# Centos6.5+lamp+itop2.1

# ITOP 安装文档

文档日期:2015-5-18

文档版本: v0.1

文档编号:

## 文档修订信息

文档名	称	ITOP	ITOP 安装文档			
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修订历	修订历史 (REVISION HISTORY)					
版本	修正章节	ī	日期	作者	变更纪录	
0.1			2015-5-15	张炳炎	初稿	

## 适用的对象

本文档适用 linux 初学者。

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说明:本文档主要描述 ITOP 对初学者的安装步骤。开始本文档所述安装步骤前,需确保所需硬件与网络环境已安装配置完成。

## 1 环境描述

服务器: vmware 虚拟机(内存 4G)

操作系统: Centos 6.5 64 位

IP 地址: 192.168.1.99

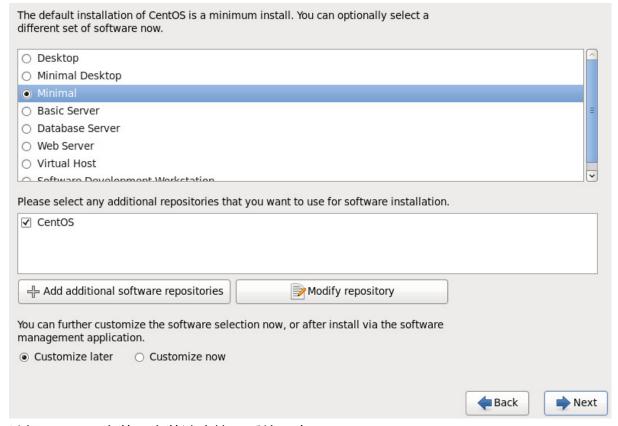
机器名:itop Itop版本:V2.1

Apache 版本:httpd-2.2.9 Mysql 版本:mysql-5.0.41

Php 版本: php-5.2.6

## 2 Centos6.5 操作系统安装与配置

## 2.1 安装操作系统



选择 minimal 安装。安装速度快,系统干净。

## 2.2 配置网络

[root@itop ~]# vi /etc/sysconfig/network-scripts/ifcfg-eth0

DEVICE=eth0

 HWADDR=00:0C:29:D7:C8:90

TYPE=Ethernet

UUID=c15956e7-2f48-4ba8-9dcd-ded45cf7611b

ONBOOT=yes // 激活网卡

NM CONTROLLED=no //关闭图形界面配置网络

BOOTPROTO=static //静态网络模式

IPADDR=192.168.1.99 NETMASK=255.255.255.0 GATEWAY=192.168.1.1 DNS1=211.138.24.66 DNS2=211.138.30.66

[root@itop~]# service network restart //重启网络服务

Shutting down interface eth0: [ OK ]
Shutting down loopback interface: [ OK ]
Bringing up loopback interface: [ OK ]

Bringing up interface eth0: Determining if ip address 192.168.1.99 is already in use for

device eth0...

[ OK ]

## 2.3 关闭防火墙

[root@itop~]# service iptables stop //关闭防火墙服务

iptables: Setting chains to policy ACCEPT: filter [ OK ]

iptables: Flushing firewall rules: [ OK ] iptables: Unloading modules: [ OK ]

[root@itop~]# chkconfig iptables off //开机不启动防火墙

[root@itop ~]# vi /etc/selinux/config

SELINUX=disabled

[root@itop~]# service network restart //重启网络服务

Shutting down interface eth0: [ OK ]
Shutting down loopback interface: [ OK ]
Bringing up loopback interface: [ OK ]

Bringing up interface eth0: Determining if ip address 192.168.1.99 is already in use for

device eth0...

[ OK ]

## 2.4 更改计算机名

## [root@itop ~]# vi /etc/sysconfig/network

HOSTNAME=itop

[root@itop ~]# hostname itop

[root@itop~]# su – root //重新登录 root 用户,并加载环境变量

[root@itop~]# //看到红色部分内容,修改成功。

## 2.5 配置本地源

首先要将 Centos 6.5 操作系统光盘放入光驱。

## [root@itop ~]# mount /dev/cdrom /media

mount: block device /dev/sr0 is write-protected, mounting read-only

### [root@itop ~]# cd /etc/yum.repos.d/ && Is

CentOS-Base.repo CentOS-Debuginfo.repo CentOS-Media.repo CentOS-Vault.repo

## [root@itop yum.repos.d]# mkdir repo && mv ./\*.repo ./repo/ && ls

Repo //创建 repo 文件夹,将以.repo 结尾的文件转移到 repo 文件夹,并显示

## [root@itop yum.repos.d]# touch base.repo && vi /etc/yum.repos.d/base.repo

[base]

name=base

baseurl=file:///media/

gpgcheck=0

#### [root@itop yum.repos.d]# yum clean all

Loaded plugins: fastestmirror

Cleaning repos: base Cleaning up Everything

### [root@itop yum.repos.d]# yum update

Loaded plugins: fastestmirror Determining fastest mirrors

base | 4.0 kB | 00:00 ...

base/primary db | 4.4 MB | 00:00 ...

Setting up Update Process No Packages marked for Update

#### [root@itop yum.repos.d]# yum repolist

Loaded plugins: fastestmirror

Loading mirror speeds from cached hostfile

repo id repo name status base 6,367

repolist: 6,367 //软件仓库名称 base , 看到软件包数量设置已经成功

#### [root@itop yum.repos.d]# yum search gcc

//测试搜索包含 gcc 字符软件包

Loaded plugins: fastestmirror

Loading mirror speeds from cached hostfile

======== N/S Matched: gcc ==============

gcc-c++.x86\_64 : C++ support for GCC gcc-gnat.x86\_64 : Ada 95 support for GCC gcc-java.x86\_64 : Java support for GCC

gcc-objc.x86\_64 : Objective-C support for GCC gcc-objc++.x86\_64 : Objective-C++ support for GCC libgcc.i686 : GCC version 4.4 shared support library libgcc.x86\_64 : GCC version 4.4 shared support library

mingw32-gcc.x86\_64 : MinGW Windows cross-compiler (GCC) for C compat-gcc-34.x86\_64 : Compatibility GNU Compiler Collection compat-gcc-34-c++.x86\_64 : C++ support for compatibility compiler

作者:张炳炎 电话:18937195128 ~ ~ 7 ~

compat-gcc-34-g77.x86 64: Fortran 77 support for compatibility compiler

gcc.x86 64: Various compilers (C, C++, Objective-C, Java, ...)

gcc-gfortran.x86\_64 : Fortran support libgcj.i686 : Java runtime library for gcc libgcj.x86 64 : Java runtime library for gcc

libgcj-devel.i686: Libraries for Java development using GCC libgcj-devel.x86\_64: Libraries for Java development using GCC libgcj-src.x86\_64: Java library sources from GCC4 preview

libgomp.i686 : GCC OpenMP v3.0 shared support library libgomp.x86\_64 : GCC OpenMP v3.0 shared support library

libmudflap.i686 : GCC mudflap shared support library libmudflap.x86\_64 : GCC mudflap shared support library

libmudflap-devel.i686 : GCC mudflap support libmudflap-devel.x86\_64 : GCC mudflap support

mingw32-gcc-c++.x86\_64: MinGW Windows cross-compiler for C++

mingw32-gcc-gfortran.x86\_64: MinGW Windows cross-compiler for FORTRAN

mingw32-gcc-objc.x86\_64 : MinGW Windows cross-compiler support for Objective C mingw32-gcc-objc++.x86 64 : MinGW Windows cross-compiler support for Objective C++

Name and summary matches only, use "search all" for everything.

## 3 安装 LAMP 环境及相关的软件包

## 3.1 上传软件包

## [root@itop /]# mkdir /soft && Is

bin dev home lib64 media opt root selinux srv tmp var boot etc lib lost+found mnt proc sbin soft sys usr

## 上传相关软件包到/soft

#### [root@itop/]# cd /soft && Is

autoconf-2.61.tar.gz libmcrypt-2.5.8.tar.gz php-5.2.6.tar.gz

freetype-2.3.5.tar.gz libpng-1.2.31.tar.gz phpMyAdmin-3.0.0-rc1-all-languages.tar.gz gd-2.0.35.tar.gz libxml2-2.6.30.tar.gz ZendOptimizer-3.3.9-linux-glibc23-x86\_64.tar.gz

httpd-2.2.9.tar.gz mysql-5.0.41.tar.gz zlib-1.2.3.tar.gz

jpegsrc.v6b.tar.gz ncurses-5.6.tar.gz

软件包下载地址http://dl.vmall.com/c0ua0omlgm 也可以到下面链接地址下载

#### httpd

- 1. 包名: httpd-2.2.15.tar.gz
- 2. 下载地址: http://httpd.apache.org/download.cgi
- 8. 包路径: http://labs.renren.com/apache-mirror/httpd/httpd-2.2.15.tar.gz

#### mysq1

1. 包名: mysql-5.1.48.tar.gz

2. http://www.mysql.com/downloads/mysql/ 3. http://mysql.byungsoo.net/Downloads/MySQL-5.1/mysql-5.1.48.tar.gz php 包名: php-5.3.2. tar. gz 2. http://www.php.net/downloads.php 3. http://cn2.php.net/get/php-5.3.2.tar.gz/from/cn.php.net/mirror libxm12 包名: libxml2-2.6.30-.tar.gz 2. http://ftp.gnome.org/pub/GNOME/sources/libxml2 http://ftp.acc.umu.se/pub/GNOME/sources/libxml2/2.6/libxml2-2.6.30.tar.gz libxslt 包名: libxslt-1.1.22.tar.gz 2. http://ftp.acc.umu.se/pub/GNOME/sources/libxslt/ 3. http://ftp.acc.umu.se/pub/GNOME/sources/libxslt/1.1/libxslt-1.1.22.tar.gz curl 包名: curl-7.20.1.tar.gz http://curl.haxx.se/download/ 2. http://curl.haxx.se/download/curl-7.20.1.tar.gz 3. gd2包名: gd-2.0.35.tar.gz 1. 2. http://www.libgd.org/releases/ http://www.libgd.org/releases/gd-2.0.35.tar.gz 3. freetype 1. 包名: freetype-2.3.12.tar.gz 2. http://sourceforge.net/projects/freetype/files/ http://sourceforge.net/projects/freetype/files/freetype2/2.3.12/freetype-2.3.1 2. tar. gz/download jpeg 包名: jpegsrc.v8b.tar.gz 1. 2. http://ijg.org/files/ http://ijg.org/files/jpegsrc.v8b.tar.gz libpng

包名: libpng-1.4.2.tar.gz

- 2. http://www.libpng.org/pub/png/libpng.html
- 3. http://download.sourceforge.net/libpng/libpng-1.4.2.tar.gz

#### zlib

- 1. 包名: gd-2.0.35.tar.gz
- 2. http://www.zlib.net/
- 3. http://zlib.net/zlib-1.2.5.tar.gz

#### cronolog

- 1. 包名: cronolog-1.6.2. tar. gz
- 2. http://cronolog.org/download/index.html
- 3. http://cronolog.org/download/cronolog-1.6.2.tar.gz

#### libmcrypt

- 1. 包名: libmcrypt-2.5.8.tar.gz
- 2. http://sourceforge.net/projects/mcrypt/files/Libmcrypt/
- 3. http://sourceforge.net/projects/mcrypt/files/Libmcrypt/2.5.8/libmcrypt-2.5.8.tar.gz/download

#### oracle

1. 包名:

```
oracle-instantclient11. 2-basic-11. 2. 0. 1. 0-1. x86_64. zip, oracle-instantclient11. 2-sqlplus-11. 2. 0. 1. 0-1. x86_64. zip, oracle-instantclient11. 2-sdk-11. 2. 0. 1. 0-1. x86_64. zip
```

- 2. http://www.oracle.com/technology/software/tech/oci/instantclient/htdocs/linuxx8 6\_64soft.html
- 3. http://sourceforge.net/projects/mcrypt/files/Libmcrypt/2.5.8/libmcrypt-2.5.8.ta r.gz/download

## 将所有软件包解压(以解压 php-5.2.6.tar.gz 为例)

### [root@itop soft]# tar zxvf php-5.2.6.tar.gz

#### ....

php-5.2.6/README.PARAMETER\_PARSING\_API

php-5.2.6/acconfig.h

php-5.2.6/README.PHP4-TO-PHP5-THIN-CHANGES

php-5.2.6/CREDITS

php-5.2.6/README.UPDATE\_5\_2

php-5.2.6/README.UNIX-BUILD-SYSTEM

php-5.2.6/buildconf.bat

#### [root@itop soft]# ls

php-5.2.6 php-5.2.6.tar.gz

## [root@itop soft]# rm -rf php-5.2.6.tar.gz

解压所有软件包,并删除压缩文件,结果如下

~ 11 ~

[root@itop soft]# ls						
autoconf-2.61 jpe	eg-6b mysql-5.0.41	ZendOptimizer-3.3.9-linux-glibc23-				
x86_64						
freetype-2.3.5 libr	zlib-1.2.3					
gd-2.0.35 libpn	g-1.2.31 php-5.2.6					
httpd-2.2.9 libxr	nl2-2.6.30 phpMyAdmin-3.0.0	-rc1-all-languages				

安装顺序基本为支持软件包-Apache-mysql-php

## 3.2 安装 libxml2 软件包

[root@itop soft]# cd libxml2-2.6.30/ && ls							
acconfig.h	doc	macos testAutomata.c uri.c					
acinclude.m4	DOCBparser.c	Makefile.am testC14N.c valid.c					
aclocal.m4	elfgcchack.h	Makefile.in testdso.c vms					
AUTHORS	encoding.c	Makefile.tests testHTML.c win32					
bakefile	entities.c	missing testModule.c xinclude.c					
c14n.c	error.c	mkinstalldirs testReader.c xlink.c					
catalog.c	example	nanoftp.c testRegexp.c xml2-config.1					
ChangeLog	gentest.py	nanohttp.c testRelax.c xml2-config.in					
check-relaxng-tes	check-relaxng-test-suite2.py genUnicode.py NEWS testSAX.c						
xml2Conf.sh.in							
check-relaxng-tes	st-suite.py globals.c	parser.c testSchemas.c					
xmlcatalog.c							
check-xinclude-test-suite.py hash.c parserInternals.c testThreads.c xmlIO.c							
check-xml-test-su	ite.py HTMLpars	ser.c pattern.c testThreadsWin32.c					
xmllint.c							
	check-xsddata-test-suite.py HTMLtree.c python testURI.c						
xmlmemory.c							
chvalid.c	include	README testXPath.c xmlmodule.c					
config.guess	INSTALL	README.tests threads.c xmlreader.c					
config.h.in	install-sh	regressions.py TODO xmlregexp.c					
_	config.sub legacy.c regressions.xml TODO_SCHEMAS xmlsave.c						
configure	libxml-2.0.pc.in	relaxng.c tree.c xmlschemas.c					
	configure.in libxml-2.0-uninstalled.pc.in result trio.c						
xmlschemastypes.c							
COPYING	libxml2.spec	runsuite.c triodef.h xmlstring.c					
Copyright	libxml.3	runtest.c trio.h xmlunicode.c					
dbgenattr.pl	libxml.h	SAX2.c trionan.c xmlwriter.c					
dbgen.pl	libxml.m4	SAX.c trionan.h xpath.c					
debugXML.c	libxml.spec.in	schematron.c triop.h xpointer.c					
depcomp	list.c	test triostr.c xstc					
dict.c	ltmain.sh	testapi.c triostr.h					

