使用防火墙设备管理器升级安全防火墙威胁防御

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简介

本文档介绍使用防火墙设备管理器(FDM)的思科安全防火墙威胁防御(FTD)升级示例。

先决条件

要求

建议掌握下列主题的相关知识:

• 本指南无特定要求

使用的组件

本文档中的信息基于以下软件和硬件版本:

• 运行FTD版本7.2.3的Cisco Firepower 4125

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。如果您的网络处于活动状态,请确保您了解所有命令的潜在影响。

背景信息

本文档的具体要求包括:

- 连接到FTD的管理IP
- 之前从软件思科门户下载的FTD升级软件包(.REL.tar)

以下设备支持此升级过程:

• 任何运行FTD软件且配置了本地管理的思科Firepower型号。

开始使用前

- 1. 创建并下载FTD配置的备份。
- 2. 验证目标<u>版本的</u>升级路径。
- 3. 从<u>Cisco Software Central</u>下载升级软件包。
- 4. 请勿重命名升级文件。系统认为重命名的文件无效。
- 5. 为升级过程安排维护窗口,因为流量会受到影响。

配置

步骤1:使用FTD的管理IP登录到防火墙设备管理器:



第二步:点击Firewall Device Manager Dashboard上的View Configuration:



第三步:点击System Upgrade部分下的Browse按钮上传安装软件包:

| Firewall Device Manager | Monitoring Policies Objects Device | (ce: firepower | >. 🏟 Ø | (?) : admin Administrator ~ "Intell" SECURE |
|-------------------------|--|---|--|---|
| | Device Summary Updates | | | |
| | Geolocation 2022-05-11-103 Latest Update on 18 Jul 2023 | VDB 353.0 Latest Update on 18 Jul 2023 | Security Intelligence Feeds | |
| | Configure Set recurring updates | Configure Set recurring updates | Configure Set recurring updates | |
| | UPDATE FROM CLOUD | UPDATE FROM CLOUD | UPDATE FROM CLOUD | |
| | System Upgrade Current version threat defense: 7.2.3-77 Cur | rent version FXOS: 2.13(0.212) | Intrusion Rule 20220511-1540 Latest Update on 18 Jul 2023 | |
| | Important Make sure the threat defense version is ca Learn more (3 | | Configure Set recurring updates | Snort Inspection Engine: 3.1.21.100-7 Downgrade to 2.0 Snort is the main inspection engine in Secure Firewall |
| | There are no software upgrades available o Upload an upgrade file to install. | on the system. | | Inreat Defense. It is used for intrusion and file policy analysis, SSL decryption, and layer 7 inspection. See more ~ |
| | BROWSE | | | |

⚠ 注意:上传升级软件包后,BROWSE将在文件仍上传时显示动画。上传完成之前不要刷新网页。

<u>上传进度页面示例:</u>

| Firewall Device Manager | Monitoring Policies Objects Device | e: firepower | (5.) (2.) (2.) (2.) (2.) (2.) (2.) (2.) (2 | | | |
|-------------------------|--|---|--|---|--|--|
| | Device Summary Updates | | | | | |
| | Geolocation 2022-05-11-103 Latest Update on 18 Jul 2023 | VDB 353.0 Latest Update on 18 Jul 2023 | Security Intelligence Feeds | | | |
| | Configure Set recurring updates | Configure Set recurring updates | | | | |
| | UPDATE FROM CLOUD | UPDATE FROM CLOUD | UPDATE FROM CLOUD | | | |
| | System Upgrade Current version threat defense: 7.2.3-77 Curr | rent version FXOS: 2.13(0.212) | Intrusion Rule 20220511-1540 Latest Update on 18 Jul 2023 | | | |
| | Important Make sure the threat defense version is or Learn more [2] | | Configure Set recurring updates | Snort Inspection Engine: 3.1.21.100-7 Downgrade to 2.0 Snort is the main inspection engine in Secure Firewall Threat Defense. It is used for intrusion and file policy | | |
| | There are no software upgrades available o Upload an upgrade file to install. | on the system. | | analysis, SSL decryption, and layer 7 inspection. See more ~ | | |
| | Cisco_FTD_SSP_Upgrade-7.2.4-1 | 65.ah.REL.tar | | | | |

