

# Unity Express升级从1.1版本到2.0或2.1版本

## 目录

[简介](#)

[先决条件](#)

[要求](#)

[使用的组件](#)

[规则](#)

[升级的设置](#)

[Cisco Unity Express升级程序](#)

[准备](#)

[负载新建的Cisco Unity Express软件](#)

[全双工示例升级](#)

[相关信息](#)

## 简介

本文解释步骤升级从版本1.1.x的Cisco Unity Express系统软件到版本2.0或2.1。在本文讨论的重要优点是：

- Cisco Unity Express软件升级清除现有配置和数据。如果现有数据需要在升级以后，恢复请执行在当前配置和数据的一个备份在Cisco Unity Express。
- 在Cisco Unity Express版本2.0和2.1中，独立的许可证为Cisco CallManager和Cisco CallManager Express要求。
- 您能从Cisco Unity Express版本2.0到2.1升级(或从对一个最新版本的Cisco Unity Express版本2.0/2.1)。然而，软件支持允许下载发生的新方法，当系统仍然运行时。
- 从Cisco Unity Express版本1.0.2的升级直接地对版本2.0测试了。说明首先是同样，除了启动加载器镜像需要升级到1.0.17。参考[从版本1.0.2的Unity Express软件升级到1.1.1](#)欲知更多信息。

## 先决条件

### 要求

FTP和TFTP server一定取得到和可及的由Cisco Unity Express。FTP 服务器必须支持被动 FTP (PASV)。TFTP 服务器必须支持大于 16 MB 的文件大小 (一些较旧的 TFTP 服务器支持的最大文件大小为 16 MB)。

虽然符合这些要求的所有 FTP 服务器都应能正确运行，以下列出了 Cisco 已顺利使用的一些特定产品：

- 对于 Microsoft Windows 操作系统：FileZilla FTP 服务器GuildFTPdServ-U FTP 服务器  
Microsoft IIS FTP 服务器

- 对于 Linux 操作系统：ProFTPD 服务器PureFTPdWU-FTP

**注意：** Cisco 不认可或支持所有这些 FTP 服务器产品中的任何一种。这只是 Cisco 曾在过去顺利使用过的一些软件的列表。

Cisco Unity Express模块需要在版本1.1.1或1.1.2。特别地，启动加载器版本必须在版本1.0.17 (从Cisco Unity Express **show version**输出)。

如果收到此错误，当您输入软件下载干净的pkgfilename命令为了升级Cisco Unity Express时，这是因为版本不支持软件下载也不安装：

```
NameError: global name 'nativeSysdbException' is not defined[15261 refs]
```

在此方案中，您需要使用**启动装载程序**为了升级。

## 使用的组件

本文档中的信息根据升级的Cisco Unity Express产品。

本文档中的信息从在特定实验室环境的设备创建与Cisco Unity Express 2.0。Cisco Unity Express 2.1 (一次发布)，在安装程序的版本号和系统更改。然而，进程依然是同样。本文档中使用的所有设备最初均采用原始（默认）配置。如果您使用的是真实网络，请确保您已经了解所有命令的潜在影响。

## 规则

有关文档规则的详细信息，请参阅 [Cisco 技术提示规则](#)。

## 升级的设置

- 必须为软件下载设置FTP和TFTP服务器。确保您注释这些服务器中的每一个的IP地址。FTP 服务器必须支持被动 FTP (PASV)。TFTP 服务器必须支持大于 16 MB 的文件大小（一些较旧的 TFTP 服务器支持的最大文件大小为 16 MB）。
- 保证ping从TFTP和FTP服务器的Cisco Unity Express模块是可能的。
- 进行初始化时，可选择域名系统 (DNS) 服务器。如果需要 DNS，请在继续之前安装并且激活 PC 或服务器上的 DNS 服务器。

## Cisco Unity Express升级程序

软件升级Cisco Unity Express版本1.1.1介入三个软件加载活动：

- 装载新的启动加载器。
- 加载适当的新许可证。
- 加载 Cisco Unity Express 软件。

## 准备

完成这些步骤：

1. 下载Cisco Unity Express版本2.0软件和适当的许可证从[Cisco.com](http://Cisco.com)。注意：Cisco CallManager和Cisco CallManager Express要求不同的许可证。
2. 安置cue-installer.2.0.1 (或cue-installer.2.1.1)安装文件在TFTP server。
3. 安置这些文件在FTP服务器：cue-vm.2.0.1.pkg (主要应用文件)cue-vm-full.2.0.1.prt1cue-vm-lang-pack.2.0.1.pkg这些语言文件之一(根据哪个语言您要有作为系统语言)：cue-vm-en\_US-lang-pack.2.0.1.prt1 (美国英语)cue-vm-de\_DE-lang-pack.2.0.1.prt1 (德国)cue-vm-es\_ES-lang-pack.2.0.1.prt1 (欧洲西班牙语)cue-vm-fr\_FR-lang-pack.2.0.1.prt1 (欧洲法国)(可选) cue-vm-installer.2.0.1.prt1 -此文件是可以使用到升级许可证文件，并且下载镜像2.0软件一次装载的联机安装程序。您不需要此文件为了升级Cisco Unity Express到版本2.0/2.1。然而，可以是有用为将来升级。如果计划使用此同样FTP服务器，请放置它在服务器。(可选)请存储在FTP服务器的适当的许可证文件。如果系统已经有正确许可证文件在以前版本，不需要再应用。如果许可证升级，则新的文件在FTP服务器需要被放置，因此可以升级的以后。它为备份的目的总是良好的做法有在FTP服务器的正确许可证文件。这是，万一整个Cisco Unity Express模块需要替换在某种程度上。可能的许可证文件是：**注意**：不是所有这些文件为每个Cisco Unity Express硬件平台是适当的。cue-vm-license\_100mbx\_ccm\_2.0.1.pkgcue-vm-license\_100mbx\_cme\_2.0.1.pkgcue-vm-license\_12mbx\_ccm\_2.0.1.pkgcue-vm-license\_12mbx\_cme\_2.0.1.pkgcue-vm-license\_25mbx\_ccm\_2.0.1.pkgcue-vm-license\_25mbx\_cme\_2.0.1.pkgcue-vm-license\_50mbx\_ccm\_2.0.1.pkgcue-vm-license\_50mbx\_cme\_2.0.1.pkg
4. 保证TFTP，并且FTP服务器是正在运行的。如果是PC，请确保已激活PC上的TFTP和FTP程序。请使用Microsoft Windows TFTP客户端命令行工具为了测试TFTP server。例如：可对FTP服务器进行类似测试。在支持FTP的浏览器中(Internet Explorer，Firefox，等等)，请放置在您计划与用户名和密码一起使用的URL。例如，  
ftp://user:password@14.80.227.128/2.0.1/。这意味着您尝试访问在2.0.1目录的主机14.80.227.128使用用户名“用户”有密码的“密码”。可以查看目录列表中的所有必要文件，并且可以下载其中任何一个。它不会测试FTP进程的所有方面，但是它会测试最常见的问题。
5. 建立与包含Cisco Unity Express模块的Cisco IOS路由器的连接(通过Telnet或直接通过控制台)。从那里，连接到Cisco Unity Express模块通过发出**service-module service-engine <slot/> session**命令。对于Cisco Unity Express AIM，插槽编号是0。例如：

```
[user1-mac:~] root% telnet 14.80.227.140
Trying 14.80.227.140...
Connected to 14.80.227.140.
Escape character is '^]'.

vnt-3660-41c>enable
Password:
vnt-3660-41c#show ip interface brief
Interface IP-Address OK? Method Status Protocol
FastEthernet0/0 14.80.227.140 YES NVRAM up up
Service-Engine5/0 14.80.227.140 YES TFTP up up
vnt-3660-41c#service-module service-Engine 5/0 session
Trying 14.80.227.140, 2161 ...
% Connection refused by remote host

vnt-3660-41c#clear line 161
[confirm]
[OK]
vnt-3660-41c#service-module service-Engine 5/0 session
Trying 14.80.227.140, 2161 ...

cue-3660-41c>
```
6. 确保您记下Cisco Unity Express的IP地址、子网掩码和默认网关。使用**show interfaces**和**show ip route**命令从CLI获取这些信息。

```

cue-3660-41c>show interfaces
FastEthernet 1 is up, line protocol is up
Internet address is 14.80.227.141 mask 255.255.255.0
!--- Configured on router. Broadcast address is 14.255.255.255 176 input, 18507 bytes 0
input errors 172 output, 16756 bytes 0 output errors IDE hd0 is up, line protocol is up
3385 reads, 39324672 bytes 0 read errors 2393 write, 23195648 bytes 0 write errors cue-
3660-41c>show ip route
DEST          GATE          MASK IFACE
14.80.227.0   0.0.0.0       255.255.255.0 eth1
127.0.0.0     0.0.0.0       255.0.0.0 lo
0.0.0.0       14.80.227.140 0.0.0.0 eth1

