[2]: Entering directory `/opt/yaml-0.1.4/win32'
make[2]: Nothing to be done for `all'.
make[2]: Leaving directory `/opt/yaml-0.1.4/win32'
make[1]: Leaving directory `/opt/yaml-0.1.4'
Making install in include
make[1]: Entering directory `/opt/yaml-0.1.4/include'
make[2]: Entering directory `/opt/yaml-0.1.4/include'
make[2]: Nothing to be done for `install-exec-am'.
test -z "/usr/local/include" || /bin/mkdir -p "/usr/local/include"
/usr/bin/install -c -m 644 yaml.h '/usr/local/include/'
make[2]: Leaving directory `/opt/yaml-0.1.4/include'
make[1]: Leaving directory `/opt/yaml-0.1.4/include'
Making install in src
make[1]: Entering directory `/opt/yaml-0.1.4/src'
make[2]: Entering directory `/opt/yaml-0.1.4/src'
test -z "/usr/local/lib" || /bin/mkdir -p "/usr/local/lib"
/bin/sh ./libtool --mode=install /usr/bin/install -c libyaml.la '/usr/local/lib'
libtool: install: /usr/bin/install -c .libs/libyaml-0.so.2.0.2 /usr/local/lib/libyaml-0.so.2.0.2
libtool: install: (cd /usr/local/lib && { ln -s -f libyaml-0.so.2.0.2 libyaml-0.so.2 || { rm -f libyaml-0.s
o.2 && ln -s libyaml-0.so.2.0.2 libyaml-0.so.2; }; })
libtool: install: (cd /usr/local/lib && { ln -s -f libyaml-0.so.2.0.2 libyaml.so || { rm -f libyaml.so && ln
-s libyaml-0.so.2.0.2 libyaml.so; }; })
libtool: install: /usr/bin/install -c .libs/libyaml.lai /usr/local/lib/libyaml.la
libtool: install: /usr/bin/install -c .libs/libyaml.a /usr/local/lib/libyaml.a
libtool: install: chmod 644 /usr/local/lib/libyaml.a
libtool: install: ranlib /usr/local/lib/libyaml.a
libtool: finish: PATH="/usr/lib64/qt-3.3/bin:/usr/local/sbin:/usr/local/bin:/sbin:/bin:/usr/sbin:/usr/bi
n:/root/bin:/sbin" ldconfig -n /usr/local/lib

```

Libraries have been installed in:
 /usr/local/lib

If you ever happen to want to link against installed libraries
 in a given directory, LIBDIR, you must either use libtool, and
 specify the full pathname of the library, or use the `LLIBDIR`
 flag during linking and do at least one of the following:

- add LIBDIR to the `LD_LIBRARY_PATH` environment variable
 during execution
- add LIBDIR to the `LD_RUN_PATH` environment variable
 during linking
- use the `-Wl,-rpath -Wl,LIBDIR` linker flag
- have your system administrator add LIBDIR to `/etc/ld.so.conf`

See any operating system documentation about shared libraries for
 more information, such as the `ld(1)` and `ld.so(8)` manual pages.

```

make[2]: Nothing to be done for `install-data-am'.
make[2]: Leaving directory `/opt/yaml-0.1.4/src'
make[1]: Leaving directory `/opt/yaml-0.1.4/src'
Making install in .
make[1]: Entering directory `/opt/yaml-0.1.4'
make[2]: Entering directory `/opt/yaml-0.1.4'
make[2]: Nothing to be done for `install-exec-am'.
test -z "/usr/local/lib/pkgconfig" || /bin/mkdir -p "/usr/local/lib/pkgconfig"
/usr/bin/install -c -m 644 yaml-0.1.pc '/usr/local/lib/pkgconfig'
make[2]: Leaving directory `/opt/yaml-0.1.4'
make[1]: Leaving directory `/opt/yaml-0.1.4'
Making install in tests
make[1]: Entering directory `/opt/yaml-0.1.4/tests'
make[2]: Entering directory `/opt/yaml-0.1.4/tests'
make[2]: Nothing to be done for `install-exec-am'.
make[2]: Nothing to be done for `install-data-am'.
make[2]: Leaving directory `/opt/yaml-0.1.4/tests'
make[1]: Leaving directory `/opt/yaml-0.1.4/tests'
Making install in win32
make[1]: Entering directory `/opt/yaml-0.1.4/win32'
make[2]: Entering directory `/opt/yaml-0.1.4/win32'
make[2]: Nothing to be done for `install-exec-am'.
make[2]: Nothing to be done for `install-data-am'.
make[2]: Leaving directory `/opt/yaml-0.1.4/win32'
make[1]: Leaving directory `/opt/yaml-0.1.4/win32'
[root@etl yaml-0.1.4]#

```

解压软件

unzip greenplum-loaders-4.3.8.1-build-1-RHEL5-x86_64.zip

```
[root@etl opt]# unzip greenplum-loaders-4.3.8.1-build-1-RHEL5-x86_64.zip
Archive: greenplum-loaders-4.3.8.1-build-1-RHEL5-x86_64.zip
inflating: greenplum-loaders-4.3.8.1-build-1-RHEL5-x86_64.bin
```

安装greenplum-loader

./greenplum-loaders-4.3.8.1-build-1-RHEL5-x86_64.bin

```
[root@etl opt]# ./greenplum-loaders-4.3.8.1-build-1-RHEL5-x86_64.bin
*****
You must read and accept the Pivotal Loaders license agreement
before installing
*****

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```

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5. SUPPORT SERVICES AND SUBSCRIPTION SERVICES. In the event you have purchased Pivotal Support or Subscription Services you will be entitled to any updates, upgrades or extensions or enhancements to the Software. These Support or Subscription Services are subject to Pivotal's then-current terms and conditions for such Support or Subscription Services as further described at <http://www.gopivotal.com/support>. Subscription Services includes Support Services and enables You to obtain unspecified upgrades and major releases of the Software product purchased under such Subscription Service during the Subscription Term.

