ArmDS 网络版 License 管理软件问题排查说明

一、License. dat 文件部分

问题 1: 正常情况下, License 文件如何修改及注意的关键点?

解: License 文件的修改:

- (1) "This_host"修改为"服务器的 IP 或名称"。
- (2) 在服务器的 MAC 后,添加服务器可访问的端口。

(3) 如果服务器上有防火墙, 需在 License 正文的第二行最后添加 "PORT=8225"

原始的License	# This license file is for the following serial number(s): # 52455 54504 44476, 2673 4 54504 56544 54504 54504 # SERVER this_host 5 665 data tao VENDOR armImd USE_SERVER PACKAGE mdk_pro armImd 5.0 COMPONENTS="mdk_pro_uvision \
	# This license file is for the following serial number(s):
18EX) and License	# SERVER 192.168.012 VENDOR armImd PORT=8225 USE_SERVER PACKAGE mdk_pro armImd 5.0 COMPONENTS="mdk_pro_uvision \

License 文件修改需注意的关键点:

(1) 确认电脑 MAC 地址是否与 license 一致。

(2) 确认电脑 IP 地址或名称是否与 license 一致。

问题 2: 如果服务器带域名, License 文件如何修改?

解: "This_host" 修改为"服务器的带域名的名称",不能用服务器的 IP。 注: 客户端的服务还是可以用"端口@服务器的 IP"来向服务器获取授权。

问题 3: 如果服务器是多网卡时,License 文件注意的关键点? **解:** 确认 license 文件中的 MAC 是电脑第一个网卡的 MAC 地址。

LMTOOLS by Flexera	-
File Edit Mode Help	
Service/License File System Settings Utilities Start/Stop/Reread	Server Status Server Diags Config Services Borrowing
Hostid Settings	Time Settings
Computer/Hostname DESKTOP-2UDM&JH	System Time Zone China Standard Time
Usemame peter IPv4 Address 172.30.1.246	GMT Time Tue Nov 15 06:10:49 2022
IPv6 Address	Local Time Tue Nov 15 14:10:49 2022
TPM_ID1 FNLS does not appear to be running	Windows Directory C:\Windows
FLEXID	
	Save HOSTID Info to a File



二、Windows 系统下管理工具部分

1、核对配置

TOOLS by Flexera				
e Edit Mode Help				
ervice/License File System S	ettings Utilities Start/Stop/Reread Server St	atus Server Diags	Config Services	Borrowing
Configure Service				. 1
Service Name	AmDS License	- -	Save S	
			Remove	Service
Path to the Imgrd.exe file	E:\Flexnet11p17\Imgrd.exe	Browse		
Path to the license file	E:\Flexnet11p17\license_ok.dat	Browse		
Path to the debug log file	E:\Flexnet11p17\debug.log	Browse	View Log	Close Log
3 🔽 Start Server at P	ower Up 🔽 Use Services	FlexNet Licer	ising Service D	etails

注: 三个文件需要在同一个目录下,同时在"Flexnet"目录属性中,增加一个"Everyone"的群名,放置为"完全控制"属性。

2、核对系统信息

LMTOOLS by Flexera	- X
File Edit Mode Help	
Service/License File System Settings Utilities Start/Stop/Reread	Server Status Server Diags Config Services Borrowing
- Hostid Settings	Time Settings
Computer/Hostname DESKTOP-2UDM8JH	System Time Zone China Standard Time
Usemame peter	CNT T
IPv4 Address 172.30.1.246	GM1 Time Tue Nov 15 09:09:02 2022
IPv6 Address	Local Time Tue Nov 15 17:09:02 2022
Ethemet "6c24086bd4ef 088e90e004d4"	
TPM_ID1 FNLS does not appear to be running	Windows Directory C:\Windows
FLEXID	
	Save HOSTID Into to a Hie
1	

3、问题:服务器的服务无法关闭?

解:

(1) 键盘操作 Win+R 运行 services.msc ,点击确定,查看服务。

	Windows 将根据你所输入的名称, 文件本、文档或 Internet 资源	为你打开相应的程序、
打开(0):	services.msc	~

(2) 找到在配置中配置的服务名称,如下所示:

Services					- 0	×
File Action View	Help					
🗢 🄿 🖬 🖬 🖸	à 🗟 📲 🖬 🕨 🖬 🕪					
Services (Local)	Services (Local)					
	ArmDS License	Name	Description	Status	Startup Type	Loc
		ActiveX Installer (AxInstSV)	Provides Use		Manual	Loc
	Start the service	Adobe Genuine Monitor Ser	Adobe Genu	Running	Automatic	Loc
		Adobe Genuine Software Int	Adobe Genu	Running	Automatic	Loc
		Agent Activation Runtime_5	Runtime for		Manual	Loc
		AllJoyn Router Service	Routes AllJo		Manual (Trigg	Loc
		App Readiness	Gets apps re		Manual	Loc
		Application Identity	Determines		Manual (Trigg	Loc
		Application Information	Facilitates th	Running	Manual (Trigg	Loc
		🆏 Application Layer Gateway S	Provides sup		Manual	Loc
		Application Management	Processes in		Manual	Loc
		AppX Deployment Service (A	Provides infr	Running	Manual (Trigg	Loc
		ArmDS License			Automatic (De	Loc
		AssignedAccessManager Ser	AssignedAcc		Manual (Trigg	Loc
		🎑 Auto Time Zone Updater	Automaticall		Disabled	Loc
		AVCTP service	This is Audio	Running	Manual (Trigg	Loc
		🎑 Background Intelligent Tran	Transfers file		Manual	Loc
		🎑 Background Tasks Infrastruc	Windows inf	Running	Automatic	Loc
		🎑 BaiduNetdiskUtility	百度网盘核		Manual	Loc
		🎑 Base Filtering Engine	The Base Filt	Running	Automatic	Loc
		SitLocker Drive Encryption S	BDESVC hos	Running	Manual (Trigg	Loc
		🎑 Block Level Backup Engine S	The WBENGI		Manual	Loc
	\Extended \Standard					



(3) 把服务的登陆修改为"本地登录"方式。

General Log On Red	covery Dependencies		General Log On Recovery Dependencies	
Local System account Allow service to it	int interact with desktop		Local System account Allow service to interact with desktop	
This account: Password: Confirm password:	Local Service	Browse	This account Password Confirm password	Browse

4、问题:服务器有防火墙并处理开启状态,客户端无法获取到 License?

解:把 License 的管理软件需用到的两个端口(8224 和 8225)添加到防火墙的入栈规则中。 (1)打开防火墙

fire	X O	R	Updates paused until 12/10/2022 Your device won't be up to date until updates resume
2	Check firewall status	More op	otions
@	Allow an app through Windows Firewall	00	Pause updates Get the latest updates to pause again Pause for 1 week
•	Firewall & network protection	Ð	Update history >
•	Windows Security		Advanced entires
	Show all results	e ^{igs}	Delivery optimization, optional updates, active hours, other update settings
•	Gaming	~	Windows Insider Program
×	Accessibility	ම	Get preview builds of Windows to share feedback on new > features and updates
	Privacy & security		
6	Windows Update	Ge Ge	t help



(2)选择"高级设置"。

📽 Windows Defender Firewall			- () X
\leftarrow \rightarrow \checkmark \uparrow \checkmark Sys	tem and Security > Windows Defender Firewa	I v C		م
Control Panel Home	Help protect your PC with Wind	ows Defender Firewa	II	
Allow an app or feature through Windows Defender Firewall	Windows Defender Firewall can help prever PC through the Internet or a network.	nt hackers or malicious softw	are from gaining acce	ss to your
Change notification settings	Private networks		Not conne	cted ~
Turn Windows Defender Firewall on or off	Guest or public network	S	Conne	cted ^
👎 Restore defaults	Networks in public places such as airports	or coffee shops		
Advanced settings	Windows Defender Firewall state:	On		
Iroubleshoot my network	Incoming connections:	Block all connection list of allowed apps	is to apps that are not	on the
	Active public networks:	🗮 EM-public3F		
		🚟 未识别的网络		
	Notification state:	Notify me when Wi blocks a new app	ndows Defender Firew	vall

(3) 选择左边的"入站规则",再选择右边的"新建规则"。



(4)选择"端口"。

W New Indound Rule Wizard		/
Rule Type		
Select the type of firewal	l rule to create.	
teps:		
Rule Type	What type of rule would you like to create?	
 Protocol and Ports Action Profile Name 	 Program Rule that controls connections for a program. Pot Rule that controls connections for a TCP or UDP port. Predefined: AllJoyn Router Rule that controls connections for a Windows experience. Custom Custom rule. 	
	< Back Next > Cancel	



(5) 选择"TCP"及"特定本地端口"。

Prew Inbound Rule Wiza	rd	×
Protocol and Ports		
Specify the protocols and	ports to which this rule applies.	
Steps:		
a Rule Type	Does this rule apply to TCP or VDP?	
Protocol and Ports	1 отср	
Action	O UDP	
Profile		
🧼 Name	Does this rule apply to all local ports or specific local ports?	
	◯ All local ports	
	2 Specific local ports: 8224-8225	
	Example: 80, 443, 5000-5010	

(6) 选择"允许连接"



(7)选中所有选项。

🔗 New Inbound Rule Wizard		×
Profile	nich this rule annlies	
Steps:	inti uno fute appires.	
 Rule Type Protocol and Ports Action Profile 	When does this rule apply? Domain Applies when a computer is connected to its corporate domain.	
Name	 Private Applies when a computer is connected to a private network location, such as a home or work place. Public Applies when a computer is connected to a public network location. 	