```

7. 备份您的数据。有关备份和还原的详细信息，请参阅[使用 Microsoft FTP 服务器执行 Cisco Unity Express 备份和恢复](#)。您能也参考在正常Cisco Unity Express文档的备份和恢复指南，例如[备份和恢复数据](#)。
8. 在备份顺利地完成后，请通过发出**reload**命令重新加载Cisco Unity Express NM。
9. 当提示您 Please enter '\*\*\*' 以更改引导配置时，请输入 **\*\*?**。这可允许 Cisco Unity Express 进入引导加载程序模式。
10. 在 ServicesEngine boot loader> 提示符处输入 **config**。
11. 输入在**设置**输出中显示的多种提示符的这些详细信息。Cisco Unity Express IP 地址Cisco Unity Express 子网掩码TFTP服务器地址Cisco Unity Express 默认网关以太网接口为内部。默认辅助镜像，回车**cue-installer.2.0.1**。请确保默认引导始终为**磁盘**，默认引导加载程序始终为**主要**，且以太网接口始终设置为**内部**。

```

ServicesEngine boot-loader>config
IP Address [14.80.227.141] > 14.80.227.141
Subnet mask [255.255.255.0] > 255.255.255.0
TFTP server [14.80.227.128] > 14.80.227.128
Gateway [14.80.227.140] > 14.80.227.140
Default Helper-file [cue-installer.2.0.1] > cue-installer.2.0.1
Ethernet interface [internal] > internal
Default Boot [disk] > disk
Default bootloader [primary|secondary] [primary] > primary

```

Updating flash with bootloader configuration

12. 系统将信息写入闪存，ServicesEngine boot loader> 提示符将再次出现。

## [负载新建的Cisco Unity Express软件](#)

完成这些步骤：

1. 在 ServicesEngine boot loader> 提示符处输入 **boot helper**。Cisco Unity Express 从 TFTP 服务器处引导帮助程序映像。
2. 系统现在从 TFTP 服务器加载安装程序包并从它进行引导。在引导进程结束时，将显示此菜单：

```

ServicesEngine boot-loader>config
IP Address [14.80.227.141] > 14.80.227.141
Subnet mask [255.255.255.0] > 255.255.255.0
TFTP server [14.80.227.128] > 14.80.227.128
Gateway [14.80.227.140] > 14.80.227.140
Default Helper-file [cue-installer.2.0.1] > cue-installer.2.0.1
Ethernet interface [internal] > internal
Default Boot [disk] > disk
Default bootloader [primary|secondary] [primary] > primary

```

Updating flash with bootloader configuration

3. 1回车为了安装新的软件。
4. 需要输入数据包名称、服务器 URL 和 FTP 用户名/口令，然后进行确认：

Package name: **cue-vm.2.0.1.pkg**

Server url: **ftp://14.80.227.128/2.0.1**

Username: **jdoe**

Password:

WARNING:: Software installation will clear disk contents

Continue [n]? **y**

Downloading cue-vm.2.0.1.pkg

Bytes downloaded : 1448

Validating package signature ... done

Downloading cue-vm-lang-pack.2.0.1.pkg

Bytes downloaded : 147456

Validating package signature ... done

**注意：**在此示例输出中，对14.80.227.128的系统FTP，登陆作为用户“jdoe”与密码指定，回旋对2.0.1目录，并且检索文件“cue-vm.2.0.1.pkg”。从此同样目录，文件“cue VM langpack.2.0.1.pkg”也获取。如果此步骤由于任何原因而失败，请确保这两个文件均存在于指定的路径且指定的FTP用户有下载这些文件的正确权限。

5. 将出现语言菜单。在本示例中，选择**4**（美国英语）。仅能选择一种语言。在语言选择(注释由\*在它旁边)后，请按**x**为了完成。

Language Selection Menu:

#	Selected	SKU	Language Name
1		FRA	CUE Voicemail European French (2.0.1)
2		ESP	CUE Voicemail European Spanish (2.0.1)
3		DEU	CUE Voicemail German (2.0.1)
4		ENG	CUE Voicemail US English (2.0.1)

Available commands are:

# - enter the number for the language to select one

r # - remove the language for given #

i # - more information about the language for given #

x - Done with language selection

> **4**

Language Selection Menu:

#	Selected	SKU	Language Name
1		FRA	CUE Voicemail European French (2.0.1)
2		ESP	CUE Voicemail European Spanish (2.0.1)
3		DEU	CUE Voicemail German (2.0.1)
4	*	ENG	CUE Voicemail US English (2.0.1)

Available commands are:

# - enter the number for the language to select one

r # - remove the language for given #

i # - more information about the language for given #

x - Done with language selection

> **x**

**注意：**从同一个FTP目录和路径，文件呼叫cue-vm-full.2.0.1.prt1的和cue-vm-en\_US-lang-pack.2.0.1.prt1当前下载。如果美国英语在此步骤，选择cue-vm-en\_US-lang-pack.2.0.1.prt1只下载。其他语言有不同的语言包。