## [root@itop libxml2-2.6.30]# ./configure --prefix=/usr/local/libxml2 //prefix 指定安装路径

checking build system type... x86\_64-redhat-linux-gnu checking host system type... x86\_64-redhat-linux-gnu checking for a BSD-compatible install... /usr/bin/install -c checking whether build environment is sane... yes

```
checking for gawk... gawk
checking whether make sets $(MAKE)... yes
checking for gcc... no
checking for cc... no
checking for cc... no
checking for cl... no
configure: error: no acceptable C compiler found in $PATH //错误提示需安装 gcc
See 'config.log' for more details.
[root@itop libxml2-2.6.30]# yum -y install gcc
Installed:
 gcc.x86_64 0:4.4.7-4.el6
Dependency Installed:
 cloog-ppl.x86 64 0:0.15.7-1.2.el6 cpp.x86 64 0:4.4.7-4.el6
                                                                        glibc-devel.x86 64
0:2.12-1.132.el6
 glibc-headers.x86 64
                                                 kernel-headers.x86 64
                                                                           0:2.6.32-431.el6
                         0:2.12-1.132.el6
libgomp.x86 64 0:4.4.7-4.el6
 mpfr.x86 64 0:2.4.1-6.el6
                                  ppl.x86 64 0:0.10.2-11.el6
Complete!
[root@itop libxml2-2.6.30]# ./configure --prefix=/usr/local/libxml2
                                                                         //重新编译
config.status: creating libxml-2.0.pc
config.status: creating libxml-2.0-uninstalled.pc
config.status: creating python/setup.py
config.status: creating config.h
config.status: executing depfiles commands
Done configuring
                                                                       //编译及安装
[root@itop libxml2-2.6.30]# make && make install
等待一会
Making install in example
make[1]: Entering directory `/soft/libxml2-2.6.30/example'
make[2]: Entering directory `/soft/libxml2-2.6.30/example'
make[2]: Nothing to be done for `install-exec-am'.
make[2]: Nothing to be done for `install-data-am'.
make[2]: Leaving directory `/soft/libxml2-2.6.30/example'
make[1]: Leaving directory `/soft/libxml2-2.6.30/example'
Making install in xstc
make[1]: Entering directory `/soft/libxml2-2.6.30/xstc'
make[2]: Entering directory `/soft/libxml2-2.6.30/xstc'
```

make[2]: Nothing to be done for `install-exec-am'. make[2]: Nothing to be done for `install-data-am'. make[2]: Leaving directory `/soft/libxml2-2.6.30/xstc'

make[1]: Leaving directory `/soft/libxml2-2.6.30/xstc'

//无错误提示表示成功

[root@itop libxml2-2.6.30]# cd /usr/local/libxml2/ && Is

//指定安装目录查看

bin include lib man share

//安装成功至少应有显示文件

## 3.3 安装 libmcrypt 软件包

## [root@itop libxml2]# cd /soft/libmcrypt-2.5.8/ && ls

acinclude.m4 buildconf config.log COPYING.LIB install-sh libmcrypt.spec.in

Makefile.in README

aclocal.m4 ChangeLog config.status depcomp KNOWN-BUGS libtool

missing src

AUTHORS config.guess config.sub doc lib Itmain.sh mkinstalldirs

stamp-h1

autom4te.cache config.h configure include libltdl Makefile modules

**THANKS** 

autoscan.log config.h.in configure.in INSTALL libmcrypt.spec Makefile.am NEWS

## TODO

## [root@itop libmcrypt-2.5.8]# ./configure --prefix=/usr/local/libmcrypt

.....

checking for xIC\_r... no

checking for xIC... no

checking for C++ compiler default output file name... configure: error: C++ compiler cannot

create executables //错误提示需安装 gcc-c++软件包

See `config.log' for more details.

## [root@itop libmcrypt-2.5.8]# yum -y install gcc-c++

Installed:

gcc-c++.x86 64 0:4.4.7-4.el6

Dependency Installed:

libstdc++-devel.x86 64 0:4.4.7-4.el6

#### Complete!

## [root@itop libmcrypt-2.5.8]# ./configure --prefix=/usr/local/libmcrypt //重新编译

•••••

config.status: creating Makefile

config.status: creating libmcrypt.spec config.status: creating lib/Makefile config.status: creating doc/Makefile config.status: creating src/Makefile

config.status: creating include/mutils/mcrypt.h

config.status: creating include/Makefile config.status: creating modules/Makefile

config.status: creating modules/modes/Makefile config.status: creating modules/algorithms/Makefile

config.status: creating lib/libmcrypt-config

config.status: creating config.h

```
config.status: executing depfiles commands config.status: executing default-1 commands
```

### [root@itop libmcrypt-2.5.8]# make && make install

```
.....
```

```
make[2]: Leaving directory `/soft/libmcrypt-2.5.8/doc' make[1]: Leaving directory `/soft/libmcrypt-2.5.8/doc' make[1]: Entering directory `/soft/libmcrypt-2.5.8'
```

make[2]: Entering directory `/soft/libmcrypt-2.5.8'

make[2]: Nothing to be done for `install-exec-am'.

make[2]: Nothing to be done for `install-data-am'.

make[2]: Leaving directory `/soft/libmcrypt-2.5.8'

make[1]: Leaving directory `/soft/libmcrypt-2.5.8'

## [root@itop libmcrypt-2.5.8]# cd /usr/local/libmcrypt/ && Is

bin include lib man share

## 3.4 安装 zlib 软件包

## [root@itop libmcrypt]# cd /soft/zlib-1.2.3/ && ls

```
adler32.c compress.c deflate.c gzio.c inffixed.h Makefile old trees.h zlib.3 algorithm.txt configure deflate.h INDEX inflate.c Makefile.in projects uncompr.c zlib.h
```

amiga contrib example.c infback.c inflate.h make\_vms.com qnx win32 zutil.c

as400 crc32.c examples inffast.c inftrees.c minigzip.c README zconf.h zutil.h ChangeLog crc32.h FAQ inffast.h inftrees.h msdos trees.c zconf.in.h

#### [root@itop zlib-1.2.3]# ./configure --prefix=/usr/local/zlib

Checking for gcc...

Building static library libz.a version 1.2.3 with gcc.

Checking for unistd.h... Yes.

Checking whether to use vs[n]printf() or s[n]printf()... using vs[n]printf()

Checking for vsnprintf() in stdio.h... Yes.

Checking for return value of vsnprintf()... Yes.

Checking for errno.h... Yes.

Checking for mmap support... Yes.

#### [root@itop zlib-1.2.3]# make && make install

```
.....
```

cp zlib.3 /usr/local/zlib/share/man/man3

chmod 644 /usr/local/zlib/share/man/man3/zlib.3

#### [root@itop zlib-1.2.3]# cd /usr/local/zlib/ && ls

include lib share

## 3.5 安装 libpng 软件包

```
[root@itop zlib]# cd /soft/libpng-1.2.31/ && ls
aclocal.m4
              configure
                            KNOWNBUG
                                                    Makefile.in
                                                                  pngconf.h
                                                                               pngpread.c
pngtest.png projects
ANNOUNCE
               configure.ac libpng-1.2.31.txt missing
                                                         pngerror.c pngread.c pngtrans.c
RFADMF
autogen.sh
              contrib
                          libpng.3
                                           mkinstalldirs pnggccrd.c pngrio.c
                                                                                pngvcrd.c
scripts
CHANGES
             depcomp
                          libpngpf.3
                                                    pngget.c pngrtran.c pngwio.c
                                         png.5
pngtest.sh
config.guess example.c
                           LICENSE
                                            pngbar.jpg
                                                          png.h
                                                                     pngrutil.c pngwrite.c
TODO
config.h.in INSTALL
                        Itmain.sh
                                         pngbar.png
                                                       pngmem.c
                                                                    pngset.c
                                                                               pngwtran.c
Y2KINFO
config.sub install-sh Makefile.am
                                       png.c
                                                  pngnow.png pngtest.c pngwutil.c
[root@itop libpng-1.2.31]# ./configure --prefix=/usr/local/libpng
checking for size t... yes
checking whether struct tm is in sys/time.h or time.h... time.h
checking for working strtod... yes
checking for memset... yes
checking for pow... no
checking for pow in -lm... yes
checking for zlibVersion in -lz... no
configure: error: zlib not installed
                                                    //解决问题需更改环境变量
[root@itop libpng-1.2.31]# cd /soft/zlib-1.2.3
[root@itop zlib-1.2.3]# make clean
[root@itop zlib-1.2.3]# ./configure
[root@itop zlib-1.2.3]# make && make install
[root@itop zlib-1.2.3]#cd /soft/ libpng-1.2.31
[root@itop libpng-1.2.31]# ./configure --prefix=/usr/local/libpng
                                                                  //重新编译
checking for symbol prefix...
configure: pkgconfig directory is ${libdir}/pkgconfig
configure: creating ./config.status
config.status: creating Makefile
config.status: creating libpng.pc
config.status: creating libpng-config
config.status: creating config.h
config.status: executing depfiles commands
config.status: executing libtool commands
[root@itop libpng-1.2.31]# make && make install
                                 //需要安装 zlib-dev 软件包
/usr/bin/ld: cannot find –lz
```

作者:张炳炎 电话:18937195128 ~ 15 ~

collect2: Id returned 1 exit status make[1]: \*\*\* [libpng12.la] Error 1

make[1]: Leaving directory `/soft/libpng-1.2.31'

make: \*\*\* [all] Error 2

## [root@itop libpng-1.2.31]# yum -y install zlib-devel.x86\_64

Installed:

zlib-devel.x86\_64 0:1.2.3-29.el6

Complete!

## [root@itop libpng-1.2.31]# make clean

//清除编译内容

rm -f pngtest pngtest

test -z "pngout.png libpng12.pc libpng12-config libpng.vers libpng.sym" || rm -f pngout.png libpng12.pc libpng12-config libpng.vers libpng.sym

test -z "libpng12.la libpng.la" || rm -f libpng12.la libpng.la

rm -f "./so\_locations"

rm -f "./so\_locations"

rm -rf .libs \_libs

rm -f \*.o

rm -f \*.lo

## [root@itop libpng-1.2.31]# make && make install

.....

make install-data-hook

make[2]: Entering directory `/soft/libpng-1.2.31'

cd /usr/local/libpng/include; rm -f png.h pngconf.h

cd /usr/local/libpng/include; In -s libpng12/png.h png.h

cd /usr/local/libpng/include; In -s libpng12/pngconf.h pngconf.h

cd /usr/local/libpng/lib/pkgconfig; rm -f libpng.pc

cd /usr/local/libpng/lib/pkgconfig; In -s libpng12.pc libpng.pc

make[2]: Leaving directory `/soft/libpng-1.2.31'

make[1]: Leaving directory `/soft/libpng-1.2.31'

## [root@itop libpng-1.2.31]# cd /usr/local/libpng/ && Is

bin include lib share

## 3.6 安装 jpeg6 软件包

[root@itop	ibpng]# cd /s	oft/jpeg-6b/	&& Is			
ansi2knr.1	jcapimin.c	jconfig.sa	as jdhuff.h	jinclude.h	Itconfig	makljpeg.st
testprog.jpg ansi2knr.c	jcapistd.c	jconfig.st	jdinput.c	jmemansi.c	ltmain.sh	maktjpeg.st
transupp.c cderror.h	jccoefct.c	jconfig.vc j	dmainct.c j	memdosa.asm	makcjpeg.st	makvms.opt
transupp.h cdjpeg.c	jccolor.c	jconfig.vm:	s jdmarker.	.c jmemdos.c	makdjpeg.	.st rdbmp.c
usage.doc cdjpeg.h wizard.doc	jcdctmgr.c	jconfig.wat	jdmaster.c	jmemmac.c	makeapps.ds	rdcolmap.c
change.log	jchuff.c	jcparam.o	jdmerg	e.c jmemmg	r.c makefil	e.ansi rdgif.c

```
wrbmp.c
cjpeg.1
             ichuff.h
                        icphuff.c
                                   idphuff.c imemname.c
                                                              makefile.bcc
                                                                            rdjpgcom.1
wrgif.c
             jcinit.c
                        jcprepct.c jdpostct.c jmemnobs.c
                                                              makefile.cfg
cjpeg.c
                                                                            rdjpgcom.c
wrjpgcom.1
ckconfig.c
             jcmainct.c
                          jcsample.c jdsample.c jmemsys.h
                                                                 makefile.dj
                                                                               rdppm.c
wrjpgcom.c
coderules.doc jcmarker.c
                            ictrans.c
                                        idtrans.c imorecfg.h
                                                                 makefile.manx rdrle.c
wrppm.c
config.guess jcmaster.c
                          jdapimin.c
                                       jerror.c
                                                 jpegint.h
                                                              makefile.mc6
                                                                             rdswitch.c
wrrle.c
config.sub
              jcomapi.c
                           jdapistd.c
                                       jerror.h
                                                 jpeglib.h
                                                              makefile.mms
                                                                              rdtarga.c
wrtarga.c
configure
          jconfig.bcc jdatadst.c jfdctflt.c jpegtran.1 makefile.sas README
djpeg.1
           jconfig.cfg jdatasrc.c jfdctfst.c jpegtran.c makefile.unix structure.doc
djpeg.c
          jconfig.dj jdcoefct.c jfdctint.c jquant1.c makefile.vc testimg.bmp
           jconfig.doc jdcolor.c jidctflt.c jquant2.c makefile.vms testimg.jpg
example.c
                                                  makefile.wat testimgp.jpg
filelist.doc jconfig.mac jdct.h
                               jidctfst.c jutils.c
install.doc jconfig.manx jddctmgr.c jidctint.c jversion.h makelib.ds
                                                                     testimg.ppm
install-sh jconfig.mc6 jdhuff.c jidctred.c libjpeg.doc makeproj.mac testorig.jpg
```

## 因为此软件包配置文件不会自动创建安装目录,安装目录需手动创建

```
[root@itop jpeg-6b]# mkdir /usr/local/jpeg6
[root@itop jpeg-6b]# mkdir /usr/local/jpeg6/bin
[root@itop jpeg-6b]# mkdir /usr/local/jpeg6/lib
[root@itop jpeg-6b]# mkdir /usr/local/jpeg6/include
[root@itop jpeg-6b]# mkdir -p /usr/local/jpeg6/man/man1
[root@itop jpeg-6b]# ./configure \
                                              //\符合表示换行
> --prefix=/usr/local/jpeg6/ \
                                              //指定安装位置
                                             //建立共享库使用的 GNU 的 libtool
> --enable-shared \
                                             //建立静态库使用的 GNU 的 libtool
> --enable-static
checking libjpeg version number... 62
creating ./config.status
creating Makefile
```

## [root@itop jpeg-6b]# make && make install

./libtool --mode=compile gcc -O2 -I /usr/local/zlib/include -I. -c ./jcapimin.c make: ./libtool: Command not found //需要安装 libtool 软件包

make: \*\*\* [jcapimin.lo] Error 127

## [root@itop jpeg-6b]# yum -y install libtool

..... Installed:

creating jconfig.h

libtool.x86 64 0:2.2.6-15.5.el6

Dependency Installed:

autoconf.noarch 0:2.63-5.1.el6 perl.x86\_64 4:5.10.1-136.el6 perl-Pod-Escapes.x86\_64 1:1.04-136.el6 perl-libs.x86 64 4:5.10.1-136.el6 automake.noarch 0:1.11.1-4.el6 perl-Module-Pluggable.x86\_64 1:3.90-136.el6 perl-Pod-Simple.x86\_64 1:3.13-136.el6 perl-version.x86 64 3:0.77-136.el6

#### Complete!

## [root@itop jpeg-6b]# cp /usr/share/libtool/config/config.sub . //复制文件到当前文件

cp: overwrite `./config.sub'? y

//按 y , 确认覆盖当前目录下文件

## [root@itop jpeg-6b]# cp /usr/share/libtool/config/config.guess . //复制文件到当前文件

cp: overwrite `./config.guess'? y

//按 y , 确认覆盖当前目录下文件

## [root@itop jpeg-6b]# make clean

rm -f \*.o \*.lo libjpeg.a libjpeg.la

rm -f cjpeg djpeg jpegtran rdjpgcom wrjpgcom

rm -f ansi2knr core testout\* config.log config.status

rm -f -r knr .libs \_libs

## [root@itop jpeg-6b]# ./configure --prefix=/usr/local/jpeg6/ --enable-shared --enable-static

.....

checking whether to build static libraries... yes

checking for objdir... .libs

creating libtool

checking libjpeg version number... 62

creating ./config.status

creating Makefile

creating jconfig.h

jconfig.h is unchanged

## [root@itop jpeg-6b]# make && make install

.....

