

通过MRA/Expressway配置并且排除UDS联系照片解决方法故障

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简介

本文描述程序通过用户发现服务(UDS)配置和排除联系照片解决方法故障，当Jabber在便携远程访问时(MRA)注册。

先决条件

要求

Cisco建议您有在UDS需求的联系照片解决方法知识：

- 必须主机镜像某处。您需要有主机一个分开的网络服务器镜像。
- 必须以“JPG”格式和估量镜像128 x128像素。
- Jabber必须访问该位置。网络服务器的完全合格的域名(FQDN)或IP地址一定是完全地可溶解和可及的从里面，即使网络服务器位于在网络外面。
- 每个图像文件必须有命名机制作为“uid.jpg” “uid”是每个Jabber用户的地方用户ID。这在与配置代码的tandom将工作在配置文件。

使用的组件

本文档不限于特定的软件和硬件版本。

本文档中的信息都是基于特定实验室环境中的设备编写的。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。

背景信息

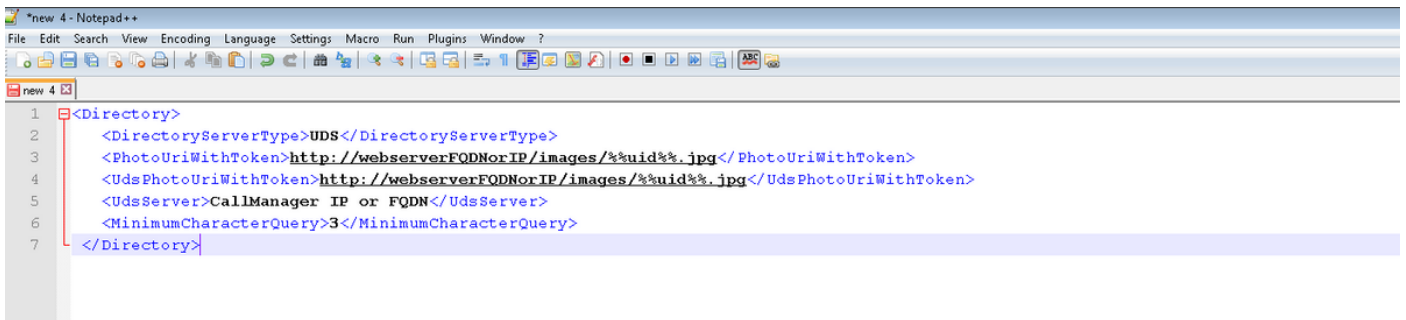
Jabber管理员通过轻量级目录访问协议(LDAP)配置照片联系解决方法内部地，在他们通过Cisco Expressway配置便携远程访问(MRA)前。当LDAP使用联系照片解决方法，当您通过MRA登陆外部，您的联系照片不会解决，因为MRA使用用户发现服务(UDS)默认情况下。管理员需要通过此的UDS配置联系照片解决方法能工作在MRA。这样，当Jabber连接得外部时，它自动地换成UDS作为目录来源并且能拉每个用户的联系照片。

如果管理员突出地已经使用UDS而不是LDAP并且安排联系照片解决方法已经被配置，仅管理员需要配置Expressway，并且能跳到其他步骤。

配置

Jabberconfig.xml文件

如果使用自定义Jabber设置文件，您将需要确信，这些文件不在全球数据图表写。换句话说，您将补充说到全球数据图表做此工作的配置必须获得优先权。



```
1 <Directory>
2 <DirectoryServerType>UDS</DirectoryServerType>
3 <PhotoUriWithToken>http://webserverFQDNorIP/images/%%uid%.jpg</PhotoUriWithToken>
4 <UdsPhotoUriWithToken>http://webserverFQDNorIP/images/%%uid%.jpg</UdsPhotoUriWithToken>
5 <UdsServer>CallManager IP or FQDN</UdsServer>
6 <MinimumCharacterQuery>3</MinimumCharacterQuery>
7 </Directory>
```