6. 系统完成安装、重新启动（此时请勿按\*\*\*组合）并运行安装后脚本。

```
IMPORTANT::
IMPORTANT:: Welcome to Cisco Systems Service Engine
IMPORTANT:: post installation configuration tool.
IMPORTANT::
IMPORTANT:: This is a one time process which will guide
IMPORTANT:: you through initial setup of your Service Engine.
IMPORTANT:: Once run, this process will have configured
IMPORTANT:: the system for your location.
IMPORTANT::
IMPORTANT:: If you do not wish to continue, the system will be halted
IMPORTANT:: so it can be safely removed from the router.
IMPORTANT::

Do you wish to start configuration now (y,n)? y
Are you sure (y,n)? y
```

7. 选择是否还原现有配置。如果未曾在系统上保存配置，则不会出现此选项。大多数情况下，当升级完成时，目标是具有与升级之前相同的配置和数据。在这种情况下，还原已保存的配置速度稍快。此已保存的配置仅是系统上的运行配置（可使用 **show run** 命令查看）。它不包括任何问候语、口头名称、消息等。这些内容仍然需要还原。但是，它包含 DNS 服务器、NTP 服务器和时区信息，如果不包含，则需要手动输入。

```
IMPORTANT::
IMPORTANT:: A Cisco Unity Express configuration has been found in flash.
IMPORTANT:: You can choose to restore this configuration into the
IMPORTANT:: current image.
IMPORTANT::
IMPORTANT:: A stored configuration contains some of the data from a
IMPORTANT:: previous installation, but not as much as a backup. For
IMPORTANT:: example: voice messages, user passwords, user PINs, and
IMPORTANT:: auto attendant scripts are included in a backup, but are
IMPORTANT:: not saved with the configuration.
IMPORTANT::
IMPORTANT:: If you are recovering from a disaster and do not have a
IMPORTANT:: backup, you can restore the saved configuration.
IMPORTANT::
IMPORTANT:: If you are going to restore a backup from a previous
IMPORTANT:: installation, you should not restore the saved configuration.
IMPORTANT::
IMPORTANT:: If you choose not to restore the saved configuration, it
IMPORTANT:: will be erased from flash.
IMPORTANT::

Would you like to restore the saved configuration? (y,n) y
Are you sure (y,n)? y
```

8. 如果“n”在步骤7选择，提示对于DNS服务器、Ntp server和时间区域。完成后，系统将通过启动所有的应用程序来完成开机自检安装。这将花费几分钟的时间。在末端，提示用户创建管理员用户ID和密码：

```
Configuring the system. Please wait...
Changing owners and file permissions.
Change owners and permissions complete.
INIT: Switching to runlevel: 4
INIT: Sending processes the TERM signal
STARTED: cli_server.sh
STARTED: ntp_startup.sh
STARTED: LDAP_startup.sh
STARTED: superthread_startup.sh
STARTED: SQL_startup.sh
STARTED: HTTP_startup.sh
STARTED: ${ROOT}/usr/wfavvid/run
```

```
STARTED: probe
STARTED: dnwldr_startup.sh
```

```
waiting 160 ...
```

```
IMPORTANT::
IMPORTANT:: Administrator Account Creation
IMPORTANT::
IMPORTANT:: Create an administrator account. With this account,
IMPORTANT:: you can log in to the Cisco Unity Express GUI and
IMPORTANT:: run the initialization wizard.
IMPORTANT::
```

```
Enter administrator user ID:
  (user ID): administrator
Enter password for administrator:
  (password):
Confirm password for administrator by reentering it:
  (password):
```

```
cue-3660-41c>
```

9. **重要信息**：对于与 Cisco CallManager 集成的系统，系统现在会尝试注册到 Cisco CallManager。对于 Cisco Unity Express 2.0 及更高版本，如果 Cisco Unity Express 注册过程中检测到除当前运行之外的 JTAPI 版本，则它将安装兼容的 JTAPI 库并重新启动。例如，Cisco Unity Express 版本 2.1 将安装与 Cisco CallManager 4.1 兼容的 JTAPI 库。Cisco Unity Express 2.1 系统首次注册到除它支持的 4.1 之外的 Cisco CallManager (例如 4.0 或 3.3) 时，将加载新库并自动重新启动。如果 Cisco CallManager 正从一个版本升级到其他版本，则将执行相同的操作。这是正常现象。查看版本注释保证适当的 Cisco Unity Express 和 Cisco CallManager 兼容性。举例来说，Cisco Unity Express 2.0 不支持 Cisco CallManager 4.1。因此，它不会正常运行。

10. 输入 **show software versions** 命令为了验证系统软件：

```
cue-3660-41c>show software versions
Installed Packages:
- Bootloader (Primary)  1.0.17
- Global  2.0.1
- Voice Mail  2.0.1
- Bootloader (Secondary)  2.0.1
- Core  2.0.1
- Installer  2.0.1
- Auto Attendant  2.0.1
Installed Languages:
- US English  2.0.1
```

**注意**：您无需关注主要和次要引导加载程序版本的区别。这是正常现象。

11. 请验证应用的软件许可证。特别地，综合化类型(Cisco CallManager Express或Cisco CallManager)和端口和邮箱数量：

```
cue-3660-41c>show software licenses
Core:
- application mode: CCME
- total usable system ports: 4
Voicemail/Auto Attendant:
- max system mailbox capacity time: 6000
- max general delivery mailboxes: 5
- max personal mailboxes: 12
Languages:
- max installed languages: 1
- max enabled languages: 1
```

```
cue-3660-41c>
```

12. 执行恢复。如果您未还原先前的配置 ( 或更改了某些信息 ) ，您可能需要更改备份服务器信息。例如：

```
cue-3660-41c>offline
!!!WARNING!!!: Putting the system offline will terminate all active calls.
Do you wish to continue[n]? : y
cue-3660-41c(offline)>restore id 1 category all
Restore progress: 417227 bytes
Restore Complete.
Check Restore history for detailed information.
cue-3660-41c(offline)>show backup history
#Start Operation
Category:      Configuration
Backup Server: ftp://172.18.106.10/cue/41c
Operation:     Restore
Backupid:      1
Restoreid:     1
Date:          Mon Jan 10 15:01:02 EST 2005
Result:        Success
Reason:
#End Operation
#Start Operation
Category:      Data
Backup Server: ftp://172.18.106.10/cue/41c
Operation:     Restore
Backupid:      1
Restoreid:     1
Date:          Mon Jan 10 15:01:04 EST 2005
Result:        Success
Reason:
#End Operationcue-3660-41c(offline)>reload
cue-3660-41c(offline)>
MONITOR SHUTDOWN...
```