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

-----

./libtool --mode=install /usr/bin/install -c cjpeg /usr/local/jpeg6//bin/cjpeg

/usr/bin/install -c .libs/cjpeg /usr/local/jpeg6//bin/cjpeg

./libtool --mode=install /usr/bin/install -c djpeg /usr/local/jpeg6//bin/djpeg

/usr/bin/install -c .libs/djpeg /usr/local/jpeg6//bin/djpeg

./libtool --mode=install /usr/bin/install -c jpegtran /usr/local/jpeg6//bin/jpegtran

/usr/bin/install -c .libs/jpegtran /usr/local/jpeg6//bin/jpegtran

./libtool --mode=install /usr/bin/install -c rdjpgcom /usr/local/jpeg6//bin/rdjpgcom

/usr/bin/install -c rdjpgcom /usr/local/jpeg6//bin/rdjpgcom

./libtool --mode=install /usr/bin/install -c wrjpgcom /usr/local/jpeg6//bin/wrjpgcom

/usr/bin/install -c wripgcom /usr/local/jpeg6//bin/wripgcom

/usr/bin/install -c -m 644 ./cjpeg.1 /usr/local/jpeg6//man/man1/cjpeg.1

/usr/bin/install -c -m 644 ./djpeg.1 /usr/local/jpeg6//man/man1/djpeg.1

/usr/bin/install -c -m 644 ./jpegtran.1 /usr/local/jpeg6//man/man1/jpegtran.1

/usr/bin/install -c -m 644 ./rdjpgcom.1 /usr/local/jpeg6//man/man1/rdjpgcom.1

/usr/bin/install -c -m 644 ./wrjpgcom.1 /usr/local/jpeg6//man/man1/wrjpgcom.1

## [root@itop jpeg-6b]# cd /usr/local/jpeg6/ && Is

bin include lib man

## [root@itop jpeg6]# cd bin && ls

cjpeg djpeg jpegtran rdjpgcom wrjpgcom

## 3.7 安装 freetype (字体库)软件包

## [root@itop bin]# cd /soft/freetype-2.3.5/ && Is

autogen.sh ChangeLog.20 configure include Makefile README version.sed builds ChangeLog.21 devel Jamfile modules.cfg README.CVS vms\_make.com ChangeLog ChangeLog.22 docs Jamrules objs src

## [root@itop freetype-2.3.5]# ./configure --prefix=/usr/local/freetype

.....

checking for Id used by g++... /usr/bin/Id -m elf\_x86\_64

checking if the linker (/usr/bin/ld -m elf x86 64) is GNU ld... yes

checking whether the g++ linker (/usr/bin/ld -m elf x86 64) supports shared libraries... yes

checking for g++ option to produce PIC... -fPIC

checking if g++ PIC flag -fPIC works... yes

checking if g++ static flag -static works... no

checking if g++ supports -c -o file.o... yes

checking whether the g++ linker (/usr/bin/ld -m elf x86 64) supports shared libraries... yes

checking dynamic linker characteristics... GNU/Linux ld.so

checking how to hardcode library paths into programs... immediate

appending configuration tag "F77" to libtool

configure: creating ./config.status config.status: creating unix-cc.mk config.status: creating unix-def.mk config.status: creating freetype-config config.status: creating freetype2.pc config.status: creating ftconfig.h make: Nothing to be done for `unix'.

## [root@itop freetype-2.3.5]# make && make install

•••••

rmdir: failed to remove `/usr/local/freetype/include/freetype2/freetype/internal': No such

file or directory

make: [install] Error 1 (ignored)

//错误不影响安装

~ 19 ~

/usr/bin/install -c -m 644 ./builds/unix/ft2unix.h \

/usr/local/freetype/include/ft2build.h

/usr/bin/install -c -m 644 ./builds/unix/ftconfig.h

/usr/local/freetype/include/freetype2/freetype/config/ftconfig.h

/usr/bin/install -c -m 644 /soft/freetype-2.3.5/objs/ftmodule.h

/usr/local/freetype/include/freetype2/freetype/config/ftmodule.h

/usr/bin/install -c -m 755 ./builds/unix/freetype-config \

/usr/local/freetype/bin/freetype-config

/usr/bin/install -c -m 644 ./builds/unix/freetype2.m4 \

/usr/local/freetype/share/aclocal/freetype2.m4

/usr/bin/install -c -m 644 ./builds/unix/freetype2.pc \
/usr/local/freetype/lib/pkgconfig/freetype2.pc

[root@itop freetype-2.3.5]# cd /usr/local/freetype/ && Is

bin include lib share

## 3.8 安装 autoconf 软件包

## [root@itop freetype]# cd /soft/autoconf-2.61/ && Is

aclocal.m4 build-aux ChangeLog.2 COPYING lib Makefile.in **README** ChangeLog config AUTHORS doc m4 Makefile.maint tests ChangeLog.0 configure GNUmakefile Makefile.am man bin **THANKS BUGS** ChangeLog.1 configure.ac INSTALL Makefile.cfg NEWS **TODO** 

## [root@itop autoconf-2.61]# ./configure

## //直接安装到默认库,不用指定路径

.....

config.status: creating tests/Makefile config.status: creating tests/atlocal config.status: creating man/Makefile config.status: creating lib/emacs/Makefile

config.status: creating Makefile config.status: creating doc/Makefile config.status: creating lib/Makefile

config.status: creating lib/Autom4te/Makefile config.status: creating lib/autoscan/Makefile config.status: creating lib/m4sugar/Makefile config.status: creating lib/autoconf/Makefile config.status: creating lib/autotest/Makefile

config.status: creating bin/Makefile

config.status: executing tests/atconfig commands

#### [root@itop autoconf-2.61]# make && make install

.....

make[2]: Leaving directory `/soft/autoconf-2.61/doc' make[1]: Leaving directory `/soft/autoconf-2.61/doc'

Making install in tests

make[1]: Entering directory `/soft/autoconf-2.61/tests'

make[2]: Entering directory `/soft/autoconf-2.61'

make[2]: Leaving directory `/soft/autoconf-2.61'

make[2]: Entering directory `/soft/autoconf-2.61/tests'

make[3]: Entering directory `/soft/autoconf-2.61'

make[3]: Leaving directory `/soft/autoconf-2.61'

make[2]: Nothing to be done for `install-exec-am'.

make[2]: Nothing to be done for `install-data-am'.

make[2]: Leaving directory `/soft/autoconf-2.61/tests'

make[1]: Leaving directory `/soft/autoconf-2.61/tests'

## 3.9 安装 GD 库软件包(处理图像)

## [root@itop autoconf-2.61]# cd /soft/gd-2.0.35/ && Is

aclocal.m4 entities.tcl gdfontl.c gdhelpers.c gd topal.c pngtogd2.c

作者: 张炳炎 电话: 18937195128 ~ 20 ~

```
annotate.c
                         gdfontl.h
                                    gdhelpers.h gdtopng.c
             err.out
                                                             pngtogd.c
bdftogd
            fontconfigtest.c gdfontmb.c gd io.c
                                                   gd wbmp.c
                                                                 README-JPEG.TXT
circletexttest.c fontsizetest.c gdfontmb.h gd io dp.c gdxpm.c
                                                                  readme.jpn
            fontwheeltest.c gdfonts.c gd_io_file.c gifanimtest.c README.TESTING
cmake
CMakeLists.txt gd2copypal.c
                              gdfonts.h gd io.h
                                                    giftogd2.c
                                                                README.TXT
config
           gd2time.c
                         gdfontt.c gd io ss.c index.html
                                                            strlcpy.c
config.h.cmake gd2togif.c
                             gdfontt.h gd jpeg.c
                                                    INSTALL
                                                               test
config.hin
             gd2topng.c
                           gdft.c
                                    gdkanji.c
                                                install-item testac.c
configure
             gd.c
                        gdfx.c
                                 gdparttopng.c install-sh
                                                         tests
configure.ac
              gdcache.c
                            gdfx.h
                                     gd png.c
                                                 jisx0208.h
                                                            testtr.c
COPYING
              gdcache.h
                            gd gd2.c
                                       gd security.c Makefile.am VMS
demoin.png
               gdcmpgif.c
                             gd gd.c
                                       gd ss.c
                                                  Makefile.in wbmp.c
depcomp
              gddemo.c
                            gd_gif_in.c gdtables.c missing
                                                               wbmp.h
entities.h
            gdfontg.c
                          gd gif out.c gdtest.c
                                                 mkinstalldirs webpng.c
entities.html gdfontg.h
                           gd.h
                                    gdtestft.c
                                                NEWS
                                                           windows
```

```
[root@itop gd-2.0.35]# ./configure \ //配置命令 //指定软件安装的位置 //指定软件安装的位置 //指定到哪去找 zlib 库文件的位置 //指定到哪去找 jpeg 库文件的位置 //指定到哪去找 png 库文件的位置 //指定到哪找 freetype 2.x 字体库的位置 //指定到哪找 freetype 2.x 字体库的位置
```

Support for PNG library: yes
Support for JPEG library: yes
Support for Freetype 2.x library: yes
Support for Fontconfig library: no
Support for Xpm library: no
Support for pthreads: yes

configure: creating ./config.status config.status: creating Makefile config.status: creating config/Makefile config.status: creating config/gdlib-config config.status: creating test/Makefile config.status: creating config.h

config.status: executing depfiles commands

## $[root@itop\ gd-2.0.35] \#\ make\ \&\&\ make\ install$

```
gd_png.c:529: error: 'jmpbuf_wrapper' has no member named 'jmpbuf' gd_png.c:537: error: 'gdPngWriteData' undeclared (first use in this function) gd_png.c:538: error: 'gdPngFlushData' undeclared (first use in this function) gd_png.c:595: error: 'PNG_INTERLACE_ADAM7' undeclared (first use in this function) gd_png.c:595: error: 'PNG_INTERLACE_NONE' undeclared (first use in this function) gd_png.c:602: error: 'PNG_COLOR_TYPE_RGB_ALPHA' undeclared (first use in this function)
```

```
gd png.c:603: error: 'PNG COMPRESSION TYPE DEFAULT' undeclared (first use in this
function)
gd png.c:604: error: 'PNG FILTER TYPE DEFAULT' undeclared (first use in this function)
gd_png.c:609: error: 'PNG_COLOR_TYPE_RGB' undeclared (first use in this function)
gd png.c:617: error: 'PNG COLOR TYPE PALETTE' undeclared (first use in this function)
gd png.c:623: error: 'trans rgb value' undeclared (first use in this function)
gd png.c:672: error: 'trans values' undeclared (first use in this function)
gd png.c:694: error: 'palette' undeclared (first use in this function)
gd png.c:725: error: 'png bytep' undeclared (first use in this function)
gd png.c:725: error: 'row pointers' undeclared (first use in this function)
gd png.c:731: error: 'prow pointers' undeclared (first use in this function)
gd png.c:747: error: expected ')' before 'gdMalloc'
gd_png.c:804: error: expected ')' before 'gdMalloc'
make[2]: *** [gd png.lo] Error 1
make[2]: Leaving directory '/soft/gd-2.0.35'
make[1]: *** [all-recursive] Error 1
make[1]: Leaving directory `/soft/gd-2.0.35'
make: *** [all] Error 2
                                               //解决方法如下
[root@itop gd-2.0.35]# make clean
rm -f "./so locations"
rm -rf .libs libs
rm -f fontsizetest fontsizetest
rm -f fontwheeltest fontwheeltest
rm -f gdtest gdtest
rm -f gddemo gddemo
rm -f gd2time gd2time
rm -f gdtestft gdtestft
rm -f testac testac
rm -f circletexttest circletexttest
rm -f testtr testtr
rm -f fontconfigtest fontconfigtest
rm -f gifanimtest gifanimtest
rm -f *.o
rm -f *.lo
make[1]: Leaving directory `/soft/gd-2.0.35
[root@itop gd-2.0.35]#vi gd_png.c
将
#include "png.h"
替换成:
#include "/usr/local/libpng/include/png.h"
[root@itop gd-2.0.35]# ./configure --prefix=/usr/local/gd2/ --with-zlib=/usr/local/zlib/ --with-
jpeg=/usr/local/jpeg6/ --with-png=/usr/local/libpng/ --with-freetype=/usr/local/freetype/
configure: creating ./config.status
config.status: creating Makefile
```

作者: 张炳炎 电话: 18937195128

```
config.status: creating config/Makefile
config.status: creating config/gdlib-config
config.status: creating test/Makefile
config.status: creating config.h
config.status: config.h is unchanged
config.status: executing depfiles commands
[root@itop gd-2.0.35]# make && make install
.....
/usr/bin/install -c 'bdftogd' '/usr/local/gd2//bin/bdftogd'
/usr/bin/install -c 'config/gdlib-config' '/usr/local/gd2//bin/gdlib-config'
test -z "/usr/local/gd2//include" || mkdir -p -- "/usr/local/gd2//include"
/usr/bin/install -c -m 644 'gd.h' '/usr/local/gd2//include/gd.h'
/usr/bin/install -c -m 644 'gdfx.h' '/usr/local/gd2//include/gdfx.h'
/usr/bin/install -c -m 644 'gd io.h' '/usr/local/gd2//include/gd io.h'
/usr/bin/install -c -m 644 'gdcache.h' '/usr/local/gd2//include/gdcache.h'
/usr/bin/install -c -m 644 'gdfontg.h' '/usr/local/gd2//include/gdfontg.h'
/usr/bin/install -c -m 644 'gdfontl.h' '/usr/local/gd2//include/gdfontl.h'
/usr/bin/install -c -m 644 'gdfontmb.h' '/usr/local/gd2//include/gdfontmb.h'
/usr/bin/install -c -m 644 'gdfonts.h' '/usr/local/gd2//include/gdfonts.h'
/usr/bin/install -c -m 644 'gdfontt.h' '/usr/local/gd2//include/gdfontt.h'
/usr/bin/install -c -m 644 'entities.h' '/usr/local/gd2//include/entities.h'
make[2]: Leaving directory `/soft/gd-2.0.35'
make[1]: Leaving directory `/soft/gd-2.0.35'
```