6. SOFTWARE RELEASES. Customer shall use and deploy Software Releases strictly in accordance with terms of the original license for the Software.

7. TERMINATION. Pivotal may terminate this EULA in its entirety effective immediately upon written notice to You if: (a) You breach any provision in Section 3.4 and do not cure the breach within ten (10) days after receiving written notice thereof from Pivotal; (b) You fail to pay any portion of the fees under an applicable order within ten (10) days after receiving written notice from Pivotal that payment is past due; (c) You suffer an insolvency or analogous event; (d) You breach any other provision of this EULA and do not cure the breach within thirty (30) days after receiving written notice thereof from Pivotal; or (e) You commit a material breach of this EULA that is not capable of being cured. In the event of expiration or any termination of this EULA, You must remove and destroy all copies of the Software, including all backup copies, from the server, virtual machine, and all computers and terminals on which the Software is installed or used and certify destruction of applicable Software (including copies). Any obligations to pay fees incurred prior to termination and Sections 1, 2.3, 3.4, 3.8, 3.9, 4, 7, 9, 10, 11, 12 and 13 of this EULA shall survive expiration or termination of this EULA for any reason.

8. IP INDEMNITY. Pivotal shall (i) defend Customer against any third party claim that Software or Support Services infringes a patent or copyright existing in the country in which Pivotal is located, the United States of America or the European Union; and (ii) pay the resulting costs and damages finally awarded against Customer by a court of competent jurisdiction or the amounts stated in a written settlement negotiated by Pivotal. The foregoing obligations are subject to the following: Customer (a) notifies Pivotal promptly in writing of such claim; (b) grants Pivotal sole control over the defense and settlement thereof; (c) reasonably cooperates in response to an Pivotal request for assistance; and (d) is not in material breach of this EULA. Should any such Software or Support Service become, or in Pivotal's opinion be likely to become, the subject of such a claim, Pivotal may, at its option and expense, (1) procure for Customer the right to make continued use thereof; (2) replace or modify such so that it becomes non-infringing; (3) request return of the Software and, upon receipt thereof; refund the price paid by Customer, less straight-line depreciation based on a three (3) year useful life for Software; or (4) discontinue the Support Service and refund the portion of any pre-paid Support Service fee that corresponds to the period of Support Service discontinuation. Pivotal shall have no liability to the extent that

the alleged infringement arises out of or relates to: (A) the use or combination of Software or Support Service with third party products or services; (B) use for a purpose or in a manner for which the Software or Support Service was not designed; (C) any modification made by any person other than Pivotal or its authorized representatives; (D) any modifications to Software or Support Service made by Pivotal pursuant to Customer?. specific instructions; (E) any technology owned or licensed by Customer from third parties; or (F) use of any older version of the Software when use of a newer Software Release made available to Customer would have avoided the infringement. THIS SECTION STATES CUSTOMER?. SOLE AND EXCLUSIVE REMEDY AND PIVOTAL?. ENTIRE LIABILITY FOR THIRD PARTY INFRINGEMENT CLAIMS.

9. LIMITED WARRANTY AND LIMITATION OF LIABILITY.

9.1 Software

Warranty, Duration and Remedy. Pivotal warrants to Customer that the Software will, for a period of ninety (90) days following Delivery or notice of availability for electronic download ("Warranty Period"), substantially conform to the applicable Documentation, provided that the Software: (i) has been properly installed and used at all times in accordance with the applicable Documentation; and (ii) has not been modified or added to by persons other than Pivotal or its authorized representative. Pivotal will, at its own expense and as its sole obligation and Customer?. exclusive remedy for any breach of this warranty, either replace that Software or correct any reproducible error in that Software reported to Pivotal by Customer in writing during the Warranty Period. If Pivotal determines that it is unable to correct the error or replace the Software, Pivotal will refund to Customer the amount paid by Customer for that Software, in which case the license for that Software will terminate.

9.2 WARRANTY EXCLUSIONS. EXCEPT AS SET FORTH IN SECTION 9.1, PIVOTAL AND ITS LICENSORS PROVIDE THE SOFTWARE WITHOUT ANY WARRANTIES OF ANY KIND, EXPRESS, IMPLIED, STATUTORY, OR IN ANY OTHER PROVISION OF THIS EULA OR COMMUNICATION WITH YOU, AND PIVOTAL AND ITS LICENSORS SPECIFICALLY DISCLAIM ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, TITLE, AND ANY WARRANTIES ARISING FROM COURSE OF DEALING OR COURSE OF PERFORMANCE REGARDING OR RELATING TO THE SOFTWARE, THE DOCUMENTATION, OR ANY MATERIALS FURNISHED OR PROVIDED TO YOU UNDER THIS EULA. PIVOTAL AND ITS LICENSORS DO NOT WARRANT THAT THE SOFTWARE WILL OPERATE UNINTERRUPTED OR THAT IT WILL BE FREE FROM DEFECTS OR THAT THE SOFTWARE WILL MEET (OR IS DESIGNED TO MEET) YOUR BUSINESS REQUIREMENTS.