**注意：**实际的还原 ID ( 本示例中为 1 ) 特定于您的备份集。检查history.log文件为了获得最近的ID。有关备份和还原的详细信息，请参阅[使用 Microsoft FTP 服务器执行 Cisco Unity Express 备份和恢复](#)。您也可参阅一般文档中的备份和还原指南，例如[备份和还原数据](#)。

13. 访问 <http://<ip address of the CUE>> 以登录 Cisco Unity Express 网页。登陆与在步骤创建的管理员帐户8。如果先前已执行还原，则您无需更改任何信息。向导结束后会将您注销。

## [全双工示例升级](#)

这是升级从Cisco Unity Express版本1.1.2的一Cisco Unity Express网络模块的完整输出对Cisco Unity Express版本2.0.1：

```
cue-3660-41c>reload
Are you sure you want to reload?
Doing a reload will cause any unsaved configuration data to be lost.

Continue[y]? : y
cue-3660-41c>
MONITOR SHUTDOWN...
EXITED: probe exit status 0
EXITED: LDAP_startup.sh exit status 0
EXITED: HTTP_startup.sh exit status 0

MONITOR EXIT...
INIT: Sending processes the TERM signal
Remounting device 03:01 ... OK
Done.
```



Restarting system.

Initializing memory. Please wait. 256 MB SDRAM detected  
BIOS Version: SM 02.00  
BIOS Build date: 09/17/02  
System Now Booting ...

Booting from flash..., please wait.

[BOOT-ASM]  
7Found Intel 82371AB at 0x00000000 ROM address 0x00000000

Please enter '\*\*\*' to change boot configuration: \*\*\*Probing...[EEPROM]Found Intel EtherExpressPro100 at 0x00000000 ROM address 0x00000000  
Found Intel EtherExpressPro100 at 0x00000000 ROM address 0x00000000  
Ethernet addr: 00:11:20:F2:04:AF  
equalizer val: 16

ServicesEngine Bootloader Version : 1.0.17

ServicesEngine boot-loader>**config**

IP Address [14.80.227.141] >

Subnet mask [255.255.255.0] >

TFTP server [14.80.227.128] >

Gateway [14.80.227.140] >

Default Helper-file [cue-installer.2.0.1] >

Ethernet interface [internal] >

Default Boot [disk] >

Default bootloader [primary|secondary] [primary] >

ServicesEngine boot-loader>

ServicesEngine boot-loader> boot helper

Probing...[EEPROM]Found Intel EtherExpressPro100 at 0x00000000 ROM address 0x00000000

Found Intel EtherExpressPro100 at 0x00000000 ROM address 0x00000000

Ethernet addr: 00:11:20:F2:04:AF

equalizer val: 16

Me: 14.80.227.141, Server: 14.80.227.128, Gateway: 14.80.227.140

Loading cue-installer.2.0.1

Dbg: Final image size: 8692059

Debug: bl\_sz: 115296

reading key: 0

reading key: 1

reading key: 2

reading key: 3

reading key: 4

reading key: 5

in verifysignature\_md5, MD5 hash generated now, str format:hexmd5:a133f91b2adf8818ce5f26ad0cf49594

Verifying signature now...

calling RSA decrypt now

mem ptr: 0 704 832 968 1040 1172 1184 1196 1208 1220 1228 1244 1268 1284 1300 1  
316 1332 1344 1360 1384 1400 1664 1804 2080 2224 2364 2880 3396 3660 3924 4188

RSA decrypt returned:33

verifysignature\_md5, Orig MD5 hash generated during encryption:a133f91b2adf8818  
ce5f26ad0cf49594

Image signature verified successfully

Aesop Helper: system image header: v=2, b=942206, i=7747337

Network boot: moving 3072 code bytes to 0x90000

....

Network boot: invoking kernel now

[BOOT-PHASE2]: booting kernel

Linux version 2.4.24 (bld\_adm@bld-system) (gcc version 2.95.3 20010315

(release)) #1 Wed Dec 1 10:15:11 PST 2004

Platform: nm

setup.c: handling flash window at [15MB..16MB]

setup.c: handling kernel log buf at [245.5MB]

setup.c: handling trace buf at [246MB]

BIOS-provided physical RAM map:

BIOS-e820: 0000000000000000 - 000000000009f400 (usable)  
BIOS-e820: 000000000009f400 - 00000000000a0000 (reserved)  
BIOS-e820: 00000000000e0800 - 0000000000100000 (reserved)  
BIOS-e820: 0000000000100000 - 0000000000f00000 (usable)  
BIOS-e820: 0000000000f00000 - 0000000001000000 (reserved)  
BIOS-e820: 0000000001000000 - 000000000f580000 (usable)  
BIOS-e820: 000000000f580000 - 000000000f600000 (reserved)  
BIOS-e820: 000000000f600000 - 0000000010000000 (reserved)  
BIOS-e820: 00000000ffff0000 - 0000000100000000 (reserved)

245MB LOWMEM available.

On node 0 totalpages: 62848

zone(0): 4096 pages.

zone(1): 58752 pages.

zone(2): 0 pages.

DMI not present.

Kernel command line: root=/dev/ram ramdisk\_size=200000 ramdisk\_start=0x6000000

console=ttyS0,9600n8 plat=nm

Initializing CPU#0

Detected 498.680 MHz processor.

Calibrating delay loop... 996.14 BogoMIPS

Memory: 237488k/251392k available (1207k kernel code, 12492k reserved,  
690k data, 92k init, 0k highmem)

kdb version 4.3 by Keith Owens, Scott Lurndal. Copyright SGI, All Rights Reserved

in atrace\_init

log\_head: h: 0, t: 10069583, l: 0, w: 0, s: 10484672

Using existing trace log

log\_head: h: 0, t: 10069583, l: 0, w: 0, s: 10484672

Dentry cache hash table entries: 32768 (order: 6, 262144 bytes)

Inode cache hash table entries: 16384 (order: 5, 131072 bytes)

Mount cache hash table entries: 512 (order: 0, 4096 bytes)

Buffer cache hash table entries: 16384 (order: 4, 65536 bytes)

Page-cache hash table entries: 65536 (order: 6, 262144 bytes)

CPU: L1 I cache: 16K, L1 D cache: 16K

CPU: L2 cache: 256K

CPU serial number disabled.

CPU: Intel Pentium III (Coppermine) stepping 0a

Enabling fast FPU save and restore... done.

Enabling unmasked SIMD FPU exception support... done.

Checking 'hlt' instruction... OK.

