

CallManager的活动目录补丁程序用已经安装的Exchange 2000

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[Introduction](#)

有一个已知问题，当集成Cisco CallManager与Microsoft Windows 2000激活目录(AD)时，当已经安装Microsoft Exchange 2000。当与labeledURI IDAPDisplayName的一个labeledURI模式对象已经存在于AD时，此问题可能出现。

[Prerequisites](#)

[Requirements](#)

在尝试此配置前，请保证您符合这些要求：

- 读[XADM：运行Exchange 2000设置以/Forestprep请交换产生错误0XC1037AE6](#)。
- 下载[Windows 2000 InetOrgPerson工具包](#) 补丁程序。

[Components Used](#)

本文档中的信息基于以下软件和硬件版本：

- Cisco CallManager
- Microsoft Windows 2000 AD
- Microsoft Exchange 2000

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

相关产品

此配置也可用于以下硬件和软件版本：

- Cisco Unity用Exchange 2000

Conventions

有关文档规则的详细信息，请参阅 [Cisco 技术提示规则](#)。

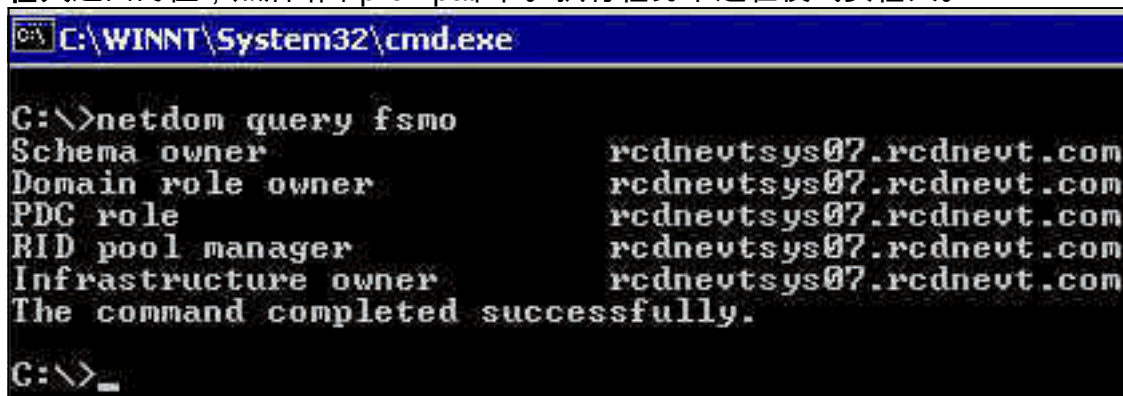
主要主要任务

逐步指导

遵从这些步骤执行配置：

Note: 这些步骤也适用于Cisco CallManager存在的环境，在Exchange 2000在AD上前安装，并且Exchange 2000安装发生故障。