9.3 LIMITATION OF LIABILITY. A. Limitation on Direct Damages. EXCEPT WITH RESPECT TO CLAIMS ARISING UNDER SECTION 8 ABOVE, PIVOTAL?. TOTAL LIABILITY AND CUSTOMER?. SOLE AND EXCLUSIVE REMEDY FOR ANY CLAIM OF ANY TYPE WHATSOEVER, ARISING OUT OF SOFTWARE OR SERVICE PROVIDED HEREUNDER, SHALL BE LIMITED TO PROVEN DIRECT DAMAGES CAUSED BY PIVOTAL?. SOLE NEGLIGENCE IN AN AMOUNT NOT TO EXCEED (i) US,000,000.00 FOR DAMAGE TO REAL OR TANGIBLE PERSONAL PROPERTY; AND (ii) THE PRICE PAID BY CUSTOMER TO PIVOTAL FOR THE SPECIFIC SERVICE (CALCULATED ON AN ANNUAL BASIS, WHEN APPLICABLE) OR SOFTWARE FROM WHICH SUCH CLAIM ARISES, FOR DAMAGE OF ANY TYPE NOT IDENTIFIED IN (i) ABOVE OR OTHERWISE EXCLUDED HEREUNDER. B. No Indirect Damages. EXCEPT WITH RESPECT TO CLAIMS REGARDING VIOLATION OF PIVOTAL?. INTELLECTUAL PROPERTY RIGHTS OR CLAIMS ARISING UNDER SECTION 8 ABOVE, NEITHER CUSTOMER NOR PIVOTAL SHALL HAVE LIABILITY TO THE OTHER FOR ANY SPECIAL, CONSEQUENTIAL, EXEMPLARY, INCIDENTAL, OR INDIRECT DAMAGES (INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, REVENUES, DATA AND/OR USE), EVEN IF ADVISED OF THE POSSIBILITY THEREOF. C. Special Exclusion. IN JURISDICTIONS THAT DO NOT ALLOW LIMITATION OR EXCLUSION OF CONSEQUENTIAL OR INCIDENTAL DAMAGES, ALL OR A PORTION OF SECTION 9.3A AND/OR 9.3 B ABOVE MAY NOT APPLY.

9.4 Limitation Period. All claims must be made within (i) the time period specified by applicable law; or (ii) eighteen (18) months after the cause of action accrues if no such period is specified at law.

9.5 Regular Back-ups. As part of its obligation to mitigate damages, Customer shall take reasonable data backup measures. In particular, Customer shall backup data before Pivotal performs any remedial works, upgrades, uploads or installs any new Software Release or otherwise works on Customer?. production systems. To the extent Pivotal?. liability for loss of data is not anyway excluded under this EULA, Pivotal shall in case of data losses only be liable for the typical effort to recover the data which would have accrued if Customer had appropriately backed up its data.

10. CONFIDENTIALITY. Each party shall (i) use Confidential Information of the other party only for the purposes of exercising rights or performing obligations in connection with this EULA; and (ii) use at least reasonable care to protect from disclosure to any third parties any Confidential Information disclosed by the other party for a period commencing upon the date of disclosure until three (3) years thereafter, except with respect to Customer data stored within the Software to which Pivotal may have access in connection with the provision of Support or Subscription Services, which shall remain Confidential Information until or unless one of the exceptions stated in the above definition of Confidential Information applies. Notwithstanding the foregoing, either party may disclose Confidential Information (a) to independent contractors performing services on its behalf and Affiliates for the purpose of fulfilling its obligations or exercising its rights hereunder as long as such Affiliates and independent contractors performing services on its behalf comply with the foregoing; and (b) if required by law provided the receiving party has given the disclosing party prompt notice. Pivotal will not be responsible for unauthorized disclosure of Customer data stored within the Software arising from a data security breach.

11. SOFTWARE-SPECIFIC TERMS AND CONDITIONS. In addition to the above sections, the Software is subject to the specific license use rights and terms and conditions located at <http://www.gopivotal.com/product-guide>. In

the event of any conflict between the Software-specific terms and conditions set forth in the Pivotal Product Guide and those set forth in this EULA, the Software-specific terms and conditions set forth in the Pivotal Product Guide shall control.

12. GENERAL

12.1 Construction. As used in this EULA: (a) the terms "include" and "including" are meant to be inclusive and shall be deemed to mean "include without limitation" or "including without limitation," (b) the word "or" is disjunctive, but not necessarily exclusive, (c) words used herein in the singular, where the context so permits, shall be deemed to include the plural and vice versa, (d) references to "dollars" or "\$" shall be to United States dollars unless otherwise specified herein, (e) unless otherwise specified, all references to days, months or years shall be deemed to be preceded by the word "calendar." The headings of this EULA are intended solely for convenience of reference and shall be given no effect in the interpretation or construction of this EULA.

12.2 Governing Law. This EULA is governed by: (i) the laws of California when Pivotal means Pivotal Software, Inc.; (ii) the laws of the country in which the applicable Pivotal subsidiary is registered to do business when Pivotal means the local Pivotal subsidiary; and (iii) the laws of Ireland when Pivotal means GoPivotal International Limited; provided that in each case, the foregoing shall exclude any conflict of law rules, and the U.N. Convention on Contracts for the International Sale of Goods shall not apply.

12.3 Notices. Any notice, consent or other communication to be given under this EULA by any party shall be in writing and shall be either (a) personally delivered, (b) mailed by registered or certified mail, postage prepaid with return receipt requested, (c) delivered by prepaid overnight express delivery service or same-day local courier service, or (d) via e-mail transmission, with receipt confirmed or a confirming copy sent via mail. Notices delivered personally, by overnight express delivery service, by local courier service, facsimile transmission or email shall be deemed given as of actual receipt. Mailed notices shall be deemed given seven (7) Business Days after mailing.

12.4 Successors and Assigns. This EULA may not be assigned without the express written consent of the other party, not to be unreasonably withheld, conditioned or delayed, except that Pivotal may assign or transfer this EULA, in whole or in part, without consent of Customer to any successors-in-interest to all or substantially all of the business or assets of Pivotal whether by merger, reorganization, asset sale or otherwise, or to any Affiliates of Pivotal. Any purported transfer or assignment in violation of this section is void. Subject to the foregoing restrictions, the terms and conditions of this EULA shall inure to the benefit of and be binding upon the respective permitted successors and assigns of the parties.