## [root@itop gd-2.0.35]# cd /usr/local/gd2/ && Is

bin include lib

## 3.10 安装 apache 服务

```
[root@itop gd2]# cd /soft/httpd-2.2.9/ && Is
ABOUT APACHE
                   BuildAll.dsp
                                configure
                                             httpd.spec
                                                           libhttpd.dsp NOTICE
ROADMAP VERSIONING
acinclude.m4
               BuildBin.dsp configure.in include
                                                    LICENSE
                                                                NWGNUmakefile
server
Apache.dsw
             buildconf
                        docs
                                 INSTALL
                                            Makefile.in os
                                                                srclib
apachenw.mcp.zip CHANGES
                                emacs-style
                                             InstallBin.dsp Makefile.win README
support
build
          config.layout httpd.dsp LAYOUT
                                            modules
                                                      README.platforms test
                                         //配置命令
[root@itop httpd-2.2.9]# ./configure \
> --prefix=/usr/local/apache2 \
                                        //指定 apache 软件安装的位置
> --sysconfdir=/etc/httpd \
                                     //指定 apache 服务器的配置文件存放位置
> --with-z=/usr/local/zlib/ \
                                    //指定 zlib 库文件的位置
                                      //使用捆绑 APR/APR-Util 的副本
> --with-included-apr \
> --enable-so \
                                   //以动态共享对象(DSO)编译
                                   //缩小传输编码的支持
> --enable-deflate=shared \
                                   //期满头控制
> --enable-expires=shared \
```

```
//基于规则的 URL 操控
> --enable-rewrite=shared \
                                         //建立一个静态链接版本的支持
> --enable-static-support
config.status: creating support/apxs
config.status: creating support/apachectl
config.status: creating support/dbmmanage
config.status: creating support/envvars-std
config.status: creating support/log server status
config.status: creating support/logresolve.pl
config.status: creating support/phf abuse log.cgi
config.status: creating support/split-logfile
config.status: creating build/rules.mk
config.status: creating build/pkg/pkginfo
config.status: creating build/config vars.sh
config.status: creating include/ap config auto.h
config.status: executing default commands
[root@itop httpd-2.2.9]# make && make install
.....
a shared object; recompile with -fPIC
/usr/local/zlib//lib/libz.a: could not read symbols: Bad value
collect2: Id returned 1 exit status
make[4]: *** [mod deflate.la] Error 1
make[4]: Leaving directory `/soft/httpd-2.2.9/modules/filters'
make[3]: *** [shared-build-recursive] Error 1
make[3]: Leaving directory `/soft/httpd-2.2.9/modules/filters'
make[2]: *** [shared-build-recursive] Error 1
make[2]: Leaving directory `/soft/httpd-2.2.9/modules'
make[1]: *** [shared-build-recursive] Error 1
make[1]: Leaving directory `/soft/httpd-2.2.9'
make: *** [all-recursive] Error 1
                                           //解决方法如下
[root@itop httpd-2.2.9]# make clean
.....
rm -rf .libs
make[2]: Leaving directory `/soft/httpd-2.2.9/support'
make[1]: Leaving directory `/soft/httpd-2.2.9/support'
make[1]: Entering directory `/soft/httpd-2.2.9'
rm -f *.o *.lo *.slo *.obj *.a *.la httpd shared-build
make[1]: Leaving directory `/soft/httpd-2.2.9'
[root@itop httpd-2.2.9]# cd /soft/zlib-1.2.3/
[root@itop zlib-1.2.3]# make clean
[root@itop zlib-1.2.3]# CFLAGS="-O3 -fPIC" ./configure --prefix=/usr/local/zlib //使用 64 位
[root@itop zlib-1.2.3]# make && make install
[root@itop zlib-1.2.3]# make clean
```

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[root@itop httpd-2.2.9]# ./configure --prefix=/usr/local/apache2 --sysconfdir=/etc/httpd --with-z=/usr/local/zlib/ --with-included-apr --enable-so --enable-deflate=shared --enable-expires=shared --enable-rewrite=shared --enable-static-support //重新编译

[root@itop httpd-2.2.9]# make && make install

.....

Installing configuration files

mkdir /etc/httpd

mkdir /etc/httpd/extra

mkdir /etc/httpd/original

mkdir /etc/httpd/original/extra

Installing HTML documents

mkdir /usr/local/apache2/htdocs

Installing error documents

mkdir /usr/local/apache2/error

Installing icons

mkdir /usr/local/apache2/icons

mkdir /usr/local/apache2/logs

**Installing CGIs** 

mkdir /usr/local/apache2/cgi-bin

Installing header files

Installing build system files

Installing man pages and online manual

mkdir /usr/local/apache2/man

mkdir /usr/local/apache2/man/man1

mkdir /usr/local/apache2/man/man8

mkdir /usr/local/apache2/manual

make[1]: Leaving directory `/soft/httpd-2.2.9'

#### [root@itop httpd-2.2.9]# netstat -tnl

Active Internet connections (only servers)

Proto Recv-Q Send-Q Local Address Foreign Address State

tcp 0 0 0.0.0.0:22 0.0.0.0:\* LISTEN tcp 0 0 127.0.0.1:25 0.0.0.0:\* LISTEN

tcp 0 0 :::22 :::\* LISTEN

tcp 0 0::1:25 ::::\* LISTEN //无 80 端口 , apache 未启动

#### [root@itop httpd-2.2.9]# ls /usr/local/apache2/

bin build cgi-bin error htdocs icons include lib logs man manual modules

## [root@itop httpd-2.2.9]# ls /etc/httpd

extra httpd.conf magic mime.types original

## [root@itop httpd-2.2.9]# /usr/local/apache2/bin/apachectl start

httpd: apr sockaddr info get() failed for itop

httpd: Could not reliably determine the server's fully qualified domain name, using 127.0.0.1 for ServerName

## [root@itop httpd-2.2.9]# vi /etc/httpd/httpd.conf

添加一行

ServerName localhost

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[root@itop httpd]# /usr/local/apache2/bin/apachectl start [root@itop httpd]# /usr/local/apache2/bin/apachectl stop [root@itop httpd]# /usr/local/apache2/bin/apachectl start [root@itop httpd]# netstat -tnl 0 0 :::80 LISTEN tcp 🥑 火狐主页 http://192.168.1.99/ 192.168.1.99 🔼 最常访问 📴 火狐官方站点 🔃 新手上路 📙 常用网址 🔞 爱淘宝 ( 原淘宝特素 It works!

## 3.11 安装 mysql 数据库

[root@itop httpd]# cd /soft/mysql-5.0.41/ [root@itop mysql-5.0.41]# groupadd mysql [root@itop mysql-5.0.41]# useradd -g mysql mysql [root@itop mysql-5.0.41]# id mysql uid=500(mysql) gid=500(mysql) groups=500(mysql) [root@itop mysql-5.0.41]# ./configure \ > --prefix=/usr/local/mysql \ > --with-extra-charsets=all checking for nl langinfo and CODESET... yes checking for tgetent in -Incurses... no checking for tgetent in -lcurses... no checking for tgetent in -ltermcap... no checking for tgetent in -ltinfo... no checking for termcap functions library... configure: error: No curses/termcap library found //解决方法如下 [root@itop mysql-5.0.41]# yum -y install ncurses-devel **Running Transaction** 1/1 Installing: ncurses-devel-5.7-3.20090208.el6.x86 64 Verifying: ncurses-devel-5.7-3.20090208.el6.x86\_64 1/1 Installed: ncurses-devel.x86 64 0:5.7-3.20090208.el6

#### Complete!

[root@itop mysql-5.0.41]# ./configure \

- > --prefix=/usr/local/mysql \
- > --with-extra-charsets=all

config.status: creating usr/Makefile config.status: creating ib config.h

config.status: executing depfiles commands

MySQL has a Web site at http://www.mysql.com/ which carries details on the latest release, upcoming features, and other information to make your work or play with MySQL more productive. There you can also find information about mailing lists for MySQL discussion.

Remember to check the platform specific part of the reference manual for hints about installing MySQL on your platform. Also have a look at the files in the Docs directory.

Thank you for choosing MySQL!

## [root@itop mysql-5.0.41]#make && make install

.....

make[4]: Entering directory `/soft/mysql-5.0.41/server-tools/instance-manager'

test -z "/usr/local/mysql/libexec" || mkdir -p -- "/usr/local/mysql/libexec"

/bin/sh ../../libtool --preserve-dup-deps --mode=install /usr/bin/install -c 'mysqlmanager' '/usr/local/mysql/libexec/mysqlmanager'

/usr/bin/install -c mysqlmanager /usr/local/mysql/libexec/mysqlmanager

make[4]: Nothing to be done for `install-data-am'.

make[4]: Leaving directory `/soft/mysql-5.0.41/server-tools/instance-manager'

make[3]: Leaving directory `/soft/mysql-5.0.41/server-tools/instance-manager'

make[3]: Entering directory `/soft/mysql-5.0.41/server-tools'

make[4]: Entering directory `/soft/mysql-5.0.41/server-tools'

make[4]: Nothing to be done for `install-exec-am'.

make[4]: Nothing to be done for `install-data-am'.

make[4]: Leaving directory `/soft/mysql-5.0.41/server-tools'

make[3]: Leaving directory `/soft/mysql-5.0.41/server-tools'

make[2]: Leaving directory `/soft/mysql-5.0.41/server-tools'

make[1]: Leaving directory `/soft/mysql-5.0.41'

## 配置 mysql

## [root@itop~]# cp /soft/mysql-5.0.41/support-files/my-medium.cnf /etc/my.cnf

cp: overwrite `/etc/my.cnf'? y

## [root@itop ~]# cd /usr/local/mysql/ && Is

bin include info lib libexec man mysql-test share sql-bench

#### [root@itop mysql]# bin/mysql install db --user=mysql //创建授权表

.....

PLEASE REMEMBER TO SET A PASSWORD FOR THE MySQL root USER!

To do so, start the server, then issue the following commands:

/usr/local/mysql/bin/mysqladmin -u root password 'new-password'

/usr/local/mysql/bin/mysqladmin -u root -h itop password 'new-password'

See the manual for more instructions.

You can start the MySQL daemon with:

cd /usr/local/mysql; /usr/local/mysql/bin/mysqld\_safe &

You can test the MySQL daemon with mysql-test-run.pl

cd mysql-test; perl mysql-test-run.pl

Please report any problems with the /usr/local/mysql/bin/mysqlbug script!

The latest information about MySQL is available on the web at http://www.mysql.com

Support MySQL by buying support/licenses at http://shop.mysql.com

## [root@itop mysql]# ls

bin include info lib libexec man mysql-test share sql-bench var //多出 var 目录

#### [root@itop mysql]# cd /var && ls

mysql mysql-bin.000002 mysql-bin.000004 mysql-bin.000006 test mysql-bin.000001 mysql-bin.000003 mysql-bin.000005 mysql-bin.index

[root@itop mysql]# chown -R root.

[root@itop mysql]# chown -R mysql var

[root@itop mysql]# chgrp -R mysql.

[root@itop mysql]# ||

total 40

drwxr-xr-x. 2 root mysgl 4096 Jun 1 17:49 bin

drwxr-xr-x. 3 root mysql 4096 Jun 1 17:49 include

drwxr-xr-x. 2 root mysgl 4096 Jun 1 17:49 info

drwxr-xr-x. 3 root mysql 4096 Jun 1 17:49 lib

drwxr-xr-x. 2 root mysql 4096 Jun 1 17:49 libexec

drwxr-xr-x. 4 root mysql 4096 Jun 1 17:49 man

drwxr-xr-x. 8 root mysql 4096 Jun 1 17:49 mysql-test

drwxr-xr-x. 3 root mysgl 4096 Jun 1 17:49 share

drwxr-xr-x. 5 root mysql 4096 Jun 1 17:49 sql-bench

drwx-----. 4 mysgl mysgl 4096 Jun 1 18:34 var

## [root@itop mysql]# /usr/local/mysql/bin/mysqld\_safe --user=mysql & //&后台运行

#### [root@itop ~]# netstat -tnl

Active Internet connections (only servers)

Proto Recv-Q Send-Q Local Address Foreign Address State

tcp 0 0.0.0.0:22 0.0.0.0:\* LISTEN 0.0.0.0:\* tcp 0 0 127.0.0.1:25 LISTEN 0 0.0.0.0:3306 0.0.0.0:\* tcp 0 LISTEN ...\* 0 :::80 LISTEN 0

 tcp
 0
 0 :::80
 :::\*
 LISTEN

 tcp
 0
 0 :::22
 :::\*
 LISTEN

 tcp
 0
 0 ::1:25
 :::\*
 LISTEN

## [root@itop mysql]# bin/mysqladmin version

bin/mysqladmin Ver 8.41 Distrib 5.0.41, for unknown-linux-gnu on x86\_64

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This software comes with ABSOLUTELY NO WARRANTY. This is free software, and you are welcome to modify and redistribute it under the GPL license

Server version 5.0.41-log

Protocol version 10

Connection Localhost via UNIX socket

UNIX socket /tmp/mysql.sock Uptime: 2 min 17 sec

Threads: 1 Questions: 1 Slow queries: 0 Opens: 12 Flush tables: 1 Open tables: 6 Queries

per second avg: 0.007

## [root@itop mysql]# bin/mysql

Welcome to the MySQL monitor. Commands end with; or \g.

Your MySQL connection id is 2

Server version: 5.0.41-log Source distribution

Type 'help;' or '\h' for help. Type '\c' to clear the buffer.

mysql>

## mysql> select \* from mysql.user \G //mysql 权限表, \G 竖形显示

Host: localhost User: root

Password: //root 空密码

Select\_priv: Y Insert\_priv: Y Update\_priv: Y

Delete\_priv: Y Create\_priv: Y Drop priv: Y

Reload\_priv: Y Shutdown priv: Y

Process\_priv: Y

File\_priv: Y Grant\_priv: Y

References\_priv: Y

Index\_priv: Y

Alter\_priv: Y

Show\_db\_priv: Y Super\_priv: Y

Create\_tmp\_table\_priv: Y

Lock\_tables\_priv: Y

Execute\_priv: Y

Repl\_slave\_priv: Y Repl\_client\_priv: Y

Create view priv: Y

Show\_view\_priv: Y

Create\_routine\_priv: Y

Alter\_routine\_priv: Y Create\_user\_priv: Y

> ssl\_type: ssl\_cipher:

```
x509 issuer:
    x509 subject:
    max_questions: 0
     max_updates: 0
   max connections: 0
max user connections: 0
                      ****** 2. row ****************
        Host: itop
        User: root
      Password:
     Select_priv: Y
     Insert_priv: Y
     Update_priv: Y
     Delete priv: Y
     Create_priv: Y
      Drop_priv: Y
     Reload_priv: Y
    Shutdown_priv: Y
    Process priv: Y
      File_priv: Y
     Grant_priv: Y
   References_priv: Y
     Index priv: Y
     Alter_priv: Y
    Show db priv: Y
     Super_priv: Y
Create_tmp_table_priv: Y
  Lock tables priv: Y
    Execute priv: Y
   Repl_slave_priv: Y
  Repl_client_priv: Y
  Create view priv: Y
   Show_view_priv: Y
 Create routine priv: Y
 Alter_routine_priv: Y
  Create_user_priv: Y
      ssl type:
     ssl cipher:
     x509_issuer:
    x509 subject:
    max questions: 0
     max_updates: 0
   max connections: 0
max_user_connections: 0
                       ****** 3. row ****************
        Host: 127.0.0.1
         User: root
```

```
Password:
     Select_priv: Y
     Insert_priv: Y
     Update_priv: Y
     Delete priv: Y
     Create_priv: Y
     Drop_priv: Y
     Reload priv: Y
    Shutdown_priv: Y
    Process priv: Y
     File priv: Y
     Grant priv: Y
  References_priv: Y
     Index priv: Y
     Alter_priv: Y
    Show_db_priv: Y
     Super_priv: Y
Create_tmp_table_priv: Y
  Lock tables priv: Y
    Execute_priv: Y
  Repl_slave_priv: Y
  Repl_client_priv: Y
  Create view priv: Y
   Show_view_priv: Y
 Create routine priv: Y
 Alter_routine_priv: Y
  Create_user_priv: Y
      ssl type:
     ssl cipher:
    x509 issuer:
    x509 subject:
    max questions: 0
     max_updates: 0
  max_connections: 0
max_user_connections: 0
3 rows in set (0.00 sec)
mysgl> delete from mysgl.user where host!='localhost'; //删除表中主机名不等 localhost
Query OK, 2 rows affected (0.00 sec)
mysql> select * from mysql.user \G
Host: localhost
        User: root
      Password:
     Select priv: Y
     Insert_priv: Y
     Update priv: Y
```

```
Delete priv: Y
     Create_priv: Y
     Drop priv: Y
     Reload_priv: Y
    Shutdown priv: Y
    Process priv: Y
     File_priv: Y
     Grant priv: Y
  References_priv: Y
     Index priv: Y
     Alter priv: Y
    Show db priv: Y
     Super_priv: Y
Create tmp table priv: Y
  Lock_tables_priv: Y
    Execute_priv: Y
  Repl_slave_priv: Y
  Repl client priv: Y
  Create view priv: Y
   Show view priv: Y
 Create_routine_priv: Y
 Alter_routine_priv: Y
  Create user priv: Y
      ssl type:
     ssl cipher:
    x509_issuer:
    x509 subject:
    max questions: 0
    max updates: 0
  max connections: 0
max user connections: 0
1 row in set (0.00 sec)
                                   //刷新授权表
mysql> flush privileges;
Query OK, 0 rows affected (0.00 sec)
mysql> set password for 'root'@'localhost'=password('passw0rd'); //设置 root 用户密码为
Query OK, 0 rows affected (0.00 sec)
mysql> select * from mysql.user \G
Host: localhost
        User: root
      Password: *74B1C21ACE0C2D6B0678A5E503D2A60E8F9651A3
     Select priv: Y
     Insert_priv: Y
     Update_priv: Y
     Delete priv: Y
     Create priv: Y
```

