《联网安装 lkp-tests 问题合集》

1. 联网安装指导

权限

lkp test 运行需要root用户运行，所以在自动化的过程中有一个切root的操作

安装教程

https://docs.openeuler.org/zh/docs/22.09/docs/certification/%E6%B5%8B%E8%AF%95%E6%A0%87%E5%87%86%E5%92%8C%E6%B5%8B%E8%AF%95%E5%B7%A5%E5%85%B7.html

证书问题

```
https://rubygems.org/ removed from sources
[root@server2 lkp-tests]# gem sources -a https://gems.ruby-china.com/

Error fetching https://gems.ruby-china.com/:
        SSL_connect returned=1 errno=0 state=error: wrong version number (https://gems.ruby-china.com/specs.4.8.gz)
```

[解决方式]：https://developer.baidu.com/article/details/2821747

make install 遇到的问题

1. 未从更新后的镜像源拉取资源

```
bash sbin/install-dependencies.sh
Installing packages ruby rubygems make gcc diffutils util-linux lftp hostname sudo
gzip git rubygem-json rubygem-bundler gcc-c++ ruby-devel rubygem-rake rpm-build
Installing ruby gems...
source https://rubygems.org/ not present in cache
```

[解决方式]：

```
1  #!/bin/sh
2
3  . $LKP_SRC/lib/detect-system.sh
4
5  setup_gem_china()
6  {
7          # https://mirrors.ustc.edu.cn/help/rubygems.html
8          gem sources -a http://mirrors.aliyun.com/rubygems/
9          # Note: centos7 does not work with tuna/ruby-china
10         gem sources -a https://mirrors.tuna.tsinghua.edu.cn/rubygems/
11         gem sources -a https://mirrors.ustc.edu.cn/rubygems/     #添加科大源
12         gem sources -a https://gems.ruby-china.com/
13         # Note: ustc looks not reliable
14         #  bundle config mirror.https://rubygems.org https://gems.ruby-china.com
15  }
```

将 lib/install.sh里第8行替换为可用的镜像源，以及可以屏蔽掉10-12行中不可用的镜像源

2. 卡死报错

```
[root@master01 lkp-tests]# make install
bash sbin/install-dependencies.sh
Installing packages ruby rubygems make gcc diffutils util-linux lftp hostname sudo gzip git rubygem-json rubygem-bundler gcc-c++ ruby-devel rubygem-rake rpm-build
Installing ruby gems...
source http://mirrors.aliyun.com/rubygems/ already present in the cache
```

```
Error fetching https://mirrors.tuna.tsinghua.edu.cn/rubygems/:
        too many connection resets (https://mirrors.tuna.tsinghua.edu.cn/rubygems/specs.4.8.gz)
https://mirrors.ustc.edu.cn/rubygems/ added to sources
Error fetching https://gems.ruby-china.com/:
        SSL_connect returned=1 errno=0 state=error: wrong version number (https://gems.ruby-china.com/specs.4.8.gz)
Traceback (most recent call last):
        2: from /usr/bin/bundle:23:in `<main>'
        1: from /usr/share/rubygems/rubygems.rb:308:in `activate_bin_path'
/usr/share/rubygems/rubygems.rb:289:in `find_spec_for_exe': can't find gem bundler (>= 0.a) with executable bundle (Gem::GemNotFoundException)
```

[解决方式]: 安装bundler 首先运行

```
cat Gemfile.lock | grep -A 1 "BUNDLED WITH"
```

```
[root@master01 lkp-tests]# cat Gemfile.lock | grep -A 1 "BUNDLED WITH"
BUNDLED WITH
   2.2.33
[root@master01 lkp-tests]# yum install bunder -v '2.2.33'
Loaded plugins: builddep, changelog, config-manager, copr, debug, debuginfo-install, download, generate_completion_cache, needs-restarting, playground, repoclosure, repodiff, repograph, repo
manage, reposync
YUM version: 4.2.23
```