12.5 Severability. If any provision of this EULA becomes or is declared by a court of competent jurisdiction to be illegal, unenforceable, or void, portions of such provision, or such provision in its entirety, to the extent necessary, shall be severed from this EULA, and such court will replace such illegal, void or unenforceable provision of this EULA with a valid and enforceable provision that will achieve, to the extent possible, the same economic, business and other purposes of the illegal, void or unenforceable provision. The balance of this EULA shall be enforceable in accordance with its terms.

12.6 Waiver. Failure to enforce a provision of this EULA will not constitute a waiver.

12.7 Independent Contractor. The parties are independent contractors. Nothing in this EULA shall be construed to create a joint venture, partnership, or an agency relationship between the parties themselves or between the parties and any third person. Except as expressly provided herein, no party has the authority, without the other party's prior written approval, to bind or commit any other party in any way.

12.8 No Third-party Beneficiaries. This EULA is not intended to confer upon any person other than the parties hereto any rights or remedies hereunder.

12.9 Force Majeure. In the event that either party is prevented from performing or is unable to perform any of its obligations under this EULA due to any Act of God, fire, casualty, flood, earthquake, war, strike, lockout, epidemic, destruction of production facilities, riot, insurrection, material unavailability, unavailability or interruption of telecommunications equipment or networks, or any other cause beyond the reasonable control of the party invoking this section, and if such party shall have used reasonable efforts to mitigate its effects, such party shall give prompt written notice to the other party, its performance shall be excused, and the time for the performance shall be extended for the period of delay or inability to perform due to such occurrences.

12.10 Compliance with Laws; Export Control; Government Regulations. Each party shall comply with all laws applicable to the actions contemplated by this EULA. You acknowledge that the Software is of United States origin, is provided subject to the U.S. Export Administration Regulations, may be subject to the export control laws of the applicable territory, and that diversion contrary to applicable export control laws is prohibited. You represent that (1) you are not, and are not acting on behalf of, (a) any person who is a citizen, national, or resident of, or who is controlled by the government of any country to which the United States has prohibited export transactions; or (b) any person or entity listed on the U.S. Treasury Department list of Specially Designated Nationals and Blocked Persons, or the U.S. Commerce Department Denied Persons List or Entity List; and (2) you will not permit the Software to be used for, any purposes prohibited by law, including, any prohibited development, design, manufacture or production of missiles or nuclear, chemical or biological weapons. If the Software and related documentation is licensed to the

weapons. If the Software and related documentation is licensed to the United States government or any agency thereof, then the Software and documentation will be deemed to be "commercial computer software" and "commercial computer software documentation," respectively, pursuant to DFARS Section 227.7202 and FAR Section 12.212, as applicable. Any use, reproduction, release, performance, display or disclosure of the Software and any related documentation by the U.S. Government will be governed solely by this EULA and is prohibited except to the extent expressly permitted by this EULA.

12.11 Order of Precedence. In the event of conflict or inconsistency among the Pivotal Product Guide, this EULA and a purchase order, the following order of precedence shall apply: (a) the Pivotal Product Guide, (b) this EULA and (c) the order.

12.12 Entire Agreement. This EULA (i) is the complete statement of the agreement of the parties with regard to the subject matter hereof; and (ii) may be modified only by a writing signed by both parties. All terms of any purchase order or similar document provided by Customer, including but not limited to any pre-printed terms thereon and any terms that are inconsistent or conflict with this EULA, shall be null and void and of no legal force or effect.

12.13 Contact Information. Please direct legal notices or other correspondence to Pivotal Software, Inc., 3495 Deer Creek Road, Palo Alto, CA 94304, United States of America, Attn: legal@gopivotal.com.

13. COUNTRY SPECIFIC TERMS [IRELAND]. The terms in this Section 13 apply only when Pivotal means the Pivotal sales subsidiary located in Ireland (currently GoPivotal International Limited) and for the avoidance of doubt these terms below shall replace the terms in the EULA above as specifically stated and all other terms shall remain unchanged:

13.1 Section 9.2 (WARRANTY EXCLUSIONS). The entire section is deleted and replaced with:

9.2 WARRANTY EXCLUSIONS. EXCEPT AS EXPRESSLY STATED IN THE APPLICABLE WARRANTY SET FORTH IN THIS EULA (INCLUDING ITS SUPPLIERS) MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES, WRITTEN OR ORAL. IN SO FAR AS PERMITTED UNDER APPLICABLE LAW, ALL OTHER WARRANTIES ARE SPECIFICALLY EXCLUDED, INCLUDING WARRANTIES ARISING BY STATUTE, COURSE OF DEALING OR USAGE OF TRADE.

13.2 Section 9.3 (LIMITATION OF LIABILITY). The entire section is deleted and replaced with the:

9.3 LIMITATION OF LIABILITY.

A. In case of death or personal injury caused by Pivotal? negligence, in case of Pivotal? willful misconduct, fraud or gross negligence, and where a limitation of liability is not permissible under applicable mandatory law, Pivotal shall be liable according to statutory law.

B. Subject always to subsection 9.3.A, the liability of Pivotal (including its suppliers) to the Customer under or in connection with a Customer? purchase order, whether arising from negligent error or omission, breach of contract, or otherwise ("Defaults") shall not exceed the (i) one million euros (?.000,000) for damage to real or tangible personal property; and (ii) the price paid by Customer to Pivotal for the specific service (calculated on an annual basis, when applicable) or Software from which such claim arise, for damages of any type not identified in (i) above or otherwise excluded hereunder.