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```
Drop priv: Y
     Reload priv: Y
    Shutdown priv: Y
     Process_priv: Y
      File priv: Y
      Grant priv: Y
   References priv: Y
      Index priv: Y
      Alter_priv: Y
    Show db priv: Y
      Super_priv: Y
Create tmp table priv: Y
  Lock_tables_priv: Y
     Execute priv: Y
   Repl_slave_priv: Y
  Repl_client_priv: Y
  Create_view_priv: Y
   Show view priv: Y
 Create routine priv: Y
 Alter routine priv: Y
  Create_user_priv: Y
      ssl_type:
     ssl cipher:
     x509 issuer:
    x509 subject:
    max_questions: 0
     max updates: 0
   max connections: 0
max user connections: 0
1 row in set (0.00 sec)
mysql> exit
Bye
                                                   //已无权限登陆
[root@itop mysql]# bin/mysql
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: NO)
                                                               //root 用户需输入密码
[root@itop mysql]# bin/mysql -u root -h localhost -p
Enter password:
Welcome to the MySQL monitor. Commands end with; or \g.
Your MySQL connection id is 4
Server version: 5.0.41-log Source distribution
Type 'help;' or '\h' for help. Type '\c' to clear the buffer.
mysql>
mysql> create database xxx;
                                   //创建表测试
Query OK, 1 row affected (0.00 sec)
```

```
mysql> show databases;
+----+
l Database
+----+
| information schema |
| mysql
             ı
| test
| xxx
4 rows in set (0.00 sec)
                                                           //关闭数据库
[root@itop mysql]# bin/mysqladmin -u root -p shutdown
Enter password:
[root@itop mysql]# vi /etc/rc.local
添加如下两行,开机自动启动 apache 和 mysql
/usr/local/apache2/bin/apachectl start
/usr/local/mysql/bin/mysqld_safe --user=mysql &
```

## 3.12 安装 PHP 软件包

```
[root@itop php-5.2.6]# cd /soft/php-5.2.6/ && Is
acconfig.h
            genfiles
                       php.ini-dist
                                            run-tests.php
acconfig.h.in header
                        php.ini-recommended
                                                   sapi
acinclude.m4
             INSTALL
                          README.CVS-RULES
                                                    scripts
aclocal.m4
             install-sh
                        README.EXTENSIONS
                                                   server-tests-config.php
build
          LICENSE
                      README.EXT SKEL
                                               server-tests.php
buildconf
            ltmain.sh
                        README.input filter
                                                 snapshot
buildconf.bat main
                        README.PARAMETER PARSING API
                                                          stamp-h.in
CODING STANDARDS makedist
                               README.PHP4-TO-PHP5-THIN-CHANGES stub.c
config.guess
             Makefile.frag README.QNX
                                                  tests
config.sub
            Makefile.gcov README.SELF-CONTAINED-EXTENSIONS TODO
configure
            Makefile.global README.STREAMS
                                                    TODO-5.1
configure.in makerpm
                          README.SUBMITTING PATCH
                                                         TODO-PHP5
CREDITS
            missing
                       README.TESTING
                                                TSRM
cvsclean
            mkinstalldirs README.TESTING2
                                                  UPGRADING
cvsclean.bat netware
                         README.UNIX-BUILD-SYSTEM
                                                        win32
         NEWS
                     README.UPDATE 5 2
ext
EXTENSIONS
               pear
                        README.WIN32-BUILD-SYSTEM
footer
           php5.spec.in README.Zeus
generated lists php.gif
                         regex
                                                //配置命令
[root@itop php-5.2.6]# ./configure \
```

```
> --with-png-dir=/usr/local/libpng/ \
                                           //告诉 PHP 放置 libpng 库的地方
> --with-jpeg-dir=/usr/local/jpeg6/\
                                           //告诉 PHP 放置 jpeg 库的地方
> --with-freetype-dir=/usr/local/freetype/ \ //告诉 PHP 放置 freetype 库的地方
                                    //告诉 PHP 放置 gd 库的地方
> --with-gd=/usr/local/gd2/ \
> --with-mcrypt=/usr/local/libmcrypt/ \ //告诉 PHP 放置 libmcrypt 库的地方
> --with-mysqli=/usr/local/mysql/bin/mysql_config \ //变量激活新增加的 mysqli 功能
                                    //变量激活 SOAP 和 Webservices 支持
> --enable-soap \
                                  //使多字节字符串支持
> --enable-mbstring=all \
> --enable-sockets
                                   //变量激活 socket 通讯特性
updating cache ./config.cache
creating ./config.status
creating php5.spec
creating main/build-defs.h
creating scripts/phpize
creating scripts/man1/phpize.1
creating scripts/php-config
creating scripts/man1/php-config.1
creating sapi/cli/php.1
creating main/php config.h
creating main/internal functions.c
creating main/internal_functions_cli.c
| License:
This software is subject to the PHP License, available in this
distribution in the file LICENSE. By continuing this installation
process, you are bound by the terms of this license agreement.
If you do not agree with the terms of this license, you must abort
the installation process at this point.
Thank you for using PHP.
[root@itop php-5.2.6]# make && make install
chmod 755 /usr/local/apache2/modules/libphp5.so
[activating module `php5' in /etc/httpd/httpd.conf]
Installing PHP CLI binary: /usr/local/php/bin/
Installing PHP CLI man page: /usr/local/php/man/man1/
Installing build environment: /usr/local/php/lib/php/build/
                        /usr/local/php/include/php/
Installing header files:
Installing helper programs: /usr/local/php/bin/
 program: phpize
 program: php-config
```

作者: 张炳炎 电话: 18937195128 ~ 35 ~

Installing man pages: /usr/local/php/man/man1/

page: phpize.1 page: php-config.1

Installing PEAR environment: /usr/local/php/lib/php/

[PEAR] Console\_Getopt - installed: 1.2.3 [PEAR] Archive\_Tar - installed: 1.3.2 [PEAR] Structures\_Graph- installed: 1.0.2

pear/PEAR can optionally use package "pear/XML\_RPC" (version >= 1.4.0)

[PEAR] PEAR - installed: 1.7.1

Wrote PEAR system config file at: /usr/local/php/etc/pear.conf

You may want to add: /usr/local/php/lib/php to your php.ini include\_path

Installing PDO headers: /usr/local/php/include/php/ext/pdo/

## [root@itop php-5.2.6]# cd /usr/local/php/ && Is

bin etc include lib man

## 3.13 LAMP 环境整合

# [root@itop php]# cp /soft/php-5.2.6/php.ini-dist /usr/local/php/etc/php.ini [root@itop php]# cd /usr/local/apache2/modules/ && Is

httpd.exp libphp5.so mod\_deflate.so mod\_expires.so mod\_rewrite.so

## [root@itop modules]# vi /etc/httpd/httpd.conf

查看下面一行是否存在, apache 加载 php

LoadModule php5\_module modules/libphp5.so

## 添加下面一行,解析后缀名为.php 或.phtml 的文件

AddType application/x-compress .Z AddType application/x-gzip .gz .tgz

AddType application/x-httpd-php .php .phtml

## 添加下面红色部分

<IfModule dir module>

DirectoryIndex index.php index.html

</lfModule>

## 只要修改 apache 和 php 相关配置文件都需要重启 apache 服务

[root@itop modules]# /usr/local/apache2/bin/apachectl stop

[root@itop modules]# /usr/local/apache2/bin/apachectl start

查看 php 环境,需创建一测试页面

## [root@itop modules]# cd /usr/local/apache2/htdocs/ && Is

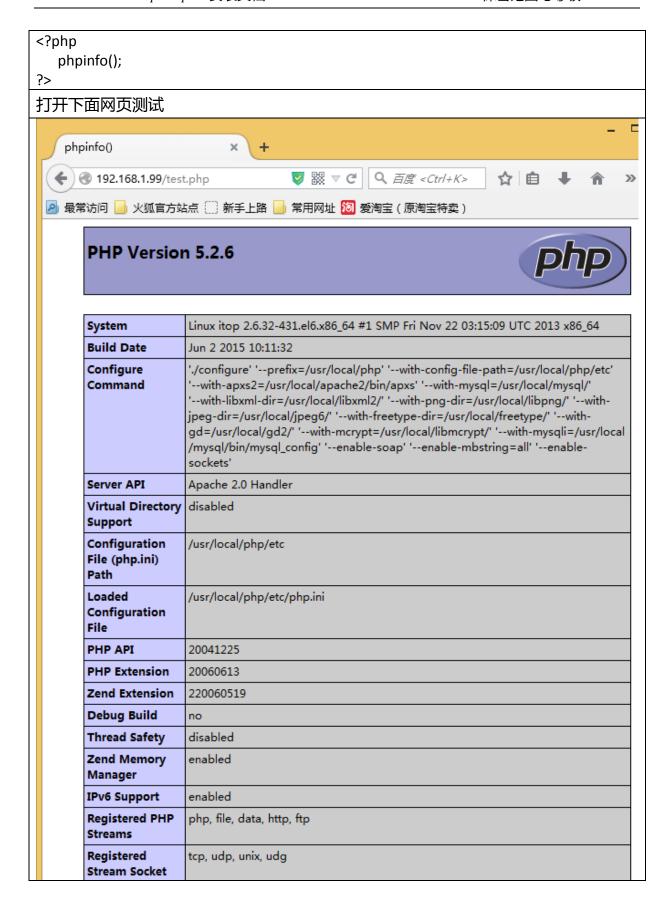
apache\_pb22\_ani.gif apache\_pb22.gif apache\_pb22.png apache\_pb.gif apache\_pb.png index.html

## [root@itop htdocs]# touch test.php && Is

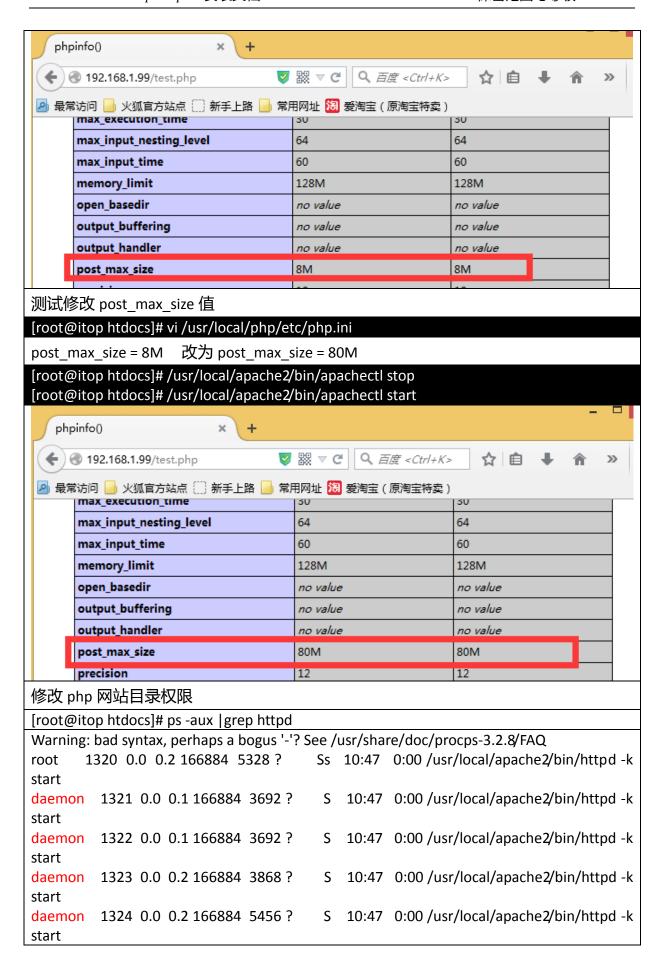
apache\_pb22\_ani.gif apache\_pb22.png apache\_pb.png test.php apache pb22.gif apache pb.gif index.html

#### [root@itop htdocs]# vi test.php

添加如下几行



作者: 张炳炎 电话: 18937195128 ~ 37 ~