1. 确定拿着模式主设备的Windows 2000域控制器通过发出netdom查询fsmo命令。注释为**模式责任人**返回的值，然后结束prompt命令。执行任务下述在模式责任人。



```
C:\WINNT\System32\cmd.exe

C:\>netdom query fsmo
Schema owner          rcdnevt.sys07.rcdnevt.com
Domain role owner    rcdnevt.sys07.rcdnevt.com
PDC role              rcdnevt.sys07.rcdnevt.com
RID pool manager     rcdnevt.sys07.rcdnevt.com
Infrastructure owner  rcdnevt.sys07.rcdnevt.com
The command completed successfully.

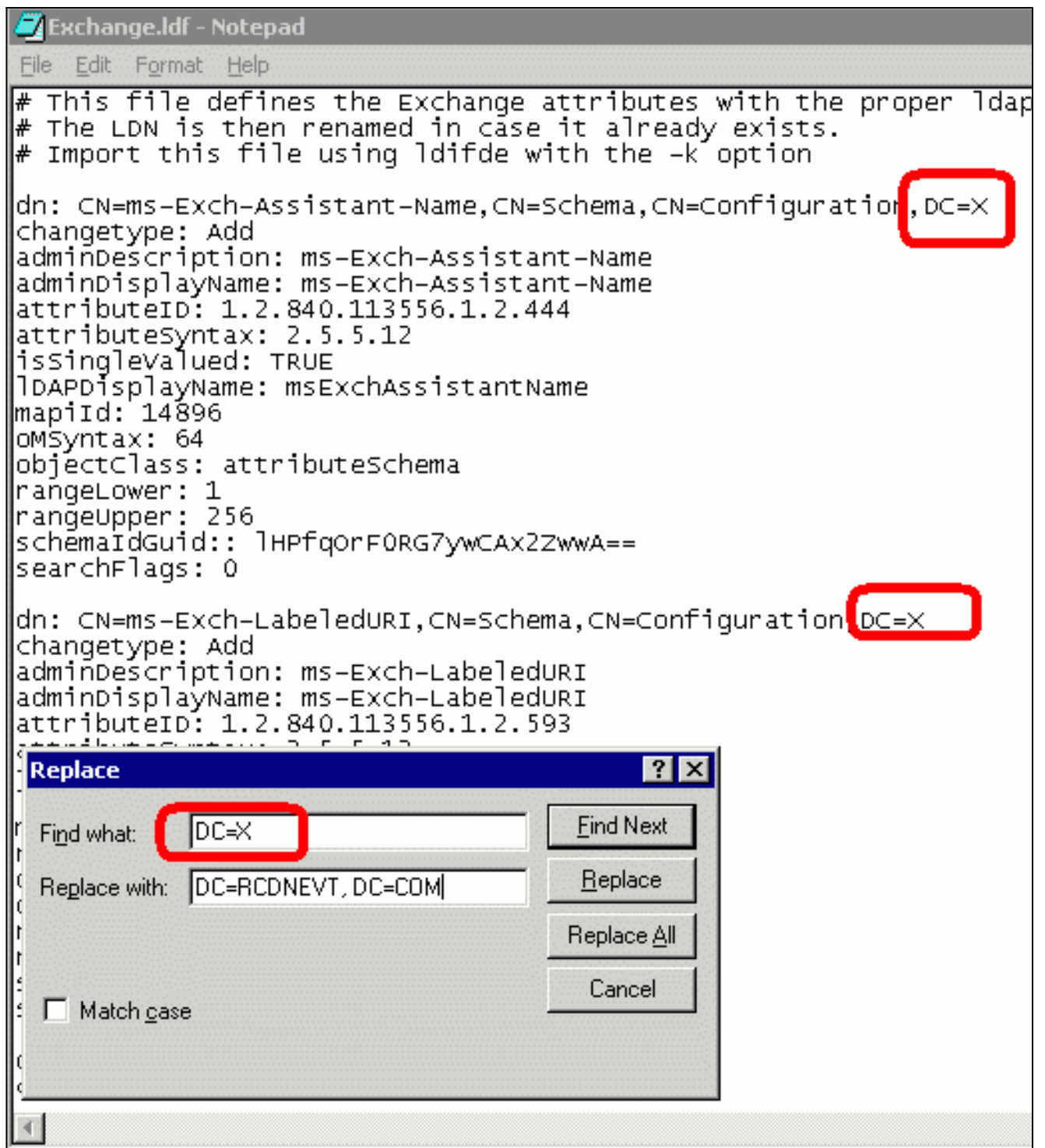
C:\>_
```

2. 扩展W2k_iop_kit.exe文件，然后抽出文件对C:\lnetorg。您可以必须创建C:\lnetorg文件夹。
3. 在运行作为域控制器的Windows 2000基于服务器的计算机上，请选择Start > Run，然后键入LDP并且按Enter。
4. 在LDP中，请点击**连接**，然后点击**连接**。在新Connect窗口中，请输入**服务器名或IP地址**，并且留下端口作为389。留给**无连接**被不选定。
5. 确定rootDomainNamingContext值。