安装相同版本

```
gem install bundler -v 2.2.33
```

3. 为更新gem缓存导致更新的镜像源未生效

```
source cache successfully updated
[root@master01 lkp-tests]# make install
bash sbin/install-dependencies.sh
Installing packages ruby rubygems make gcc diffutils util-linux lftp hostname sudo gzip git rubygem-json rubygem-bundler gcc-c++ ruby-devel rubygem-rake rpm-build
Installing ruby gems...
source http://mirrors.aliyun.com/rubygems/ already present in the cache
Don't run Bundler as root. Bundler can ask for sudo if it is needed, and installing your bundle as root will break this application for all non-root users on this machine.
/usr/share/gems/gems/psych-3.0.2/lib/psych.rb:232: warning: already initialized constant Psych::LIBYAML_VERSION
/usr/share/ruby/psych.rb:232: warning: previous definition of LIBYAML_VERSION was here
/usr/share/gems/gems/psych-3.0.2/lib/psych.rb:234: warning: already initialized constant Psych::FALLBACK
/usr/share/ruby/psych.rb:234: warning: previous definition of FALLBACK was here
Fetching source index from https://rubygems.org/

Retrying fetcher due to error (2/4): Bundler::HTTPError Could not fetch specs from https://rubygems.org/ due to underlying error <SSL_connect returned=1 errno=0 state=error: wrong version nu
mber (https://rubygems.org/specs.4.8.gz)>

Retrying fetcher due to error (3/4): Bundler::HTTPError Could not fetch specs from https://rubygems.org/ due to underlying error <SSL_connect returned=1 errno=0 state=error: wrong version nu
mber (https://rubygems.org/specs.4.8.gz)>

Retrying fetcher due to error (4/4): Bundler::HTTPError Could not fetch specs from https://rubygems.org/ due to underlying error <SSL_connect returned=1 errno=0 state=error: wrong version nu
mber (https://rubygems.org/specs.4.8.gz)>

Could not fetch specs from https://rubygems.org/ due to underlying error <SSL_connect returned=1 errno=0 state=error: wrong version number (https://rubygems.org/specs.4.8.gz)>
make: *** [Makefile:7: install] Error 17
```

[解决方式]:

```
# 运行命令，删除无效镜像源
gem source
# 在更新镜像源后需要更新gem缓存，让更新的镜像源生效
gem source -u
```

4. bundle镜像源配置问题

[解决方式]:

```
# 替换bundle镜像源
bundle config mirror.https://rubygems.org https://mirrors.aliyun.com/rubygems
```

5. 安装超时报错

[解决方式]:

安装时间过长，连接冲断，重新运行make install即可解决

lkp install 遇到的问题

1. 报错，系统不支持

[解决方式]：环境变量中增加 LKP_SRC，路径和 LKP_PATH 一样 $export PATH = $ PATH:/home/lj/lkp-tests/sbin:/home/lj/lkp-tests/bin:/home/lj/lkp-tests/sbin:/home/lj/lkp-tests/bin export LKP_PATH=/home/lj/lkp-tests export LKP_SRC=/home/lj/lkp-tests

2. 离线安装指导

1.yum源配置

请配置everything的yum源 https://repo.huaweicloud.com/openeuler/openEuler-20.03-LTS/ISO/aarch64/

2.gem 配置

去https://gems.ruby-china.com/ 下载以下gem依赖 bundeler 2.2.33, diff-lcs 1.5.0, minitest 5.15.0 concurrent-ruby 1.1.10, docile 1.4.0, rchardet 1.8.0, gnuplot 2.6.2, parallel 1.22.1, public_suffix 4.0.7, regexp_parser 2.6.0, rexml 3.2.5, ast 2.4.2, rainbow 3.1.1, rspec-support 3.12.0, ruby-progressbar 1.11.0, unicode-display_width 2.3.0, git 1.7.0, simplecov_json_formatter 0.1.4, simplecov-html 0.12.3, rspec-core 3.12.0, rspec-expectations 3.12.0, rspec-mocks 3.12.0, i18n 1.12.0, builder 3.2.4, sync 0.5.0, tzinfo 2.0.5, rspec 3.12.0, ci_reporter 2.0.0, ci_reporter_rspec 1.0.0, parser 3.1.2.1, tins 1.31.1, term-ansicolor 1.7.1, rubocop 1.12.1, simplecov 0.21.2, simplecov-rcov 0.3.1 将以上依赖放到 /usr/share/gems/gems 并执行gem install --local 安装以上依赖

3.环境变量 配置

export PATH=$PATH:lkptest路径/lkp-tests/sbin:lkptest路径/lkp-tests/bin:lkptest路径/lkp-tests/sbin:lkptest路径/lkp-tests/bin export LKP_PATH=lkptest路径/lkp-tests export LKP_SRC=lkptest路径/lkp-tests

4.测试是否安装成功

```
lkp help
lkp install
```