(8) 输入规则的名称: ArmDS PORT

🔗 New Inbound Rule Wizard						×
Name						
Specify the name and descri	ption of this	rule.				
Steps:						
Rule Type						
Protocol and Ports						
Action	Venei					
Profile	1 ArmDS	5 PORT				
Name	Descr	intion (ontional)				
	Desor	iption (optional)	•			
				< Back 2	Finish	Cancel

 Windows Defender Firewall with File Action View Help 	Advanced Security		>
Windows Defender Firewall with Inbound Rules	Inbound Rules	Group	Actions
Outbound Rules	 ArmDS PORT 360安全卫士实时保护 360安全卫士实时保护 360安全卫士实时保护 armds_ide armds_ide BaiduNetdiskHost BaiduNetdiskHost Foxmail.exe Foxmail.exe Foxmail.exe HP Device Setup (All-in-One Inkjet P IQIY Video Helper Iqiyisetup_qudao3@xt003.exe iqiyisetup_qudao3@xt003.exe iqiyisetup_qudao3@xt003.exe iqiyisetup_qudao3@xt003.exe 	rinter) II-in	Y Filter by State > Y Filter by Group > View > > Refresh > > Export List Image: Help > ArmDS PORT ▲ Ø Disable Rule Image: Cut Copy > Delete > Properties Image: Help > >



三、Linux 系统下管理工具部分

- 1、问题 1: 在 Linux 系统下,在"lmgrd"命令所在的目录下运行该命令时,提示"./lmgrd: No such file or directory"的错误?
- **解:** 由于当前的 Linux 系统中 "1mgrd" 命令所依赖的库 (1sb-core) 的缺失,在命令行中运行: sudo apt-get install 1sb-core,安装好 "1mgrd" 命令所依赖的库。

F	peter@ubuntu: ~/Workspace/Flexnet			Q ≡		8
peter@ubuntu:~/Wo /home/peter/Works peter@ubuntu:~/Wo armInd armIndiag armInd.opt debug.log fnp_LicAdmin.pdf	rkspace/Flexnet\$ pwd pace/Flexnet rkspace/Flexnet\$ ls license_huaicai_4.txt lmborrow lncksum lmdiag lmdown	lmgrd lmhostid lminstall lmpath lmremove	lmreread lmstat lmswitch lmswitchr lmutil	lmver makelinks.sh nohup.out ReleaseNotes.pdf cmlinks.sh		
peter@ubuntu:~/Wo [sudo] password f	rkspace/Flexnet\$ sudo a or peter:	pt-get inst	all lsb-cor	e		

2、问题 2: 在运行: "./Imgrd -c license.dat -l debug.log"后,服务没有正常运行,在"debug.log" 文件中,有"(Imgrd) Can't make directory /usr/tmp/.flexIm, errno: 2(No such file or directory)"的 错误提示?

- 解: (1)在usr 目录下,手动创建"tmp"目录(sudo mkdir tmp)。
 - (2) 在新创建的目录"tmp"下,创建".flex1m"文件。(sudo touch .flex1m)



3、通过"ps"命令查看"Imgrd"是否运行。

Γ	peter@ubu	ntu: ~/Worksp	ace/Flexnet	Q =		8
peter@ubur	ntu: ~/Workspace/Flexnet	× p	eter@ubuntu	: ~/Workspace/Flexne		•
armind armind.opt debug.log fnp_LicAdmin.pdf peter@ubuntu:~/Wo PID TTY 2238 pts/0 2558 pts/0 peter@ubuntu:~/Wo nohup: ignoring i peter@ubuntu:~/Wo PID TTY 2238 pts/0 2650 pts/0 2650 pts/0	license_huaicai_4.txt lmborrow lmcksum lmdown prkspace/Flexnet\$ ps TIME CMD 00:00:00 bash 00:00:00 ps prkspace/Flexnet\$ mv lic prkspace/Flexnet\$ mv lic prkspace/Flexnet\$ mv lic prkspace/Flexnet\$ ps TIME CMD 00:00:00 bash 00:00:00 bash 00:00:00 lmgrd	Ingrd Inhostid Ininstall Inremove Lanse huaica Ingrd -c li nut to 'nohu	Imreread Instat Inswitch Inswitchr Imutil Imutil i 4.txt li i.cense.dat	<pre>lmver - makelinks.sh nohup.out ReleaseNotes.pdf rmlinks.sh .cense.dat l debug.log</pre>		



4、通过"./Imutil Imdown -c license.dat"停止服务。

peter@ubuntu:~/Workspace/Flexnet\$ vim license.dat				
peter@ubuntu:~/Workspace/Flexnet\$./lmutil lmdown -c license.dat				
lmutil - Copyright (c) 1989-2020 Flexera. All Rights Reserved.				
Port@HostVendors				
1) 8224@192.168.81.129 armlmd				
Are you sure (y/n)? y				
1 FlexNet License Server shut down				
peter@ubuntu:~/Workspace/Flexnet\$ ps				
PID TTY TIME CMD				
2238 pts/0 00:00:00 bash				
2720 pts/0 00:00:00 ps				
peter@ubuntu:~/Workspace/Flexnet\$				