The screenshot shows an LDAP browser window with the title bar "ldap://rcdnevt.sys08.rcdnevt.com/DC=rcdnevt,DC=com". The window contains a list of LDAP entries and their attributes. The entry "rootDomainNamingContext: DC=rcdnevt,DC=com;" is highlighted in blue. The attributes listed for this entry include supportedControl, supportedLDAPVersion, supportedLDAPPolicies, highestCommittedUSN, supportedSASLMechanisms, dnsHostName, ldapServiceName, and serverName. The status bar at the bottom left shows "Ready" and the bottom right shows "CAP NUM".

```
CN=Aggregate,CN=Schema,CN=Configuration,DC=rcdnevt,DC=com;
  1> dsServiceName: CN=NTDS
Settings,CN=RCDNEVTSYS08,CN=Servers,CN=Default-First-Site-Name,CN=Sites,
CN=Configuration,DC=rcdnevt,DC=com;
  3> namingContexts:
CN=Schema,CN=Configuration,DC=rcdnevt,DC=com;
CN=Configuration,DC=rcdnevt,DC=com; DC=rcdnevt,DC=com;
  1> defaultNamingContext: DC=rcdnevt,DC=com;
  1> schemaNamingContext:
CN=Schema,CN=Configuration,DC=rcdnevt,DC=com;
  1> configurationNamingContext: CN=Configuration,DC=rcdnevt,DC=com;
  1> rootDomainNamingContext: DC=rcdnevt,DC=com;
  16> supportedControl: 1.2.840.113556.1.4.319; 1.2.840.113556.1.4.801;
1.2.840.113556.1.4.473; 1.2.840.113556.1.4.528; 1.2.840.113556.1.4.417;
1.2.840.113556.1.4.619; 1.2.840.113556.1.4.841; 1.2.840.113556.1.4.529;
1.2.840.113556.1.4.805; 1.2.840.113556.1.4.521; 1.2.840.113556.1.4.970;
1.2.840.113556.1.4.1338; 1.2.840.113556.1.4.474; 1.2.840.113556.1.4.1339;
1.2.840.113556.1.4.1340; 1.2.840.113556.1.4.1413;
  2> supportedLDAPVersion: 3; 2;
  12> supportedLDAPPolicies: MaxPoolThreads; MaxDatagramRecv;
MaxReceiveBuffer; InitRecvTimeout; MaxConnections; MaxConnIdleTime;
MaxActiveQueries; MaxPageSize; MaxQueryDuration; MaxTempTableSize;
MaxResultSetSize; MaxNotificationPerConn;
  1> highestCommittedUSN: 120417;
  2> supportedSASLMechanisms: GSSAPI; GSS-SPNEGO;
  1> dnsHostName: rcdnevt.sys08.rcdnevt.com;
  1> ldapServiceName: rcdnevt.com:rcdnevt.sys08$@RCDNEVT.COM;
  1> serverName:
CN=RCDNEVTSYS08,CN=Servers,CN=Default-First-Site-Name,CN=Sites,CN=Conf
iguration,DC=rcdnevt,DC=com;
  2> supportedCapabilities: 1.2.840.113556.1.4.800;
1.2.840.113556.1.4.1791;
  1> isSynchronized: TRUE;
  1> isGlobalCatalogReady: TRUE;
```

6. 打开在Notepad的C:\InetOrg\Exchange.ldf。在有DC=X的每条线路，请用上信息替换X。在本例中它是DC=rcdnevt，Dc=com。
7. 保存本文。



8. 复制被修改的Exchange.ldf文件到在运行作为模式责任人， driveis驱动Windows安装的域控制器的drive:\Winnt\System32文件夹。在Cisco ICS 7700系列综合通信设备，文件夹是c:w2kssystem32。
9. 去prompt命令并且发出ldifde - i - f c:\winnt\system32\exchange.ldf命令。示例输出如下：
:

```

C:\WINNT\System32\cmd.exe
C:\>ldifde -i -f C:\winnt\system32\exchange.ldf -v
Connecting to "rcdnevt07.rcdnevt.com"
Logging in as current user using SSPI
Importing directory from file "C:\winnt\system32\exchange.ldf"
Loading entries
1: CN=ms-Exch-Assistant-Name,CN=Schema,CN=Configuration,DC=rcdnevt,DC=com

Add error on line 5: #Already Exists
The server side error is "An attempt was made to add an object to the directory with a name that is already in use."
0 entries modified successfully.
An error has occurred in the program.
C:\>

Exchange.Ldf - Notepad
File Edit Format Help
# This file defines the Exchange attributes with the proper ldapdisplayName (LDN).
# The LDN is then renamed in case it already exists.
# Import this file using ldifde with the -k option

dn: CN=ms-Exch-Assistant-Name,CN=Schema,CN=Configuration,DC=rcdnevt,DC=com
changetype: Add
adminDescription: ms-Exch-Assistant-Name
adminDisplayName: ms-Exch-Assistant-Name
attributeID: 1.2.840.113556.1.2.444
attributeSyntax: 2.5.5.12
isSingleValued: TRUE
ldapDisplayName: msExchAssistantName
mapID: 14896
oMSyntax: 64
objectClass: attributeSchema
rangeLower: 1
rangeUpper: 256
schemaIDGUID: {1HPTgqFFURG/ywCAx2ZwwA=}
searchFlags: 0

dn: CN=ms-Exch-LabeledURI,CN=Schema,CN=Configuration,DC=rcdnevt,DC=com
changetype: Add
adminDescription: ms-Exch-LabeledURI
adminDisplayName: ms-Exch-LabeledURI