```
10:47 0:00 /usr/local/apache2/bin/httpd -k
daemon
         1325 0.0 0.1 166884 3692 ?
                                        S
start
                                        S 10:47 0:00 /usr/local/apache2/bin/httpd -k
daemon 1326 0.0 0.1 166884 3692 ?
start
                                        S 10:47 0:00 /usr/local/apache2/bin/httpd -k
daemon 1327 0.0 0.1 166884 3692 ?
start
                                           10:47 0:00 /usr/local/apache2/bin/httpd -k
daemon 1328 0.0 0.1 166884 3692 ?
start
      1332 0.0 0.0 103244 852 pts/0 S+ 10:53 0:00 grep httpd
root
```

# [root@itop htdocs]# mkdir itop

#### [root@itop htdocs]# ||

#### total 32

- -rw-r--r--. 1 501 games 2205 Dec 15 2005 apache pb22 ani.gif
- -rw-r--r-. 1 501 games 2410 Dec 15 2005 apache pb22.gif
- -rw-r--r-. 1 501 games 1502 Dec 15 2005 apache pb22.png
- -rw-r--r-. 1 501 games 2326 Nov 21 2004 apache pb.gif
- -rw-r--r-. 1 501 games 1385 Nov 21 2004 apache pb.png
- -rw-r--r-. 1 501 games 44 Nov 21 2004 index.html

drwxr-xr-x. 2 root root 4096 Jun 2 10:55 itop

-rw-r--r. 1 root root 26 Jun 2 10:34 test.php

#### [root@itop htdocs]# chown -R daemon.daemon itop && II

#### total 32

- -rw-r--r-. 1 501 games 2205 Dec 15 2005 apache pb22 ani.gif
- -rw-r--r-. 1 501 games 2410 Dec 15 2005 apache pb22.gif
- -rw-r--r. 1 501 games 1502 Dec 15 2005 apache pb22.png
- -rw-r--r-. 1 501 games 2326 Nov 21 2004 apache\_pb.gif
- -rw-r--r-. 1 501 games 1385 Nov 21 2004 apache pb.png
- -rw-r--r-. 1 501 games 44 Nov 21 2004 index.html

drwxr-xr-x. 2 daemon daemon 4096 Jun 2 10:55 itop

-rw-r--r-. 1 root root 26 Jun 2 10:34 test.php

# 3.14 安装 zendoptimizer 软件包 (PHP 加速)

## [root@itop soft]# ls

ZendOptimizer-3.3.3-linux-glibc23-x86 64.tar.gz

[root@itop soft]# tar zxvf ZendOptimizer-3.3.3-linux-glibc23-x86 64.tar.gz

[root@itop soft]# rm -rf ZendOptimizer-3.3.3-linux-glibc23-x86\_64.tar.gz

[root@itop soft]# cd ZendOptimizer-3.3.3-linux-glibc23-x86\_64/ && Is

data install install-tty LICENSE README-ZendOptimizer

EULA-ZendOptimizer install.sh Inventory.xml md5 zui files

[root@itop ZendOptimizer-3.3.3-linux-glibc23-x86\_64]# ./install.sh

#### Zend Optimizer 3.3.3

Welcome to the Zend Optimizer 3.3.3 Installation!

For more information regarding this procedure, please see the Zend Optimizer Installation Guide.



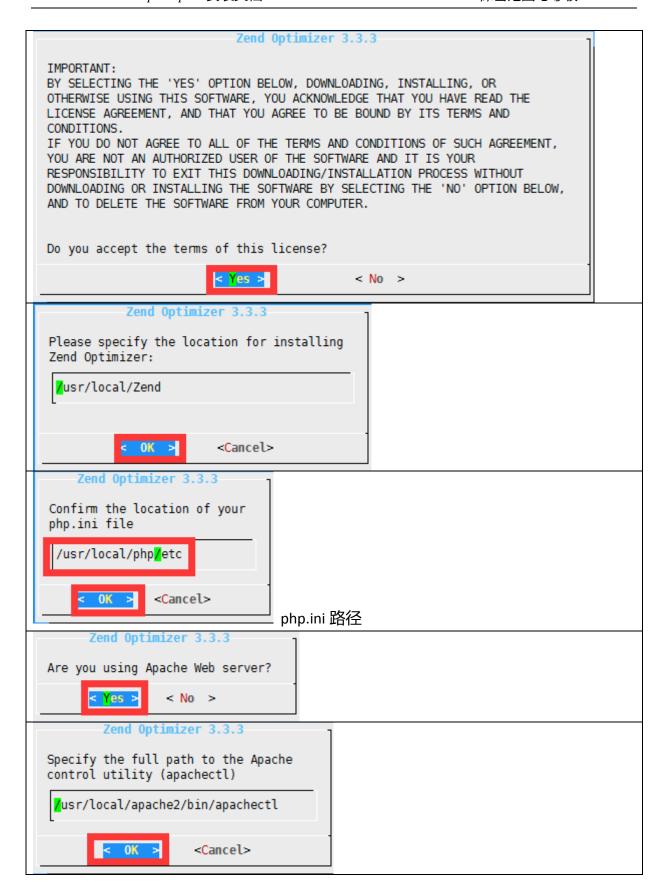
#### Zend Optimizer 3.3.3

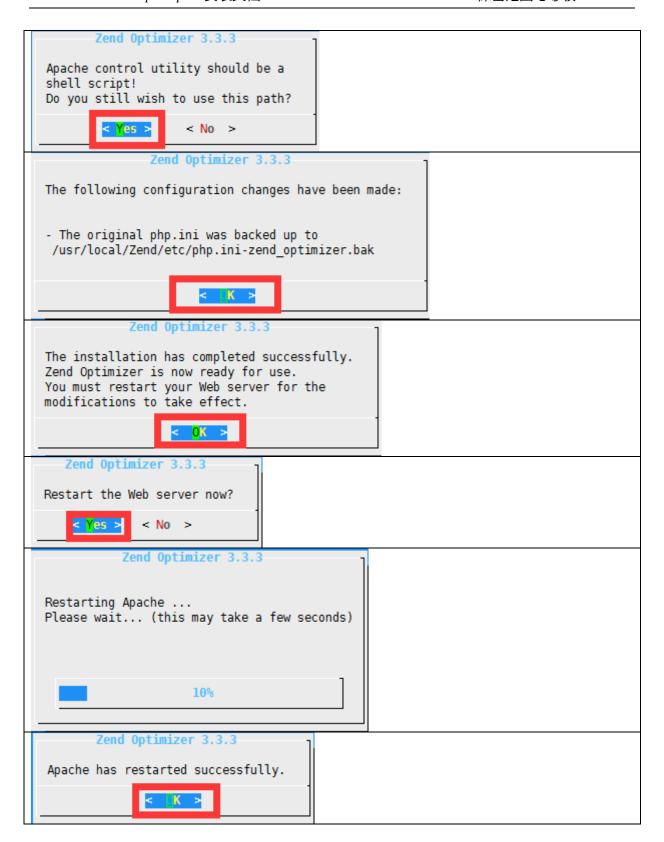
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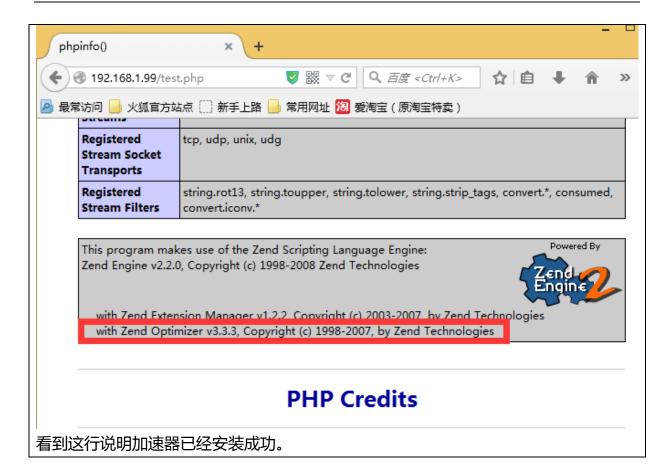
100%

作者:张炳炎 电话:18937195128

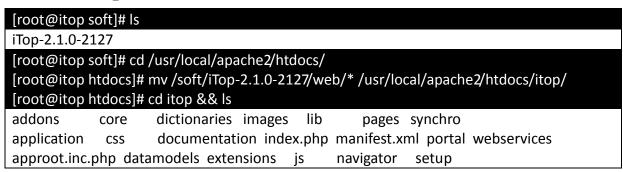


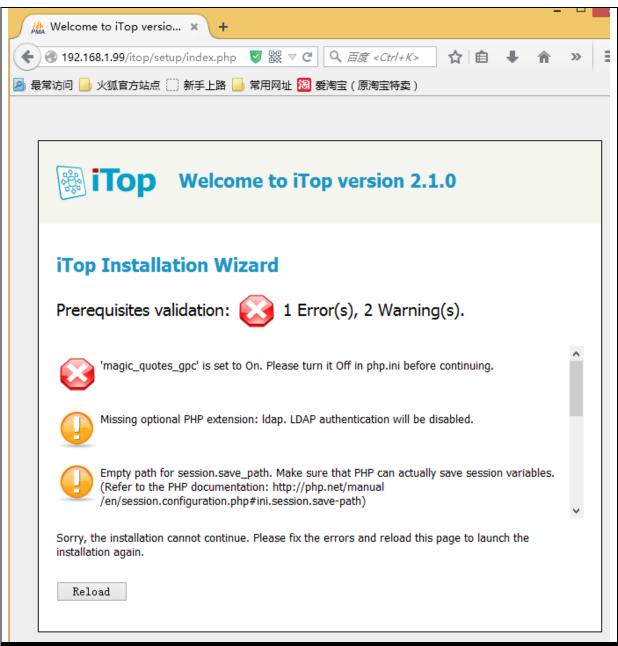


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# 4 安装 itop

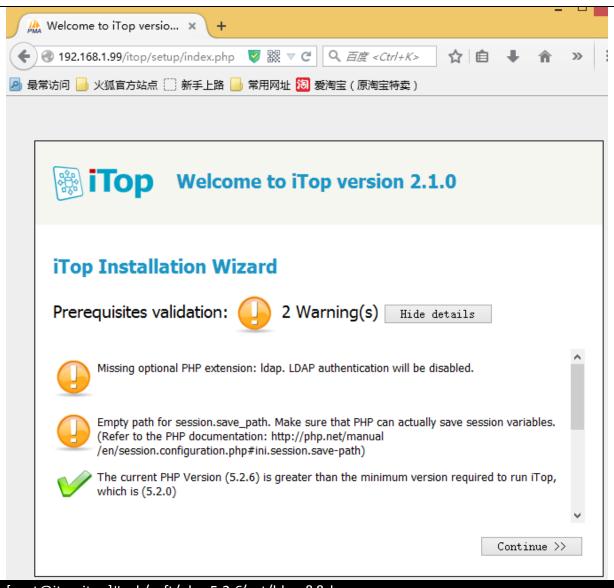




# [root@itop itop]# vi /usr/local/php/etc/php.ini

magic quotes gpc = On 改成 magic quotes gpc = Off

[root@itop itop]# /usr/local/apache2/bin/apachectl stop [root@itop itop]# /usr/local/apache2/bin/apachectl start



### [root@itop itop]# cd /soft/php-5.2.6/ext/ldap && Is

config.m4 CREDITS Idap.dsp LDAP\_Win32\_HOWTO.txt tests

config.w32 ldap.c ldap.mak php\_ldap.h

## [root@itop Idap]# /usr/local/php/bin/phpize

Configuring for:

PHP Api Version: 20041225
Zend Module Api No: 20060613
Zend Extension Api No: 220060519

## [root@itop ldap]# ls

acinclude.m4 config.guess configure install-sh LDAP\_Win32\_HOWTO.txt mkinstalldirs aclocal.m4 config.h.in configure.in ldap.c ltmain.sh php\_ldap.h autom4te.cache config.m4 config.w32 ldap.dsp Makefile.global run-tests.php build config.sub CREDITS ldap.mak missing tests

#### [root@itop ldap]# ./configure \

> --with-php-config=/usr/local/php/bin/php-config \

> --with-ldap

hecking for re2c... no

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configure: WARNING: You will need re2c 0.12.0 or later if you want to regenerate PHP parsers.

checking for gawk... gawk

checking for LDAP support... yes, shared checking for LDAP Cyrus SASL support... no

configure: error: Cannot find Idap.h //解决方法如下

[root@itop ldap]# yum -y install openldap.x86\_64 openldap-devel.x86\_64

[root@itop ldap]# cp -frp /usr/lib64/libldap\* /usr/lib/

[root@itop Idap]# ./configure \

> --with-php-config=/usr/local/php/bin/php-config \

> --with-ldap

.....

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... no

creating libtool

appending configuration tag "CXX" to libtool

configure: creating ./config.status config.status: creating config.h

### [root@itop Idap]# make && make install

Libraries have been installed in:

/soft/php-5.2.6/ext/ldap/modules

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.

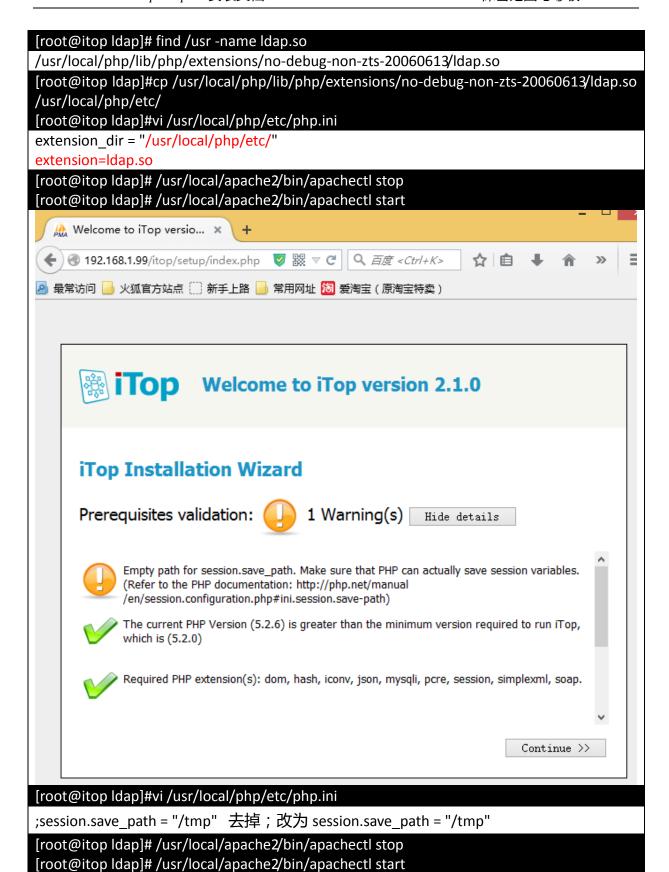
-----

Build complete.

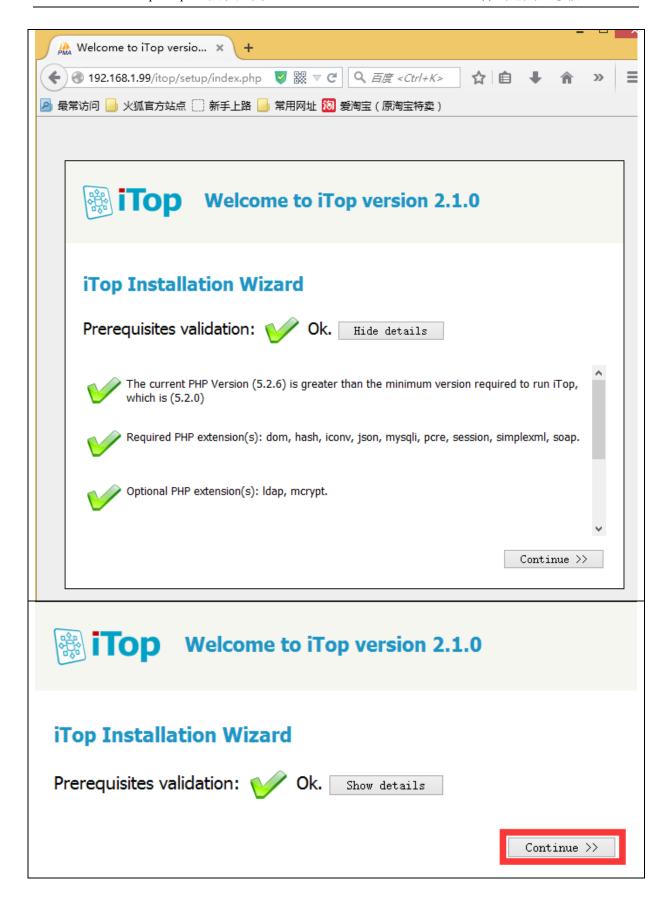
Don't forget to run 'make test'.

Installing shared extensions: /usr/local/php/lib/php/extensions/no-debug-non-zts-

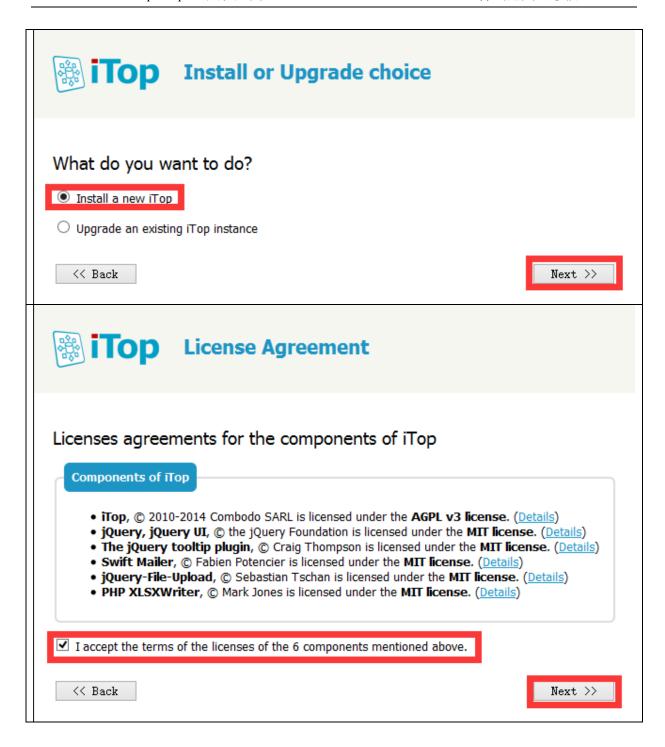