POSIX conformance testing by UNIFIX

PCI: PCI BIOS revision 2.10 entry at 0xeab9c, last bus=0

PCI: Using configuration type 1

PCI: Probing PCI hardware

PCI: Probing PCI hardware (bus 00)

Limiting direct PCI/PCI transfers.  
Linux NET4.0 for Linux 2.4  
Based upon Swansea University Computer Society NET3.039  
Initializing RT netlink socket  
Starting kswapd  
kinoded started  
VFS: Disk quotas vdquot\_6.5.1  
devfs: vl.12c (20020818) Richard Gooch (rgooch@atnf.csiro.au)  
devfs: devfs\_debug: 0x0  
devfs: boot\_options: 0x1  
Serial driver version 5.05c (2001-07-08) with MANY\_PORTS SHARE\_IRQ  
SERIAL\_PCI enabled  
ttyS00 at 0x03f8 (irq = 4) is a 16550A  
ttyS01 at 0x02f8 (irq = 3) is a 16550A  
Cisco ContentEngine Flash Driver Version 0.02  
RAMDISK driver initialized: 16 RAM disks of 200000K size 1024 blocksize  
eepro100.c:vl.09j-t 9/29/99 Donald Becker  
<http://www.scyld.com/network/eepro100.html>  
eepro100.c: \$Revision: 1.36 \$ 2000/11/17  
Modified by Andrey V. Savochkin and others  
eth0: PCI device 8086:1229, 00:11:20:F2:04:AE, IRQ 9.  
Receiver lock-up bug exists -- enabling work-around.  
Board assembly 668081-002, Physical connectors present: RJ45  
Primary interface chip i82555 PHY #1.  
General self-test: passed.  
Serial sub-system self-test: passed.  
Internal registers self-test: passed.  
ROM checksum self-test: passed (0x04f4518b).  
Receiver lock-up workaround activated.  
eth1: PCI device 8086:1229, 00:11:20:F2:04:AF, IRQ 10.  
Receiver lock-up bug exists -- enabling work-around.  
Board assembly 668081-002, Physical connectors present: RJ45  
Primary interface chip i82555 PHY #1.  
General self-test: passed.  
Serial sub-system self-test: passed.  
Internal registers self-test: passed.  
ROM checksum self-test: passed (0x04f4518b).  
Receiver lock-up workaround activated.  
Uniform Multi-Platform E-IDE driver Revision: 7.00beta4-2.4  
ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx  
PIIX4: IDE controller at PCI slot 00:07.1  
PIIX4: chipset revision 1  
PIIX4: not 100% native mode: will probe irqs later  
ide0: BM-DMA at 0xfc00-0xfc07, BIOS settings: hda:prio, hdb:prio  
ide1: BM-DMA at 0xfc08-0xfc0f, BIOS settings: hdc:prio, hdd:prio  
hda: C/H/S=50127/232/176 from BIOS ignored  
hdb: C/H/S=0/0/0 from BIOS ignored  
hda: IC25N020ATMR04-0, ATA DISK drive  
blk: queue c031e040, I/O limit 4095Mb (mask 0xffffffff)  
ide0 at 0x1f0-0x1f7,0x3f6 on irq 14  
hda: attached ide-disk driver.  
hda: host protected area => 1  
hda: 39070080 sectors (20004 MB) w/1740KiB Cache, CHS=2432/255/63, UDMA(33)  
init unit number == 0  
Partition check:  
/dev/ide/host0/bus0/target0/lun0: p1  
device capacity not supported  
Flash capacity == 39070080  
init unit number == 1  
IEEE 802.2 LLC for Linux 2.1 (c) 1996 Tim Alpaerts  
NET4: Linux TCP/IP 1.0 for NET4.0  
IP Protocols: ICMP, UDP, TCP, IGMP  
IP: routing cache hash table of 2048 buckets, 16Kbytes  
TCP: Hash tables configured (established 16384 bind 16384)

NET4: Unix domain sockets 1.0/SMP for Linux NET4.0.  
RAMDISK: Compressed image found at block 100663296  
Freeing initrd memory: 7565k freed  
VFS: Mounted root (ext2 filesystem) readonly.  
Mounted devfs on /dev  
Init drive control  
Freeing unused kernel memory: 92k freed  
INIT: version 2.84 booting  
Started device management daemon v1.3.25 for /dev  
  
/dev/root: clean, 924/5984 files, 21644/28248 blocks

FILESYSTEM CLEAN  
Remounting the root filesystem read-write...

kernel.sem = 28672 32000 32 128

Welcome to Cisco Service Engine

Wed Jan 1 00:00:00 UTC 2003

\*\*\*\*\* rc.aesop \*\*\*\*\*  
==> eth1 exists, we must be running on a Network Module  
==> eth1 exists, we must be running on a Network Module

Router communications servers initializing...complete.  
IOS IP Address Registration complete.

Kernel IP routing table

Destination	Gateway	Genmask	Flags	MSS Window	irtt	Iface
14.80.227.0	*	255.255.255.0	U	0 0	0	eth1
127.0.0.0	*	255.0.0.0	U	0 0	0	lo
default	14.80.227.140	0.0.0.0	UG	0 0	0	eth1

Size of buff is: 65536

65536 bytes written

Reading License... /tmp/license/voicemail\_lic.sig  
done

[13311 refs]

Reading Limits... Processing: /lib/python2.3/startup/limits.xml  
done

[9662 refs]

ModuleType = nm

INIT: Entering runlevel: 2

\*\*\*\*\* rc.post\_install \*\*\*\*\*

Changing owners and file permissions.  
Change owners and permissions complete.

INIT: Switching to runlevel: 4

INIT: Sending processes the TERM signal

STARTED: dwnldr\_startup.sh

Welcome to Cisco Systems Service Engine Helper Software

Please select from the following

1 Install software

2 Reload module

(Type '?' at any time for help)

Choice: 1

Package name: cue-vm.2.0.1.pkg

Server url: ftp://14.80.227.128/2.0.1

Username: cse

Password:

WARNING:: Software installation will clear disk contents

Continue [n]? y

Downloading cue-vm.2.0.1.pkg  
Bytes downloaded : 1448

Validating package signature ... done

Downloading cue-vm-lang-pack.2.0.1.pkg  
Bytes downloaded : 147456

Validating package signature ... done  
Language Selection Menu:

#	Selected	SKU	Language Name
1		FRA	CUE Voicemail European French (2.0.1)
2		ESP	CUE Voicemail European Spanish (2.0.1)
3		DEU	CUE Voicemail German (2.0.1)
4		ENG	CUE Voicemail US English (2.0.1)

Available commands are:

# - enter the number for the language to select one  
r # - remove the language for given #  
i # - more information about the language for given #  
x - Done with language selection

> 4

Language Selection Menu:

#	Selected	SKU	Language Name
1		FRA	CUE Voicemail European French (2.0.1)
2		ESP	CUE Voicemail European Spanish (2.0.1)
3		DEU	CUE Voicemail German (2.0.1)
4	*	ENG	CUE Voicemail US English (2.0.1)

Available commands are:

# - enter the number for the language to select one  
r # - remove the language for given #  
i # - more information about the language for given #  
x - Done with language selection

> x

type: bootloader  
cleaning fs  
prepfs.sh: nm reiser /mnt clean  
umount: /dev/hda1: not mounted  
check\_partition\_count: 0  
check\_partition\_flag: 1

The number of cylinders for this disk is set to 2432.  
There is nothing wrong with that, but this is larger than 1024,  
and could in certain setups cause problems with:  
1) software that runs at boot time (e.g., old versions of LILO)  
2) booting and partitioning software from other OSs  
(e.g., DOS FDISK, OS/2 FDISK)

Command (m for help): Partition number (1-4):

Command (m for help): Command action

e extended  
p primary partition (1-4)

Partition number (1-4): First cylinder (1-2432, default 1):

Using default value 1

Last cylinder or +size or +sizeM or +sizeK (1-2432, default 2432):

Using default value 2432

Command (m for help): The partition table has been altered!