C. In no event shall Pivotal (including its suppliers) be liable to Customer however that liability arises, for the following losses, whether direct, consequential, special, incidental, punitive or indirect: (i) loss of actual or anticipated revenue or profits, loss of use, loss of actual or anticipated savings, loss of or breach of contracts, loss of goodwill or reputation, loss of business opportunity, loss of business, wasted management time, cost of substitute services or facilities, loss of use of any software or data; and/or (ii) indirect, consequential, exemplary or incidental or special loss or damage; and/or (iii) damages, costs and/or expenses due to third party claims; and/or (iv) loss or damage due to the Customer? failure to comply with obligations under this EULA, failure to do back-ups of data or any other matter under the control of the Customer and in each case whether or not any such losses were direct, foreseeable, foreseeable, known or otherwise, and whether or not that party was aware of the circumstances in which such losses could arise. For the purposes of this Section 9.3, the term "loss" shall include a partial loss, as well as a complete or total loss.

D. The parties expressly agree that should any limitation or provision contained in this Section 9.3 be held to be invalid under any applicable statute or rule of law, it shall to that extent be deemed omitted, but if any party thereby becomes liable for loss or damage which would otherwise have been excluded such liability shall be subject to the other limitations and provisions set out in this Section 9.3.

E. The parties expressly agree that any order for specific performance made in connection with this EULA in respect of Pivotal shall be subject to the financial limitations set out in sub-section 9.3.B.

F. CUSTOMER OBLIGATIONS IN RESPECT OF PRESERVATION OF DATA. During the Term of the EULA the Customer shall: 1) from a point in time prior to the point of failure, (i) make full and/or incremental backups of data which allow recovery in an application consistent form, and (ii) store such back-ups at an off-site location sufficiently distant to avoid being impacted by the event(s) (e.g. including but not limited to flood, fire, power loss, denial of access or air crash) and affect the availability of data at the impacted site; 2) have adequate processes and procedures in place to restore data back to a point in time and prior to point of failure, and in the event of real or perceived data loss, provide the skills/backup and outage windows to restore the data in question; 3) use anti-virus software, regularly install updates across all data which is accessible across the network, and protect all storage arrays against power surges and unplanned power outages with uninterruptible power supplies; and 4) ensure that all operating system, firmware, system utility (e.g. but not limited to, volume management, cluster management and backup) and patch levels are kept to Pivotal recommended versions and that any proposed

levels are kept to pivotal recommended versions and that any proposed changes thereto shall be communicated to Pivotal in a timely fashion.

13.3 Section 9.4 (Limitation Period). The entire section is deleted and replaced with:

9.4 WAIVER OF RIGHT TO BRING ACTIONS. Customer waives the right to bring any claim arising out of or in connection with this EULA more than twenty-four (24) months after the date of the cause of action giving rise to such claim.

Rev: Pivotal_GPDB_EULA_03182014.txt

Do you accept the Pivotal Loaders license agreement? [yes | no]

Do you accept the Pivotal Loaders license agreement? [yes | no]

Do you accept the Pivotal Loaders license agreement? [yes | no]

Do you accept the Pivotal Loaders license agreement? [yes | no]

Do you accept the Pivotal Loaders license agreement? [yes | no]

Do you accept the Pivotal Loaders license agreement? [yes | no]

Do you accept the Pivotal Loaders license agreement? [yes | no]

Do you accept the Pivotal Loaders license agreement? [yes | no]

Do you accept the Pivotal Loaders license agreement? [yes | no]

Do you accept the Pivotal Loaders license agreement? [yes | no]

Do you accept the Pivotal Loaders license agreement? [yes | no]

Do you accept the Pivotal Loaders license agreement? [yes | no]

Do you accept the Pivotal Loaders license agreement? [yes | no]

yes

Provide the installation path for Greenplum Loaders or press ENTER to
accept the default installation path: /usr/local/greenplum-loaders-4.3.8.1-build-1

Install Greenplum Loaders into </usr/local/greenplum-loaders-4.3.8.1-build-1>? [yes | no]

yes

```

*****
/usr/local/greenplum-loaders-4.3.8.1-build-1 does not exist.
Create /usr/local/greenplum-loaders-4.3.8.1-build-1 ? [ yes | no ]
(Selecting no will exit the installer)
*****

yes

Extracting product to /usr/local/greenplum-loaders-4.3.8.1-build-1

*****
Installation complete.
Greenplum Loaders is installed in:

    /usr/local/greenplum-loaders-4.3.8.1-build-1

Pivotal Greenplum documentation is available
for download at http://docs.gopivotal.com/gpdb
*****

```

查看greenplum_loaders_path.sh 下的\$GPHOME_LOADERS\$ 路径是否正确
cat greenplum_loaders_path.sh

```

[root@etl greenplum-loaders-4.3.8.1-build-1]# cat greenplum_loaders_path.sh
if [ `uname -s` = "HP-UX" ]; then
set +o nounset
fi

GPHOME_LOADERS=/usr/local/greenplum-loaders-4.3.8.1-build-1
PATH=${GPHOME_LOADERS}/bin:${GPHOME_LOADERS}/ext/python/bin:${PATH}
PYTHONPATH=${GPHOME_LOADERS}/bin/ext:${PYTHONPATH}

export GPHOME_LOADERS
export PATH
export PYTHONPATH

# Mac OSX uses a different library path variable
if [ xDarwin = x`uname -s` ]; then
DYLD_LIBRARY_PATH=${GPHOME_LOADERS}/lib:${GPHOME_LOADERS}/ext/python/lib:${D
YLD_LIBRARY_PATH}
export DYLD_LIBRARY_PATH
else
LD_LIBRARY_PATH=${GPHOME_LOADERS}/lib:${GPHOME_LOADERS}/ext/python/lib:${LD_
LIBRARY_PATH}
export LD_LIBRARY_PATH
fi

# AIX uses yet another library path variable
# Also, Python on AIX requires special copies of some libraries. Hence, lib/pware.
if [ xAIX = x`uname -s` ]; then
LIBPATH=${GPHOME_LOADERS}/lib/pware:${GPHOME_LOADERS}/lib:${GPHOME_LOADERS}/ext/python/lib:/usr/lib/threads:${LIBPATH}
export LIBPATH
GP_LIBPATH_FOR_PYTHON=${GPHOME_LOADERS}/lib/pware
export GP_LIBPATH_FOR_PYTHON
fi

if [ "$1" != "-q" ]; then
type python >/dev/null 2>&1
if [ $? -ne 0 ]; then
echo "Warning: Python not found. Python-2.5.1 or better is required to run gpload."
fi
fi
[root@etl greenplum-loaders-4.3.8.1-build-1]#