20060613/



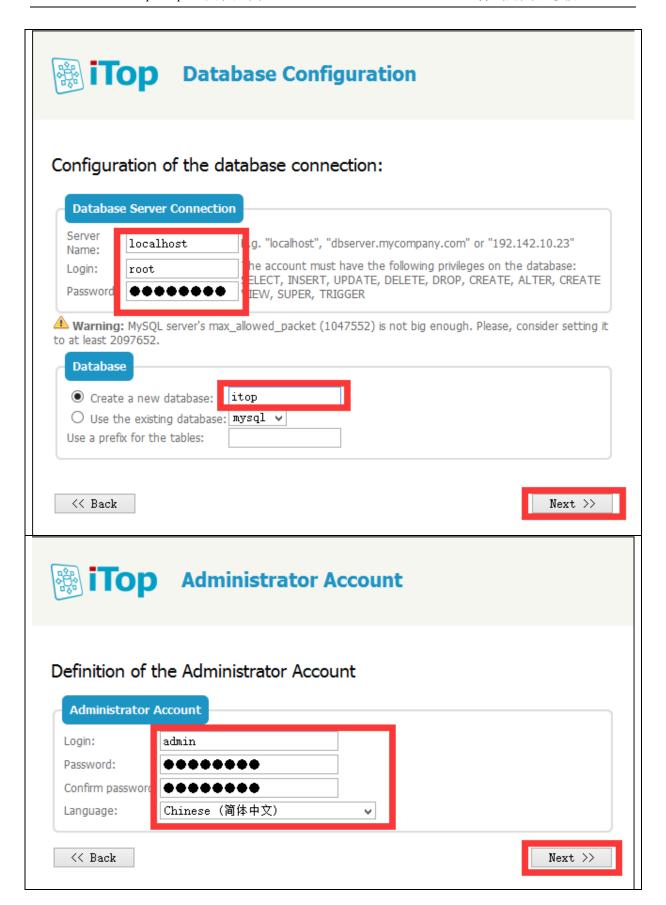
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作者: 张炳炎 电话: 18937195128 ~ 49 ~



作者: 张炳炎 电话: 18937195128 ~ 50 ~



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# TOP Configuration Management options



The options below allow you to configure the type of elements that are to be managed inside iTop.

### Configuration Management Core

All the base objects that are mandatory in the iTop CMDB: Organizations, Locations, Teams, Persons, etc.

### ✓ Data Center Devices

Manage Data Center devices such as Racks, Enclosures, PDUs, etc.

#### ✓ End-User Devices

Manage devices related to end-users: PCs, Phones, Tablets, etc.

## ✓ Storage Devices

Manage storage devices such as NAS, SAN Switches, Tape Libraries and Tapes, etc.

#### ✓ Virtualization

Manage Hypervisors, Virtual Machines and Farms.

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# **ITOP** Service Management options



Select the choice that best describes the relationships between the services and the IT infrastructure in your IT environment.

### Service Management for Enterprises

Select this option if the IT delivers services based on a shared infrastructure. For example if different organizations within your company subscribe to services (like Mail and Print services) delivered by a single shared backend.

#### O Service Management for Service Providers

Select this option if the IT manages the infrastructure of independent customers. This is the most flexible model, since the services can be delivered with a mix of shared and customer specific infrastructure devices.

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# Top Tickets Management options



Select the type of tickets you want to use in order to respond to user requests and incidents.

Simple Ticket Management

Select this option to use one single type of tickets for all kind of requests.

ITIL Compliant Tickets Management

Select this option to have different types of ticket for managing user requests and incidents. Each type of ticket has a specific life cycle and specific fields

✓ User Request Management

Manage User Request tickets in iTop

✓ Incident Management

Manage Incidents tickets in iTop

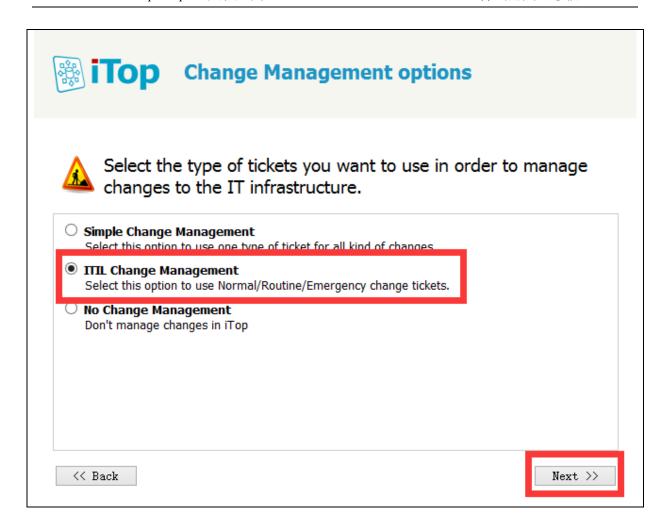
O No Tickets Management

Don't manage incidents or user requests in iTop

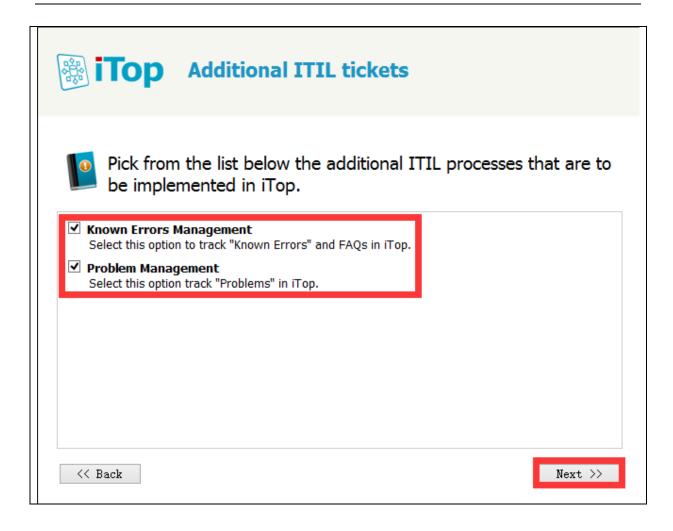
<< Back

Next >>

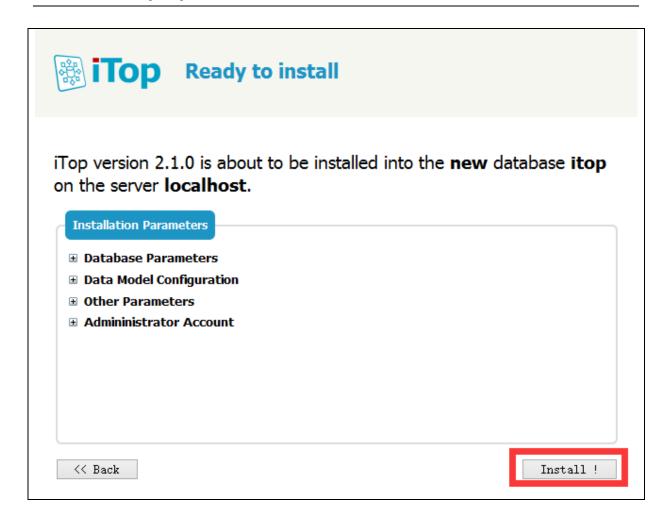
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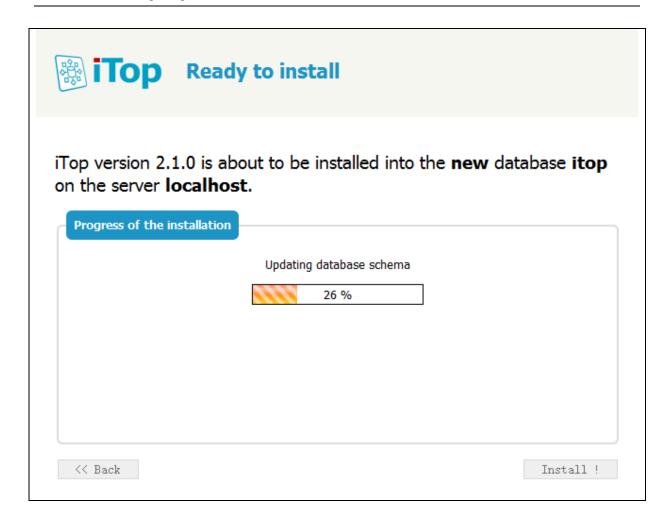
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作者: 张炳炎 电话: 18937195128 ~ 56 ~



作者: 张炳炎 电话: 18937195128 ~ 57 ~



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# Manual operations required

In order to complete the installation, the following manual operations are required:

Manual instructions for Tickets Management

# Congratulations for installing iTop



Stay in touch with the iTop community

Get the lastest news about iTop: new features, online webinars, etc...



Be backed by the iTop experts.

Get enterprise grade support for your application, worry free upgrades, and more...

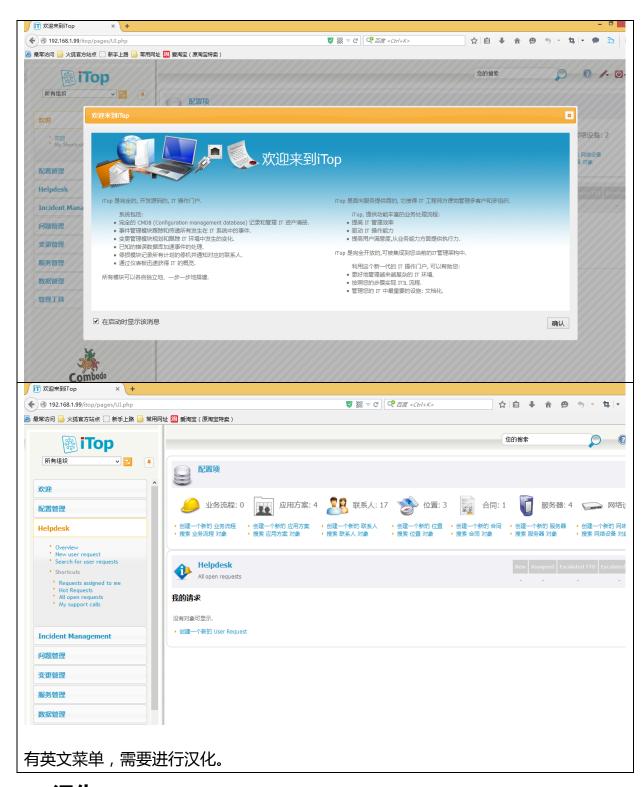


Whether you want get the most of your iTop installation, tailor if Get Professional Training from or become an iTop guru...



Enter iTop

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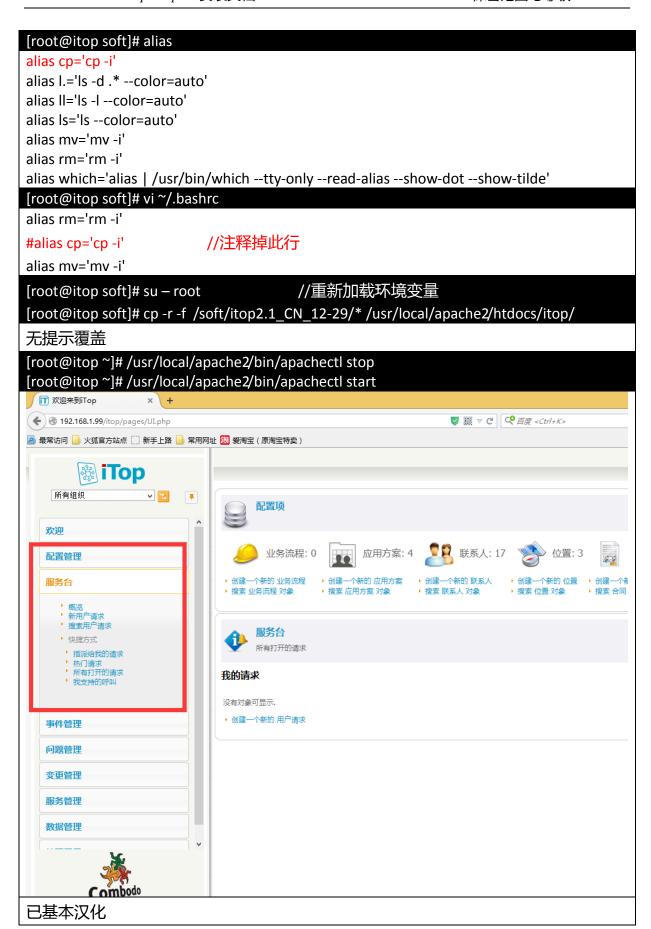
# 5 汉化 itop

# [root@itop etc]# cd /soft/ && ls

itop2.1\_CN\_12-29 //汉化包,网上可找到

# [root@itop soft]# cp -r -f ./itop2.1\_CN\_12-29/\* /usr/local/apache2/htdocs/itop/

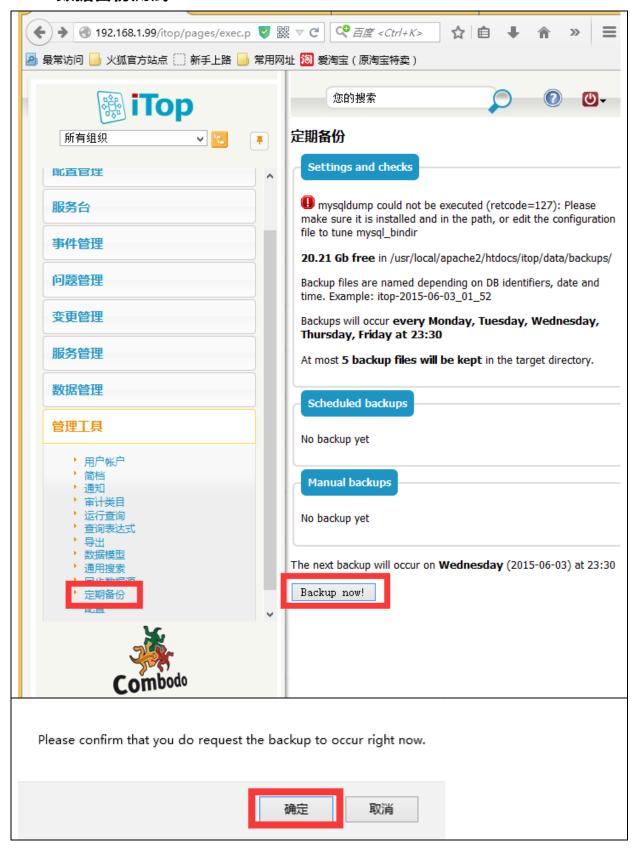
cp: overwrite `/usr/local/apache2/htdocs/itop/dictionaries/es\_cr.dictionary.itop.ui.php'? 提示覆盖确认,需要解决强制覆盖不提示问题



具体使用请参照使用手册。

# 6 数据备份与还原

# 6.1 数据备份测试



 The next backup will occur on Wednesday (2015-06-03) at 23:30

Backup now!

Error: Failed to execute mysqldump: sh: mysqldump:

[root@itop backups]# In -fs /usr/local/mysql/bin/mysqldump /usr/bin

[root@itop bin]# cd /soft/php-5.2.6/ext/zip [root@itop zip]# /usr/local/php/bin/phpize

Configuring for:

PHP Api Version: 20041225
Zend Module Api No: 20060613
Zend Extension Api No: 220060519

### [root@itop zip]# ls

acinclude.m4 config.h.in config.w32 ltmain.sh php\_zip.c zip\_stream.c

aclocal.m4 config.m4 CREDITS Makefile.frag php\_zip.h

autom4te.cache config.sub examples Makefile.global run-tests.php

build configure install-sh missing tests config.guess configure.in lib mkinstalldirs TODO

#### [root@itop zip]# ./configure \

> --with-php-config=/usr/local/php/bin/php-config \

#### > --with-zip

.....

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... no

creating libtool

appending configuration tag "CXX" to libtool

configure: creating ./config.status config.status: creating config.h

### [root@itop zip]# make && make install

....