配置在<Directory></Directory>标记需要被添加。除所有目录配置存在之外，可以已经被添加。

```
<Directory>
<DirectoryServerType>UDS</DirectoryServerType>
<PhotoUriWithToken>http://webserverFQDNorIP/images/%%uid%.jpg</PhotoUriWithToken>
<UdsPhotoUriWithToken>http://webserverFQDNorIP/images/%%uid%.jpg</UdsPhotoUriWithToken>
<UdsServer>CallManager IP or FQDN</UdsServer>
<MinimumCharacterQuery>3</MinimumCharacterQuery>
</Directory>
```

Note:URL的“%%uid%.jpg”部分告诉Jabber替代词“uid”与每个用户用户ID。知道查找镜像在哪里Jabber是非常重要的，并且谁它映射它。

UID在LDAP的参数映射

Jabber需要能映射镜像对用户。如果有一个LDAP服务器，则您将需要配置每个用户的UID参数。UID参数将是该用户的用户ID。

步骤1.找出用户。

Active Directory Users and Computers

File Action View Help

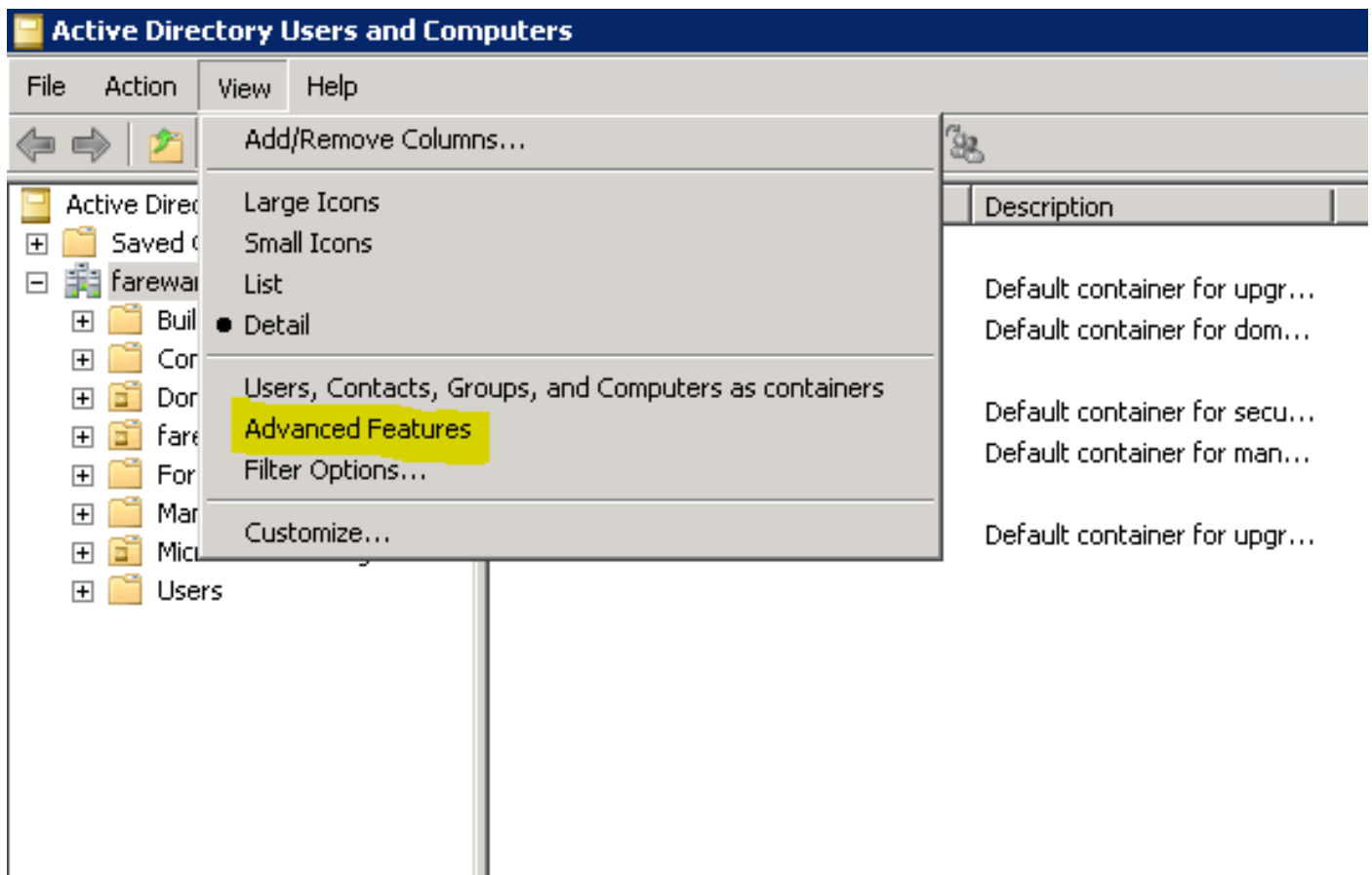
← → ↻ 📄 ✂ 🗑 🔄 ? 📅 👤 👥 🗑 📄 📄

Active Directory Users and Comput

- + Saved Queries
- farewarr.com
 - + Builtin
 - + Computers
 - + Domain Controllers
 - + farewarr
 - + ForeignSecurityPrincipals
 - + LostAndFound
 - + Managed Service Accounts
 - + Microsoft Exchange Securit
 - + Program Data
 - + System
 - Users**
 - + Microsoft Exchange System
 - + NTDS Quotas

Name	Type	Description
Administrator	User	Built-in account for admini...
Allowed ROD...	Security Group ...	Members in this group can...
Anis Warrad	User	
Cert Publishers	Security Group ...	Members of this group are...
CSAdministra...	Security Group ...	Members of this group ca...