Calling ioctl() to re-read partition table.  
Syncing disks.

<-----mkreiserfs, 2003----->  
reiserfsprogs 3.6.8

mkreiserfs: Guessing about desired format..  
mkreiserfs: Kernel 2.4.24 is running.  
Initializing journal - 0%....20%....40%....60%....80%....100%  
Starting payload download  
File : cue-vm-en\_US-lang-pack.2.0.1.prt1 Bytes : 18612224

Validating payloads match registered checksums...  
- cue-vm-full.2.0.1.prt1 .....verified  
- cue-vm-en\_US-lang-pack.2.0.1.prt1 .....verified

No installed manifests found.

Clearing previous downgrade files ... complete.

Performing Hot install ...starting\_phase:

install-files.sh /mnt/dwnld/.hot\_work\_order

install\_file /mnt/dwnld/pkgdata/cue-vm-full.2.0.1.prt1

0 \_\_CUE\_PRIMARY\_BOOTLOADER\_\_ gz

add\_file /mnt/dwnld/pkgdata/cue-vm.2.0.1.pkg 2

/mnt/sw/installed/manifest/bootloader\_prim\_manifest.sig none

install\_file /mnt/dwnld/pkgdata/cue-vm-full.2.0.1.prt1

1 \_\_CUE\_SECONDARY\_BOOTLOADER\_\_ gz

add\_file /mnt/dwnld/pkgdata/cue-vm.2.0.1.pkg 3 /mnt

sw/installed/manifest/bootloader\_sec\_manifest.sig none

complete.

wo\_path /mnt/dwnld/.work\_order

sc /bin/installer\_shutdown.sh /mnt/dwnld/.work\_order

Shutting down processes ... Please wait

.  
.

[20219 refs]

Process shutdown complete.

starting\_phase:

install-files.sh /mnt/dwnld/.work\_order

Fri Dec 3 19:40:02 UTC 2004

Remove /mnt//

root directory

removing install\_tmp

removing sw

add\_file /mnt/dwnld/pkgdata/cue-vm-en\_US-lang-pack.2.0.1.prt1 1 /mnt tgz

add\_file /mnt/dwnld/pkgdata/cue-vm-full.2.0.1.prt1 5 /mnt tgz

add\_file /mnt/dwnld/pkgdata/cue-vm-full.2.0.1.prt1 7 /mnt tgz

add\_file /mnt/dwnld/pkgdata/cue-vm-full.2.0.1.prt1 9 /mnt tgz

add\_file /mnt/dwnld/pkgdata/cue-vm-full.2.0.1.prt1 11 /mnt tgz

extract\_mv\_file /mnt/dwnld/pkgdata/cue-vm-full.2.0.1.prt1 3 /mnt lib tgz

extract\_mv\_file /mnt/dwnld/pkgdata/cue-vm-full.2.0.1.prt1 3 /mnt bin tgz

extract\_mv\_file /mnt/dwnld/pkgdata/cue-vm-full.2.0.1.prt1 3 /mnt etc tgz

extract\_mv\_file /mnt/dwnld/pkgdata/cue-vm-full.2.0.1.prt1 3 /mnt sbin tgz

install\_file P1x9waI0kGGBGZbTCw/mKEgwSbrtCvlAKujkzbIOKj6Xfsvb5HfXn9LHJe8uQU

nZXAWch= \_\_BZ\_SIGNATURE\_\_

bzsig ldbl -m nm -t bzsig P1x9waI0kGGBGZbTCw/mKEgwSbrtCvlAKujkzbIOKj6XLdvHK+  
7PdNpMNYD8w=

add\_file /mnt/dwnld/pkgdata/cue-vm-full.2.0.1.prt1 3 /mnt bzImage tgz

add\_file /mnt/dwnld/pkgdata/cue-vm.2.0.1.pkg 2 /mnt

sw/installed/manifest/bootloader\_prim\_manifest.sig none

add\_file /mnt/dwnld/pkgdata/cue-vm.2.0.1.pkg 6 /mnt

sw/installed/manifest/infrastructure\_manifest.sig none

```
add_file /mnt/dwnld/pkgdata/cue-vm.2.0.1.pkg 1 /mnt
sw/installed/manifest/global_manifest.sig none
add_file /mnt/dwnld/pkgdata/cue-vm.2.0.1.pkg 7 /mnt
sw/installed/manifest/telephony_infrastructure_manifest.sig none
add_file /mnt/dwnld/pkgdata/cue-vm.2.0.1.pkg 8 /mnt
sw/installed/manifest/voicemail_manifest.sig none
add_file /mnt/dwnld/pkgdata/cue-vm.2.0.1.pkg 3 /mnt
sw/installed/manifest/bootloader_sec_manifest.sig none
add_file /mnt/dwnld/pkgdata/cue-vm.2.0.1.pkg 9 /mnt
sw/installed/manifest/installer_manifest.sig none
add_file /mnt/dwnld/pkgdata/cue-vm.2.0.1.pkg 4 /mnt
sw/installed/manifest/oscore_manifest.sig none
add_file /mnt/dwnld/pkgdata/cue-vm.2.0.1.pkg 5 /mnt
sw/installed/manifest/gpl_infrastructure_manifest.sig none
add_file /mnt/dwnld/pkgdata/cue-vm-lang-pack.2.0.1.pkg 1
/mnt sw/installed/manifest/en_US_lang_manifest.sig none
Remove /mnt/dwnld/pkgdata/cue-vm.2.0.1.pkg
Remove /mnt/dwnld/pkgdata/cue-vm-lang-pack.2.0.1.pkg
Remove /mnt/dwnld/pkgdata/cue-vm-full.2.0.1.prt1
Remove /mnt/dwnld/pkgdata/cue-vm-en_US-lang-pack.2.0.1.prt1
Performing final moves mnt_dir: /mnt
INIT: Sending processes the TERM signal
Remounting device 03:01 ... OK
Remounting device 01:00 ... OK
Done.
Restarting system.
```

```
Initializing memory. Please wait. 256 MB SDRAM detected
BIOS Version: SM 02.00
BIOS Build date: 09/17/02
System Now Booting ...
```