```

一般如果不是修改文件路径就不会有问题

到root家目录下修改bash_profile
vim .bash_profile

```

[root@etl ~]# cat .bash_profile
# .bash_profile

# Get the aliases and functions
if [ -f ~/.bashrc ]; then
. ~/.bashrc
fi

# User specific environment and startup programs

PATH=$PATH:$HOME/bin

export PATH

export PGDATABASE=tutorial
export PGHOST=master
export PGPORT=5432
export PGUSER=user1
export PGPASSWORD=user1

```

pgdatabase是创建的数据库
pghost是安装数据库的主机名
pguser:用户名

使环境生效

```
source .bash_profile
```

```
source greenplum_loaders_path.sh
```

```
[root@etl ~]# source .bash_profile
```

```
[root@etl greenplum-loaders-4.3.8.1-build-1]# source greenplum_loaders_path.sh
```

到目前为止，安装已经完成了，但是我们需要验证

启动gpfdist

```
nohup /usr/local/greenplum-loaders-4.3.8.1-build-1/bin/gpfdist -d /home/admin/ -p 8888 > /tmp/gpfdist.log 2>&1 &
```

```
[root@etl ~]# nohup /usr/local/greenplum-loaders-4.3.8.1-build-1/bin/gpfdist -d /home/admin/ -p 8888 > /tmp/gpfdist.log 2>&1 &
```

```
[root@etl home]# cat /tmp/gpfdist.log
nohup: ignoring input
2017-07-13 05:53:39 4729 INFO Before opening listening sockets - following listening sockets are available:
2017-07-13 05:53:39 4729 INFO IPV6 socket: [::]:8888
2017-07-13 05:53:39 4729 INFO IPV4 socket: 0.0.0.0:8888
2017-07-13 05:53:39 4729 INFO Trying to open listening socket:
2017-07-13 05:53:39 4729 INFO IPV6 socket: [::]:8888
2017-07-13 05:53:39 4729 INFO Opening listening socket succeeded
2017-07-13 05:53:39 4729 INFO Trying to open listening socket:
2017-07-13 05:53:39 4729 INFO IPV4 socket: 0.0.0.0:8888
Serving HTTP on port 8888, directory /home/admin
```

创建模板文件 (*.yml)

```
vim abc.yml
```

```
[root@etl bin]# cat abc.yml
VERSION: 1.0.0.1
DATABASE: tutorial
USER: user1
HOST: 192.168.1.80
PORT: 5432
GPLOAD:
  INPUT:
    - SOURCE:
        LOCAL_HOSTNAME:
          - 192.168.1.18
        PORT: 8888
        FILE: ['/home/admin/test01.txt']
    - COLUMNS:
        - id:
            - name:
        - FORMAT: TEXT
        - DELIMITER: ','
        - QUOTE: "
        - HEADER: FALSE
        - ENCODING: UTF8
        - ERROR_LIMIT: 50
  OUTPUT:
    - TABLE: "public.test001"
    - MODE: insert
[root@etl bin]#
```

执行脚本

```
gpload -f abc.yml
```

```
[root@etl bin]# gpload -f abc.yml
2017-07-13 07:12:01|INFO|gpload session started 2017-07-13 07:12:01
2017-07-13 07:12:01|INFO|started gpfdist -p 8888 -P 8889 -f "/home/admin/test01.txt" -t 30
2017-07-13 07:12:02|INFO|running time: 1.04 seconds
2017-07-13 07:12:02|INFO|rows Inserted = 7
2017-07-13 07:12:02|INFO|rows Updated = 0
2017-07-13 07:12:02|INFO|data formatting errors = 1
2017-07-13 07:12:02|INFO|gpload succeeded
```

整个过程分为三个小软件安装以及相对应的依赖包，测试环境是否搭建成功，这个步骤做完之后，就可以使用kettle调用greenplum loader控

件来传入数据了

错误

1.1、python setup.py install 执行报错

```
[root@etl opt]# python setup.py install
python: can't open file 'setup.py': [Errno 2] No such file or directory
```

solution:

仔细查看setup.py的路径，应该到解压包路径

```
[root@etl opt]# ls
greenplum-loaders-4.3.8.1-build-1-RHEL5-x86_64.zip PyYAML-3.10 PyYAML-3.10.tar.gz rh
[root@etl opt]# cd PyYAML-3.10
[root@etl PyYAML-3.10]# ls
CHANGES examples ext lib lib3 LICENSE PKG-INFO README setup.cfg setup.py tests
```

2.1、./configure 执行报错

```
[root@etl yam1-0.1.4]# ./configure
checking for a BSD-compatible install... /usr/bin/install -c
checking whether build environment is sane... yes
checking for a thread-safe mkdir -p... /bin/mkdir -p
checking for gawk... gawk
checking whether make sets $(MAKE)... yes
checking for gcc... no
checking for cc... no
checking for cl.exe... no
configure: error: in `/opt/yam1-0.1.4':
configure: error: no acceptable C compiler found in $PATH
See `config.log' for more details
[root@etl yam1-0.1.4]# cat config.log
This file contains any messages produced by compilers while
running configure, to aid debugging if configure makes a mistake.
```