CSArchivingA...	Security Group ...	Members of this group ca...
CSHelpDesk	Security Group ...	Members of this group ca...
CSLocationA...	Security Group ...	Members of this group ha...
CsPersistent...	Security Group ...	Members of this group ca...
CSResponse...	Security Group ...	Members of this group ca...
CSResponse...	Security Group ...	Members of this group ca...
CSServerAd...	Security Group ...	Members of this group ca...
CSUserAdmin...	Security Group ...	Members of this group ca...
CSViewOnlyA...	Security Group ...	Members of this group ca...
CSVoiceAdmi...	Security Group ...	Members of this group ca...
Denied ROD...	Security Group ...	Members in this group can...
DiscoverySe...	User	
DnsAdmins	Security Group ...	DNS Administrators Group
DnsUpdatePr...	Security Group ...	DNS clients who are permi...
Domain Admins	Security Group ...	Designated administrators...


步骤2.选择View > Advanced Features。



步骤3. 点击**属性编辑器**选项。

Fareed Warrad Properties [?] [X]

Published Certificates	Member Of	Password Replication	Dial-in	Object	
Security	Environment		Sessions		
Remote control		Remote Desktop Services Profile			
Personal Virtual Desktop	COM+	UNIX Attributes	Attribute Editor		
General	Address	Account	Profile	Telephones	Organization

 Fareed Warrad

First name: Initials:

Last name:

Display name:

Description:

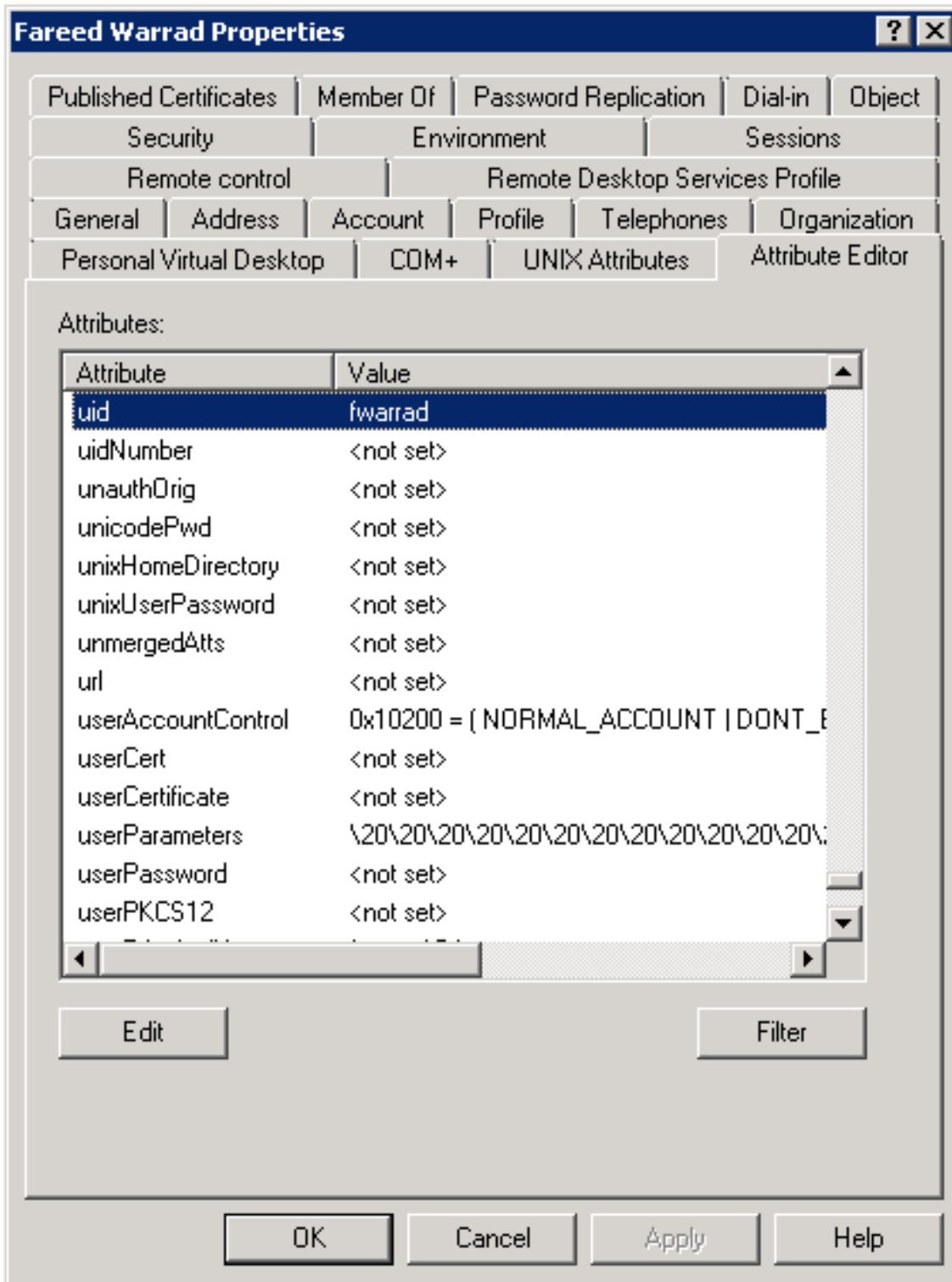
Office:

Telephone number:

E-mail:

Web page:

步骤4.配置每个用户的UID参数作为其用户ID。



Note: 这需要为每个用户执行。一旦完成此您在呼叫管理器的LDAP目录配置需要执行充分同步。

配置Expressway核心/视频通信管理器(VCS)控制

自从Jabber连接外部和沟通与所有服务器在里面通过Expressway核心(ExpresswayC)/VCS控制，您需要配置ExpresswayC为了允许Jabber访问主机镜像的网络服务器。

步骤1.对VCS控制的登录。

步骤2.选择Configuration>统一的通信>配置。

The screenshot shows the Cisco TelePresence Video Communication Server Control interface. The top navigation bar includes Status, System, Configuration (highlighted), Applications, Users, and Maintenance. The main content area is titled 'Overview' and contains several sections:

- System information:** Includes links for System name, Up time (72 days 9 hours 31 minutes 30 seconds), Software version (X8.1.1), IPv4 address (14.48.44.40), and Options (10 Non Traversal Calls, 10 Traversal Calls, 2500 Registrations, Encryption, Advanced Networking).
- Resource usage (last updated: 20:42:46 EDT):** A table showing usage for Unified CM calls, VCS traversal calls, VCS non-traversal calls, Monitored resource usage, and Registrations.