Booting from flash..., please wait.

```
[BOOT-ASM]
7Found Intel 82371AB at 0x00000000 ROM address 0x00000000
```

```
Please enter '***' to change boot configuration: Filesystem type is reiserfs,
partition type 0x83
kf: a1 : (hd0,0)/bzImage root=/dev/hda1 ro plat=nm
kf: a2 : (hd0,0)/bzImage root=/dev/hda1 ro plat=nm
in grub_open: (hd0,0)/bzImage root=/dev/hda1 ro plat=nm
in grub_open1: /bzImage root=/dev/hda1 ro plat=nm
in grub_open2: /bzImage root=/dev/hda1 ro plat=nm
in grub_open3: /bzImage root=/dev/hda1 ro plat=nm 1
in grub_open: (hd0,0)/bzImage root=/dev/hda1 ro plat=nm
in grub_open1: /bzImage root=/dev/hda1 ro plat=nm
in grub_open2: /bzImage root=/dev/hda1 ro plat=nm
in grub_open3: /bzImage root=/dev/hda1 ro plat=nm 1
In verify_kernel_sig
Chksum: final image size: 910364
plat: 1
Debug: bl_sz: 115296
After: buf_len: 2048
After KEY_InitMem
reading key: 0
reading key: 1
reading key: 2
reading key: 3
reading key: 4
reading key: 5
After karr
```

```
After 2: buf_len: 2048
sig len : 172
in verifysignature_md5, MD5 hash generated now, str format:hexmd5:ba809dd8cdb3d
54429a98c2b5b2f7c7e
Verifying signature now...
calling RSA decrypt now

mem ptr: 0 704 832 968 1040 1172 1184 1196 1208 1220 1228 1244 1268 1284 1300 1
316 1332 1344 1360 1384 1400 1664 1804 2080 2224 2364 2880 3396 3660 3924 4188
RSA decrypt returned:33
verifysignature_md5, Orig MD5 hash generated during encryption:ba809dd8cdb3d544
29a98c2b5b2f7c7e
Kernel signature verified successfully
In load_imageal
In load_imagea2
Dbg ***** filemax/data_len/SECSIZ: 910364/2560/512
  [Linux-bzImage, setup=0xa00, size=0xdd81c]
  kernel_func: kt: 3
in boot func: kt: 3
Linux version 2.4.24 (bld_adm@bld-system)
(gcc version 2.95.3 20010315 (release)) #1
Tue Nov 30 23:07:21 PST 2004
Platform: nm
setup.c: handling flash window at [15MB..16MB]
setup.c: handling kernel log buf at [245.5MB]
setup.c: handling trace buf at [246MB]
BIOS-provided physical RAM map:
 BIOS-e820: 0000000000000000 - 000000000009f400 (usable)
 BIOS-e820: 000000000009f400 - 00000000000a0000 (reserved)
 BIOS-e820: 00000000000e0800 - 0000000000100000 (reserved)
 BIOS-e820: 0000000000100000 - 0000000000f00000 (usable)
 BIOS-e820: 0000000000f00000 - 0000000001000000 (reserved)
 BIOS-e820: 0000000001000000 - 000000000f580000 (usable)
 BIOS-e820: 000000000f580000 - 000000000f600000 (reserved)
 BIOS-e820: 000000000f600000 - 0000000010000000 (reserved)
 BIOS-e820: 00000000ffff0000 - 0000000100000000 (reserved)
245MB LOWMEM available.
On node 0 totalpages: 62848
zone(0): 4096 pages.
zone(1): 58752 pages.
zone(2): 0 pages.
DMI not present.
Kernel command line: root=/dev/hda1 ro plat=nm
Initializing CPU#0
Detected 498.675 MHz processor.
Calibrating delay loop... 996.14 BogoMIPS
Memory: 245128k/251392k available (1164k kernel code,
4852k reserved, 667k data, 88k init, 0k highmem)
kdb version 4.3 by Keith Owens, Scott Lurndal. Copyright SGI, All Rights Reserved
in atrace_init
log_head: h: 0, t: 10069583, l: 0, w: 0, s: 10484672
Using existing trace log
log_head: h: 0, t: 10069583, l: 0, w: 0, s: 10484672
Dentry cache hash table entries: 32768 (order: 6, 262144 bytes)
Inode cache hash table entries: 16384 (order: 5, 131072 bytes)
Mount cache hash table entries: 512 (order: 0, 4096 bytes)
Buffer cache hash table entries: 16384 (order: 4, 65536 bytes)
Page-cache hash table entries: 65536 (order: 6, 262144 bytes)
CPU: L1 I cache: 16K, L1 D cache: 16K
CPU: L2 cache: 256K
CPU serial number disabled.
CPU: Intel Pentium III (Coppermine) stepping 0a
Enabling fast FPU save and restore... done.
Enabling unmasked SIMD FPU exception support... done.
```



```
Checking 'hlt' instruction... OK.
POSIX conformance testing by UNIFIX
PCI: PCI BIOS revision 2.10 entry at 0xeab9c, last bus=0
PCI: Using configuration type 1
PCI: Probing PCI hardware
PCI: Probing PCI hardware (bus 00)
Limiting direct PCI/PCI transfers.
Linux NET4.0 for Linux 2.4
Based upon Swansea University Computer Society NET3.039
Initializing RT netlink socket
Starting kswapd
kinoded started
VFS: Disk quotas vdquot_6.5.1
devfs: vl.12c (20020818) Richard Gooch (rgooch@atnf.csiro.au)
devfs: devfs_debug: 0x0
devfs: boot_options: 0x1
Serial driver version 5.05c (2001-07-08) with
MANY_PORTS SHARE_IRQ SERIAL_PCI enabled
ttyS00 at 0x03f8 (irq = 4) is a 16550A
ttyS01 at 0x02f8 (irq = 3) is a 16550A
Cisco ContentEngine Flash Driver Version 0.02
eepro100.c:vl.09j-t 9/29/99 Donald Becker
http://www.scyld.com/network/eepro100.html
eepro100.c: $Revision: 1.36 $ 2000/11/17 Modified by
Andrey V. Savochkin and others
eth0: PCI device 8086:1229, 00:11:20:F2:04:AE, IRQ 9.
    Receiver lock-up bug exists -- enabling work-around.
    Board assembly 668081-002, Physical connectors present: RJ45
    Primary interface chip i82555 PHY #1.
    General self-test: passed.
    Serial sub-system self-test: passed.
    Internal registers self-test: passed.
    ROM checksum self-test: passed (0x04f4518b).
    Receiver lock-up workaround activated.
eth1: PCI device 8086:1229, 00:11:20:F2:04:AF, IRQ 10.
    Receiver lock-up bug exists -- enabling work-around.
    Board assembly 668081-002, Physical connectors present: RJ45
    Primary interface chip i82555 PHY #1.
    General self-test: passed.
    Serial sub-system self-test: passed.
    Internal registers self-test: passed.
    ROM checksum self-test: passed (0x04f4518b).
    Receiver lock-up workaround activated.
Uniform Multi-Platform E-IDE driver Revision: 7.00beta4-2.4
ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx
PIIX4: IDE controller at PCI slot 00:07.1
PIIX4: chipset revision 1
PIIX4: not 100% native mode: will probe irqs later
    ide0: BM-DMA at 0xfc00-0xfc07, BIOS settings: hda:prio, hdb:prio
    ide1: BM-DMA at 0xfc08-0xfc0f, BIOS settings: hdc:prio, hdd:prio
hda: C/H/S=50127/232/176 from BIOS ignored
hdb: C/H/S=0/0/0 from BIOS ignored
hda: IC25N020ATMR04-0, ATA DISK drive
blk: queue c030c160, I/O limit 4095Mb (mask 0xffffffff)
ide0 at 0x1f0-0x1f7,0x3f6 on irq 14
hda: attached ide-disk driver.
hda: host protected area => 1
hda: 39070080 sectors (20004 MB) w/1740KiB Cache, CHS=2432/255/63, UDMA(33)
init unit number == 0
Partition check:
    /dev/ide/host0/bus0/target0/lun0: p1
device capacity not supported
Flash capacity == 39070080
init unit number == 1
```