It was created by yam1 configure 0.1.4, which was
generated by GNU Autoconf 2.67. Invocation command line was

\$./configure

```
## ----- ##
## Platform. ##
## ----- ##
```

```
hostname = etl
uname -m = x86_64
uname -r = 2.6.32-431.el6.x86_64
uname -s = Linux
uname -v = #1 SMP Fri Nov 22 03:15:09 UTC 2013
```

```
/usr/bin/uname -p = unknown
/bin/uname -X = unknown
```

```
/bin/arch = x86_64
/usr/bin/arch -k = unknown
/usr/bin/getsysinfo = unknown
/usr/bin/hostinfo = unknown
/bin/machine = unknown
/usr/bin/oslevel = unknown
/bin/universe = unknown
```

```
PATH: /usr/lib64/qt-3.3/bin
PATH: /usr/local/sbin
PATH: /usr/local/bin
PATH: /sbin
PATH: /bin
PATH: /usr/sbin
PATH: /usr/bin
PATH: /root/bin
```

```
## ----- ##
## Core tests. ##
## ----- ##
```

```
configure:2409: checking for a BSD-compatible install
configure:2477: result: /usr/bin/install -c
configure:2488: checking whether build environment is sane
configure:2538: result: yes
configure:2679: checking for a thread-safe mkdir -p
configure:2718: result: /bin/mkdir -p
configure:2731: checking for gawk
configure:2747: found /bin/gawk
configure:2758: result: gawk
configure:2769: checking whether make sets $(MAKE)
configure:2791: result: yes
configure:2947: checking for gcc
configure:2977: result: no
configure:3040: checking for cc
configure:3087: result: no
configure:3143: checking for cl.exe
```



```

configure:3173: result: no
configure:3197: error: in `/opt/yaml-0.1.4':
configure:3199: error: no acceptable C compiler found in $PATH
See `config.log' for more details

## ----- ##
## Cache variables. ##
## ----- ##

ac_cv_env_CC_set=
ac_cv_env_CC_value=
ac_cv_env_CFLAGS_set=
ac_cv_env_CFLAGS_value=
ac_cv_env_CPPFLAGS_set=
ac_cv_env_CPPFLAGS_value=
ac_cv_env_CPP_set=
ac_cv_env_CPP_value=
ac_cv_env_LDFLAGS_set=
ac_cv_env_LDFLAGS_value=
ac_cv_env_LIBS_set=
ac_cv_env_LIBS_value=
ac_cv_env_build_alias_set=
ac_cv_env_build_alias_value=
ac_cv_env_host_alias_set=
ac_cv_env_host_alias_value=
ac_cv_env_target_alias_set=
ac_cv_env_target_alias_value=
ac_cv_path_install='/usr/bin/install -c'
ac_cv_path_mkdir='/bin/mkdir'
ac_cv_prog_AWK=gawk
ac_cv_prog_make_make_set=yes

## ----- ##
## Output variables. ##
## ----- ##

ACLOCAL='${SHELL} /opt/yaml-0.1.4/config/missing --run aclocal-1.11'
AMDEPBACKSLASH=
AMDEP_FALSE=
AMDEP_TRUE=
AMTAR='${SHELL} /opt/yaml-0.1.4/config/missing --run tar'
AR=
AUTOCONF='${SHELL} /opt/yaml-0.1.4/config/missing --run autoconf'
AUTOHEADER='${SHELL} /opt/yaml-0.1.4/config/missing --run autoheader'
AUTOMAKE='${SHELL} /opt/yaml-0.1.4/config/missing --run automake-1.11'
AWK='gawk'
CC=
CCDEPMODE=
CFLAGS=
CPP=
CPPFLAGS=
CYGPATH_W='echo'
DEFS=
DEPDIR=
DOXYGEN=
DOXYGEN_FALSE=
DOXYGEN_TRUE=
DSYMUTIL=
DUMPBIN=
ECHO_C=
ECHO_N='-n'
ECHO_T=
EGREP=
EXEEXT=
FGREP=
GREP=
INSTALL_DATA='${INSTALL} -m 644'
INSTALL_PROGRAM='${INSTALL}'
INSTALL_SCRIPT='${INSTALL}'
INSTALL_STRIP_PROGRAM='$(install_sh) -c -s'
LD=
LDFLAGS=
LIBOBJ=
LIBS=
LIBTOOL=
LIPO=
LN_S=
LTLIBOBJ=
MAKEINFO='${SHELL} /opt/yaml-0.1.4/config/missing --run makeinfo'
MKDIR_P='/bin/mkdir -p'
NM=
NMEDIT=
OBJDUMP=
OBJEXT=
OTOOL64=
OTOOL=
PACKAGE='yaml'
PACKAGE_BUGREPORT='http://pyyaml.org/newticket?component=libyaml'
PACKAGE_NAME='yaml'
PACKAGE_STRING='yaml 0.1.4'
PACKAGE_TARNAME='yaml'
PACKAGE_URL=
PACKAGE_VERSION='0.1.4'
PATH_SEPARATOR=':'
RANLIB=
SED=
SET_MAKE=
SHELL='/bin/sh'
STRIP=
VERSION='0.1.4'
YAML_LT_AGE='0'
YAML_LT_CURRENT='2'