Category	Item	Value
Unified CM calls	Current video	0
	Current audio (SIP)	0
	Peak video	0
	Peak audio (SIP)	0
VCS traversal calls	Current video	0
	Current audio (SIP)	0
	Peak video	0
	Peak audio (SIP)	0
	License usage current	0%
	License usage peak	0%
VCS non-traversal calls	Current	0
	Peak	0
	License usage current	0%
	License usage peak	0%
Monitored resource usage	Traversal and Unified CM calls	0%
	Non-traversal calls	0%
Registrations	Current	0
	Peak	0
	License usage current	0%
	License usage peak	0%

For more detail see the resource usage page

步骤3.点击配置HTTP服务器允许列表。

The screenshot shows the Cisco TelePresence Video Communication Server Control interface for Unified Communications configuration. The top navigation bar includes Status, System, Configuration (highlighted), Applications, Users, and Maintenance. The main content area is titled 'Unified Communications' and contains several sections:

- Configuration:** Unified Communications mode is set to 'Mobile and remote access'.
- IM and Presence servers and Unified CM servers:** Includes links for 'Discover IM and Presence servers' (2) and 'Configure Unified CM servers' (4).
- Advanced:** Includes a link for 'Configure HTTP server allow list' (highlighted) and 'Show advanced settings'.

Save

步骤3.点击新。



步骤4. 配置网络服务器的IP地址或FQDN。点击**Create**条目。



验证

使用本部分可确认配置能否正常运行。

您应该当前能退出Jabber，删除高速缓冲存储器 and 记录外部。联系照片解决方法应该工作。

故障排除

本部分提供的信息可用于对配置进行故障排除。

如果联系照片不工作，请完成这些步骤为了排除问题故障：

Step1. 检查Jabber配置文件。不应该有丢失的标记托架，并且照片URL应该是正确的。

第2.步。Jabber客户端应该下载新配置文件。不能有获得优先权的一个客户化配置文件。

第3.步。检查LDAP服务器，UID参数需要是正确的为用户。

第4.步。如果使用FQDNs，他们将需要从个人计算机(PC)该解决您与Jabber的使用。**nslookup**将帮助确认这是否是问题。输入用户的镜像的URL在浏览器并且检查是否装载。如果所有此工作，下一步是拉Jabber问题报告。

第5.步。应该正确地配置ExpresswayC允许服务器。

如果所有早先项目被检查，请拉Jabber问题报告并且从PC获得信息包获取。问题报告将显示每个用户的被修改的照片URL，设法解决镜像。如果它说无法查找镜像，它也许是网络服务器或网络问题。

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联系问题的问题报告关键字

Photos, Contacts, and Directory Search

[csf.person.adsource] - Component level resource for directory and contact information. Shows results of searches performed in Jabber.

[csf.person] - Component level information specifically about contacts in Jabber (and those searched) along with photo information

"BuddyListEventListener" - Keyword that shows up when Adding and Removing contacts

"onPhotoDownloadComplete" - When Jabber attempts to download contact photos, it will be noted by this keyword along with success

or failure information. "sendGetRequest" - URI Substitution for Photos will include this

keyword in the URL request to the Web Server "HttpClientImpl" - Keyword shows HTTP data and requests for photos, CURL, and WebEx Meetings PersonResolutionHandler - This keyword is good for discovering where Jabber attempts to resolve contacts through AD and Outlook.

May not be available in sub 9.6 versions. "searchString" - This displays the letters a user types in the Jabber search or call field. "string2search" - This keyword is the result of the

searchString user entered information. It's what Jabber will actually use to search in local cache, Outlook Address Book, and Active Directory "getRecordWithPhoto" - When using AD as the source for photo downloads, this keyword provides the point at which Jabber downloads

the photo from AD. "ContactCard" - (11.x) The Contact Card feature used when hovering over a contact uses this keyword