```

10. 不同配置每个AD模式。在的上面的例子中，CN=ms-Exch-Assistant-Name CN=Schema CN=Configuration DC=rcdnevt Dc=com已经存在，并且不可能导入exchange.ldf的第5行。结果，在第5行开始的部分被删除了。注意每个部分从dn开始：

11. 下面的输出显示命令ldifde -i -f c:\winnt\system32\exchange.ldf -再发出，与相似的输出的v。由于错误在第6行，请删除开始在第6行的部分，如显示这里：

```

C:\WINNT\System32\cmd.exe

C:\>ldifde -i -f C:\winnt\system32\exchange.ldf -v
Connecting to "rcdnevt.sys07.rcdnevt.com"
Logging in as current user using SSPI
Importing directory from file "C:\winnt\system32\exchange.ldf"
Loading entries
1: CN=ms-Exch-LabeledURI,CN=Schema,CN=Configuration,DC=rcdnevt,DC=com

Add error on line 6: Already Exists
The server side error is "An attempt was made to add an object to the directory with
0 entries modified successfully.
An error has occurred in the program

C:\>

```

```

Exchange.Ldf - Notepad
File Edit Format Help
# 1 This file defines the Exchange attributes with the proper ldapDisplayName (LDN).
# 2 The LDN is then renamed in case it already exists.
# 3 Import this file using ldifde with the -k option
# 4
# 5
dn: CN=ms-Exch-LabeledURI,CN=Schema,CN=Configuration,DC=rcdnevt,DC=com
changetype: Add
adminDescription: ms-Exch-LabeledURI
adminDisplayName: ms-Exch-LabeledURI
attributeID: 1.2.840.113556.1.2.593
attributesyntax: 2.5.5.12
issinglevalued: FALSE
ldapDisplayName: msExchLabeledURI
mapID: 35921
name: ms-Exch-LabeledURI
oMSyntax: 64
objectClass: attributeSchema
rangeLower: 1
rangeUpper: 1024
schemaIDGUID: IFh3FvNH0RGpwwAA+ANrwQ==
searchFlags: 0
dn:
changetype: Modify

```

12. 重复第9步和第10步当必要时。
13. 成功的导入的输出显示得这里

```

:
C:\>ldifde -i -f C:\winnt\system32\exchange.ldf -v
Connecting to "rcdnevt.sys07.rcdnevt.com"
Logging in as current user using SSPI
Importing directory from file "C:\winnt\system32\exchange.ldf"
Loading entries
1: <null>
Entry modified successfully.

2: CN=ms-Exch-Assistant-Name,CN=Schema,CN=Configuration,DC=rcdnevt,DC=com
Entry modified successfully.

3: CN=ms-Exch-LabeledURI,CN=Schema,CN=Configuration,DC=rcdnevt,DC=com
Entry modified successfully.

4: <null>
Entry modified successfully.

4 entries modified successfully.

The command has completed successfully

```

14. 您能当前集成Cisco CallManager与AD。

Verify

如果插件安装失败，检查这两个文件和他们的各自错误信息：

1. c:\DCDSrvr\log\at_schema_reject.txt

```
# Error: DSA is unwilling to perform
dn: cn=labeledURI,cn=Schema,cn=Configuration,dc=rcdnevt,dc=com
changetype: add
adminDisplayName: labeledURI
attributeID: 1.2.840.113548.3.1.4.113
attributeSyntax: 2.5.5.4
cn: labeledURI
isSingleValued: FALSE
LDAPDisplayName: labeledURI
distinguishedName: cn=labeledURI,cn=Schema,cn=Configuration,dc=rcdnevt,dc=com
objectCategory: cn=Attribute-Schema,cn=Schema,cn=Configuration,dc=rcdnevt,dc=com
objectClass: top
objectClass: attributeSchema
oMSyntax: 20
name: labeledURI
```

2. c:\DCDSrvr\log\ad_cfg_error.log

```
ldap_add: DSA is unwilling to perform
ldap_add: additional info: 000020BE: SvcErr: DSID-0326027D, problem 5003
(WILL_NOT_PERFORM),
data 8382
```

Troubleshoot

目前没有针对此配置的故障排除信息。

Related Information

- [Cisco CallManager的Active Directory 2000插件安装](#)
- [语音技术支持](#)
- [语音和统一通信产品支持](#)
- [Cisco IP 电话故障排除](#)
- [Technical Support - Cisco Systems](#)