```

```

YAML_LT_RELEASE='0'
YAML_LT_REVISION='2'
ac_ct_CC=""
ac_ct_DUMPBIN=""
am__EXEEXT_FALSE=""
am__EXEEXT_TRUE=""
am__fastdepCC_FALSE=""
am__fastdepCC_TRUE=""
am__include=""
am__isrc=""
am__leading_dot='.'
am__quote=""
am__tar='${AMTAR} chof - "$${stardir}"'
am__untar='${AMTAR} xf -'
bindir='${exec_prefix}/bin'
build=""
build_alias=""
build_cpu=""
build_os=""
build_vendor=""
datadir='${datarootdir}'
datarootdir='${prefix}/share'
docdir='${datarootdir}/doc/${PACKAGE_TARNAME}'
dvidir='${docdir}'
exec_prefix='NONE'
host=""
host_alias=""
host_cpu=""
host_os=""
host_vendor=""
htmldir='${docdir}'
includedir='${prefix}/include'
infodir='${datarootdir}/info'
install_sh='${SHELL} /opt/yaml-0.1.4/config/install-sh'
libdir='${exec_prefix}/lib'
libexecdir='${exec_prefix}/libexec'
localedir='${datarootdir}/locale'
localstatedir='${prefix}/var'
lt_ECHO='echo'
mandir='${datarootdir}/man'
mkdir_p='/bin/mkdir -p'
oldincludedir='/usr/include'
pdfdir='${docdir}'
prefix='NONE'
program_transform_name='s,x,x,'
psdir='${docdir}'
sbindir='${exec_prefix}/sbin'
sharedstatedir='${prefix}/com'
sysconfdir='${prefix}/etc'
target_alias=""

## ----- ##
## confdefs.h. ##
## ----- ##

/* confdefs.h */
#define PACKAGE_NAME "yaml"
#define PACKAGE_TARNAME "yaml"
#define PACKAGE_VERSION "0.1.4"
#define PACKAGE_STRING "yaml 0.1.4"
#define PACKAGE_BUGREPORT "http://pyyaml.org/newticket?component=libyaml"
#define PACKAGE_URL ""
#define PACKAGE "yaml"
#define VERSION "0.1.4"
#define YAML_VERSION_MAJOR 0
#define YAML_VERSION_MINOR 1
#define YAML_VERSION_PATCH 4
#define YAML_VERSION_STRING "0.1.4"

configure: exit 1
[root@etl yaml-0.1.4]#

```

资料: <http://blog.csdn.net/duguduchong/article/details/8699774>

在config.log中检查gcc, 没有找到, 现在需要安装gcc的依赖包

```
yum -y install gcc*
```

3.1 nohup /usr/local/greenplum-loaders-4.3.8.1-build-1/bin/gpfdist -d /home/admin/ -p 8888 > /tmp/gpfdist.log 2>&1 & 执行报错

查看日志

```

[root@etl ~]# cat /tmp/gpfdist.log
nohup: ignoring input
/usr/local/greenplum-loaders-4.3.8.1-build-1/bin/gpfdist: error while loading shared libraries: lib
yaml-0.so.1: cannot open shared object file: No such file or directory
[1]+ Exit 127 nohup /usr/local/greenplum-loaders-4.3.8.1-build-1/bin/gpfdist -d /home/admin/ -p
8888 > /tmp/gpfdist.log 2>&1

```

资料: <https://discuss.pivotal.io/hc/zh-cn/community/posts/206424348-Error-Message-gpfdist-error-while-loading-shared-libraries-libyaml-0-so-1>

```
source greenplum_loaders_path.sh
```

4.1 gpload -f abc.yml 执行报错

```
[root@etl bin]# gpload -f abc.yml
2017-07-13 06:12:00|INFO|gpload session started 2017-07-13 06:12:00
2017-07-13 06:12:00|ERROR|could not connect to database: FATAL: no pg_hba.conf entry for
host "192.168.1.18", user "user1", database "tutorial", SSL off
. Is the Greenplum Database running on port 5432?
2017-07-13 06:12:00|INFO|rows Inserted = 0
2017-07-13 06:12:00|INFO|rows Updated = 0
2017-07-13 06:12:00|INFO|data formatting errors = 0
2017-07-13 06:12:00|INFO|gpload failed
```

去主机节点上修改pg_hba.conf文件

vim pg_hba.conf

gpstop -u

4.2 gpload -f abc.yml 执行报错

```
[root@etl bin]# gpload -f abc.yml
2017-07-13 06:23:34|INFO|gpload session started 2017-07-13 06:23:34
2017-07-13 06:23:34|INFO|started gpfdist -p 8888 -P 8889 -f "/home/admin/test01.txt" -t 30
2017-07-13 06:23:34|ERROR|could not run SQL "create external table ext_gpload_5356e268_
67b5_11e7_9eb3_08002733502c(id integer,name character varying(128))location('gpfdist://etl
:8889/home/admin/test01.txt') format'text' (delimiter ',' null '\N' escape '\') encoding'UTF8' seg
ment reject limit 50 ": ERROR: permission denied: no privilege to create a readable gpfdist(s) e
xternal table

2017-07-13 06:23:34|INFO|rows Inserted = 0
2017-07-13 06:23:34|INFO|rows Updated = 0
2017-07-13 06:23:34|INFO|data formatting errors = 0
2017-07-13 06:23:34|INFO|gpload failed
```

文件中报错信息: ERROR: permission denied: no privilege to create a readable gpfdist(s) external table

修改参数文件postgresql.conf中的两个参数

gp_external_enable_exec = on # enable external tables with EXECUTE.

gp_external_grant_privileges = on #enable create http/gpfdist for non su's

文章链接地址:

<http://blog.csdn.net/fengl2345zi/article/details/52046430>

<http://blog.csdn.net/duguduchong/article/details/8699774>

<https://discuss.pivotal.io/hc/zh-cn/community/posts/206424348-Error-Message-gpfdist-error-while-loading-shared-libraries-libyaml-0-so-l>