Build complete.

Don't forget to run 'make test'.

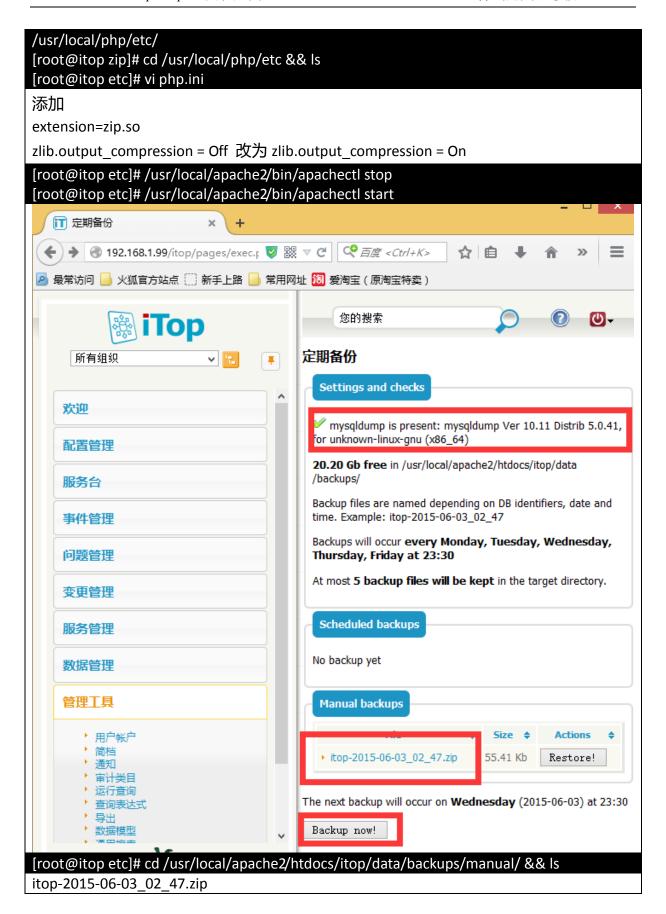
Installing shared extensions: /usr/local/php/lib/php/extensions/no-debug-non-zts-

20060613/

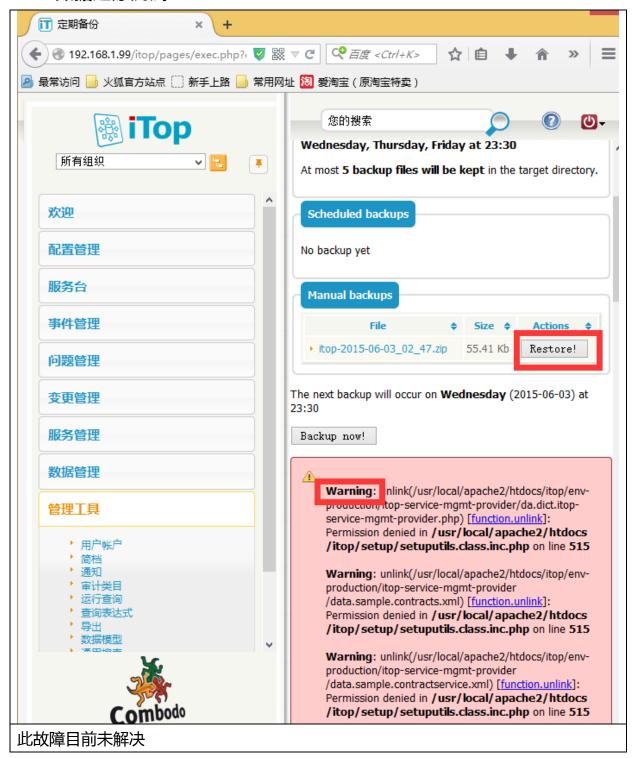
Installing header files: /usr/local/php/include/php/

Installing ZIP headers: /usr/local/php/include/php/ext/zip/lib

[root@itop\_zip]# cp\_/usr/local/php/lib/php/extensions/no-debug-non-zts-20060613/zip.so



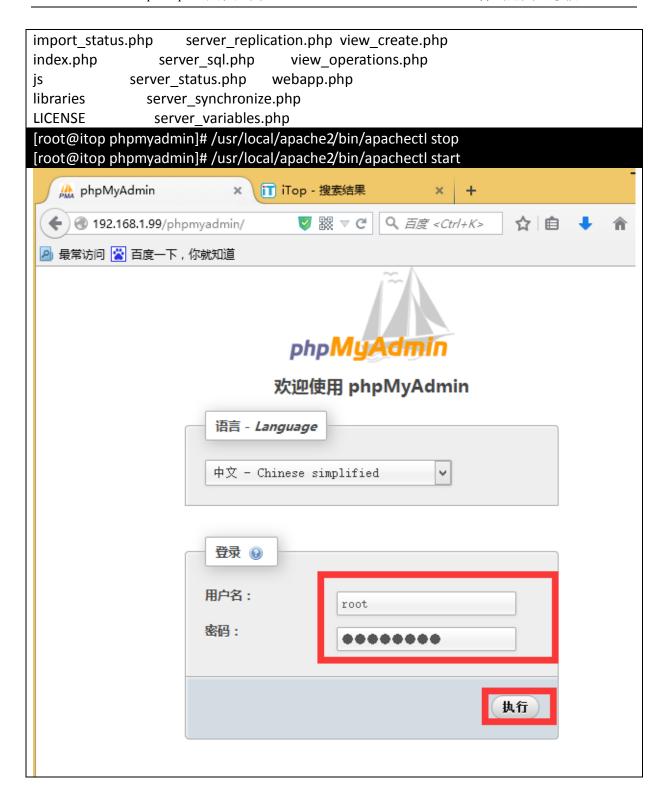
# 6.2 数据还原测试



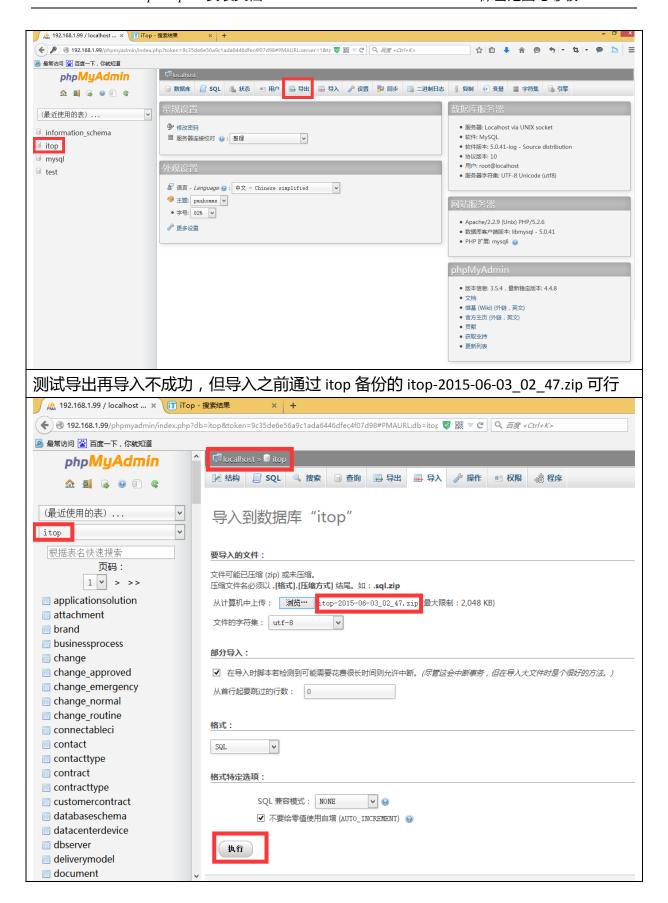
# 6.3 安装 phpmyadmin 管理工具

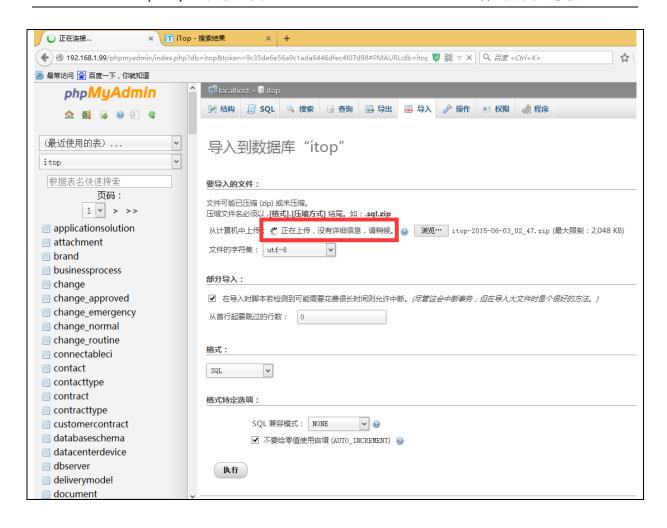
[root@itop soft]# yum -y install unzip
[root@itop soft]# ls
phpMyAdmin-3.5.4-all-languages.zip
[root@itop soft]# unzip phpMyAdmin-3.5.4-all-languages.zip

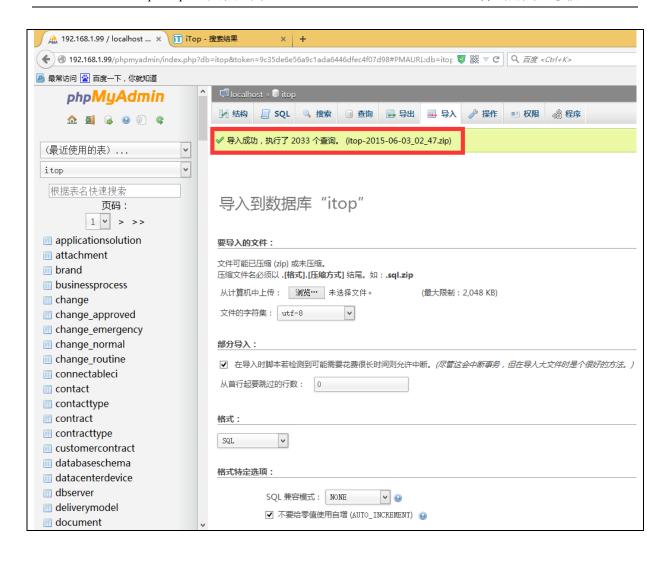
```
inflating: phpMyAdmin-3.5.4-all-languages/themes/pmahomme/sprites.lib.php
 inflating: phpMyAdmin-3.5.4-all-languages/themes/sprites.css.php
 inflating: phpMyAdmin-3.5.4-all-languages/themes/svg_gradient.php
 inflating: phpMyAdmin-3.5.4-all-languages/transformation_overview.php
 inflating: phpMyAdmin-3.5.4-all-languages/transformation wrapper.php
 inflating: phpMyAdmin-3.5.4-all-languages/url.php
 inflating: phpMyAdmin-3.5.4-all-languages/user_password.php
 inflating: phpMyAdmin-3.5.4-all-languages/version check.php
 inflating: phpMyAdmin-3.5.4-all-languages/view create.php
 inflating: phpMyAdmin-3.5.4-all-languages/view operations.php
 inflating: phpMyAdmin-3.5.4-all-languages/webapp.php
[root@itop soft]# rm -rf phpMyAdmin-3.5.4-all-languages.zip
[root@itop soft]# cp -r -f /soft/phpMyAdmin-3.5.4-all-languages/*
/usr/local/apache2/htdocs/phpmyadmin/
[root@itop soft]# cd /usr/local/apache2/htdocs/phpmyadmin/ && Is
browse foreigners.php
                       license.php
                                         setup
bs_disp_as_mime_type.php locale
                                          show_config_errors.php
bs play media.php
                      main.php
                                        sql.php
ChangeLog
                   navigation.php
                                      tbl_addfield.php
changelog.php
                    phpinfo.php
                                      tbl alter.php
chk rel.php
                   phpmyadmin.css.php
                                         tbl change.php
                      phpunit.xml.nocoverage tbl chart.php
config.sample.inc.php
db create.php
                    pmd_display_field.php tbl_create.php
db datadict.php
                     pmd general.php
                                          tbl export.php
db events.php
                    pmd pdf.php
                                       tbl get field.php
db export.php
                    pmd relation new.php tbl gis visualization.php
db import.php
                    pmd_relation_upd.php tbl_import.php
db_operations.php
                      pmd_save_pos.php
                                            tbl indexes.php
db printview.php
                     prefs forms.php
                                         tbl move copy.php
db qbe.php
                   prefs manage.php
                                         tbl operations.php
db routines.php
                     print.css
                                    tbl printview.php
db search.php
                    querywindow.php
                                          tbl relation.php
db sql.php
                  README
                                    tbl replace.php
db structure.php
                     README.VENDOR
                                           tbl row action.php
db_tracking.php
                                          tbl select.php
                     RELEASE-DATE-3.5.4
db triggers.php
                                     tbl sql.php
                    robots.txt
docs.css
                 schema edit.php
                                     tbl structure.php
Documentation.html
                       schema export.php
                                             tbl tracking.php
Documentation.txt
                      server binlog.php
                                          tbl triggers.php
enum editor.php
                      server collations.php tbl zoom select.php
                  server_databases.php themes
examples
                  server engines.php
                                        themes.php
export.php
favicon.ico
                 server export.php
                                      transformation overview.php
file echo.php
                   server_import.php
                                        transformation_wrapper.php
gis data editor.php
                      server plugins.php
                                           url.php
import.php
                   server_privileges.php user_password.php
```



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