IEEE 802.2 LLC for Linux 2.1 (c) 1996 Tim Alpaerts  
NET4: Linux TCP/IP 1.0 for NET4.0  
IP Protocols: ICMP, UDP, TCP, IGMP  
IP: routing cache hash table of 2048 buckets, 16Kbytes  
TCP: Hash tables configured (established 16384 bind 16384)  
NET4: Unix domain sockets 1.0/SMP for Linux NET4.0.  
reiserfs: found format "3.6" with standard journal  
reiserfs: using ordered data mode  
reiserfs: checking transaction log (device ide0(3,1)) ...  
for (ide0(3,1))  
ide0(3,1):Using r5 hash to sort names  
VFS: Mounted root (reiserfs filesystem) readonly.  
Mounted devfs on /dev  
Init drive control  
Freeing unused kernel memory: 88k freed  
INIT: version 2.84 booting  
Started device management daemon v1.3.25 for /dev  
reiser root fs ...

Reiserfs super block in block 16 on 0x301 of format 3.6 with standard journal  
Blocks (total/free): 4883752/4837151 by 4096 bytes  
Filesystem is cleanly unmounted  
Filesystem seems mounted read-only. Skipping journal replay.  
Checking internal tree..finished

FILESYSTEM CLEAN  
Remounting the root filesystem read-write...

kernel.sem = 28672 32000 32 128

Welcome to Cisco Service Engine

Fri Dec 3 19:40:51 UTC 2004

\*\*\*\*\* rc.aesop \*\*\*\*\*  
==> eth1 exists, we must be running on a Network Module  
==> eth1 exists, we must be running on a Network Module

Router communications servers initializing...complete.  
IOS IP Address Registration complete.

Kernel IP routing table

Destination	Gateway	Genmask	Flags	MSS Window	irtt	Iface
14.80.227.0	*	255.255.255.0	U	0 0	0	eth1
127.0.0.0	*	255.0.0.0	U	0 0	0	lo
default	14.80.227.140	0.0.0.0	UG	0 0	0	eth1

Size of buff is: 65536

65536 bytes written

Reading License... /tmp/license/voicemail\_lic.sig  
done

[13311 refs]

Processing: /sw/installed/manifest/gpl\_infrastructure\_manifest.sig  
Processing: /sw/installed/manifest/installer\_manifest.sig  
Processing: /sw/installed/manifest/en\_US\_lang\_manifest.sig  
Processing: /sw/installed/manifest/oscore\_manifest.sig  
Processing: /sw/installed/manifest/telephony\_infrastructure\_manifest.sig  
Processing: /sw/installed/manifest/bootloader\_prim\_manifest.sig  
Processing: /sw/installed/manifest/bootloader\_sec\_manifest.sig  
Processing: /sw/installed/manifest/global\_manifest.sig  
Processing: /sw/installed/manifest/infrastructure\_manifest.sig  
Processing: /sw/installed/manifest/voicemail\_manifest.sig  
Populating internal database ..... complete.

[16589 refs]

```
Reading Limits... Processing: /lib/python2.3/startup/limits.xml
done
[9662 refs]
ModuleType = nm
INIT: Entering runlevel: 2
***** rc.post_install *****
```

```
IMPORTANT::
IMPORTANT:: Welcome to Cisco Systems Service Engine
IMPORTANT:: post installation configuration tool.
IMPORTANT::
IMPORTANT:: This is a one time process which will guide
IMPORTANT:: you through initial setup of your Service Engine.
IMPORTANT:: Once run, this process will have configured
IMPORTANT:: the system for your location.
IMPORTANT::
IMPORTANT:: If you do not wish to continue, the system will be halted
IMPORTANT:: so it can be safely removed from the router.
IMPORTANT::
```

```
Do you wish to start configuration now (y,n)? y
Are you sure (y,n)? y
```

```
IMPORTANT::
IMPORTANT:: A Cisco Unity Express configuration has been found in flash.
IMPORTANT:: You can choose to restore this configuration into the
IMPORTANT:: current image.
IMPORTANT::
IMPORTANT:: A stored configuration contains some of the data from a
IMPORTANT:: previous installation, but not as much as a backup. For
IMPORTANT:: example: voice messages, user passwords, user PINs, and
IMPORTANT:: auto attendant scripts are included in a backup, but are
IMPORTANT:: not saved with the configuration.
IMPORTANT::
IMPORTANT:: If you are recovering from a disaster and do not have a
IMPORTANT:: backup, you can restore the saved configuration.
IMPORTANT::
IMPORTANT:: If you are going to restore a backup from a previous
IMPORTANT:: installation, you should not restore the saved configuration.
IMPORTANT::
IMPORTANT:: If you choose not to restore the saved configuration, it
IMPORTANT:: will be erased from flash.
IMPORTANT::
```

```
Would you like to restore the saved configuration? (y,n) y
Are you sure (y,n)? y
```

```
Configuring the system. Please wait...
Changing owners and file permissions.
Change owners and permissions complete.
INIT: Switching to runlevel: 4
INIT: Sending processes the TERM signal
STARTED: cli_server.sh
STARTED: ntp_startup.sh
STARTED: LDAP_startup.sh
STARTED: superthread_startup.sh
STARTED: SQL_startup.sh
STARTED: HTTP_startup.sh
STARTED: ${ROOT}/usr/wfavvid/run
STARTED: probe
STARTED: dnwldr_startup.sh
```

```
waiting 160 ...
```

IMPORTANT::  
IMPORTANT:: Administrator Account Creation  
IMPORTANT::  
IMPORTANT:: Create an administrator account. With this account,  
IMPORTANT:: you can log in to the Cisco Unity Express GUI and  
IMPORTANT:: run the initialization wizard.  
IMPORTANT::

Enter administrator user ID:  
(user ID): administrator  
Enter password for administrator:  
(password):  
Confirm password for administrator by reentering it:  
(password):

cue-3660-41c>

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