第四步:上传完成后,系统将显示一个弹出窗口,要求确认:

| Firewall Device Manager | Monitoring Poli | cies Objects | Device: fire | Confirmation | 0 A 6 | 2 : admin Administrator ~ "tituli: SECURE | |
|-------------------------|---|---|-------------------------|--|--|---|--|
| | Device Summary Updates Geolocation 2 | 2022-05-11-103 V | | The uploaded file will be staged for later in Immediately, select the option below. | stallation. If you want to run the upgrade | | |
| | Configure Set recurring upda | tes | cs | UPDATE FROM CLOUD | CANCEL OK | | |
| | System Upgrade Current version threat defense: 7.2.3-77 Current ver | | | rsion FXOS: 2.13(0.212) | Intrusion Rule 20220511-1540 Latest Update on 18 Jul 2023 | | |
| | Important Make sure th Learn more (| e threat defense ver | sion is compatible | e with the FXOS version. | Configure Set recurring updates | Short Inspection Engine: 3.1.21.100-7 Downgrade to 2.0 Short is the main inspection engine in Secure Frewall Threat Defense. It is used for intrusion and the policy | |
| | File Upgrade to | Cisco_FTD_S 19 Jul 2023 11: 7.2.4-165 | SP_Upgrade-7.2 49 AM | 24-165.s 🖀 Replace file | | analysis, SSL decryption, and layer 7 inspection. See more ∨ | |
| | Readiness Check | Not Perform | ed Yet Run Up | ograde Readiness Check | | | |
| | UPGRADE NOW | 1 Reboot re | quired | | | | |

✤ 注:如果要直接继续升级,可以选中Run Upgrade immediately on upload选项,但请注意,这将跳过Readiness Check,该检查可以提供有关升级冲突的信息,防止发生故障。

步骤5.单击运行升级准备情况检查对升级执行预验证,以防止升级失败:



💊 注意:您可以验证是否已成功完成任务列表中的就绪性检查。

<u>成功的就绪性检查示例:</u>

| Firewall Device Manager | Monitoring Policie | Task List | | | | admin Q X | aistrator Y cisco SECURE |
|-------------------------|--|--|--|-------------------------------------|---|---|---------------------------|
| Device Upc | e Summary dates | 1 total 0 running 1 completed | 0 failures | | Del | lete all finished tasks | |
| G | eolocation 2022-05- itest Update on 18 Jul 202 | 11-1 23 Name Upgrade Readiness | Start Time 19 Jul 2023 11:52 AM | End Time 19 Jul 2023 11:54 AM | Status Upgrade Readiner Check Completed | Actions | |
| | UPDATE FROM CLOUD | 1 | | | Succession | | |
| St | ystem Upgrade urrent version threat defer | nse: 7.2.3-77 | | Intrusion R Latest Update | ule 20220511-1540 | | |
| | Important Make sure the threat of Learn more ⊘ | defense version is compatible with the FXOS version. | e version is compatible with the FXOS version. | | updates M CLOUD V | Short Inspection Engine: 3.1.21.100-7 Dawngrade to 2.9 Short is the main inspection engine in Secure Firewall | |
| Fii U; | le Cli ograde to 7.1 | sco_FTD_SSP_Upgrade-7.2.4-165.s 🖀 Replace 2.4-165 | lie. | | | analysis, SSL decryption See more ~ | , and layer 7 inspection. |
| Re | adiness Check O | Precheck Success Rvn Upgrade Raadioaaa Check | | | | | |
| | UPGRADE NOW | Reboot required | | | | | |

第六步:单击UPGRADE NOW按钮继续软件升级:



步骤 7.在弹出窗口中,选择CONTINUE继续升级:

| Firewall Device Manager | Monitoring Policies | Objects | Device: fire | Confirm System Upgrade | | ? | admin Administrator | cisco SECURE |
|-------------------------|---|-----------------------|-------------------|--|---|--|--|---|
| | Device Summary Updates Geolocation 2022 Latest Update on 18 J Configure Set recurring updates | -05-11-103 ul 2023 | V Li S. | Before starting the upgrade: 1. Do not start a system restore at the 2. Do not reboot the system during the reboots at the appropriate time during can leave the system during the can leave the system in an unusable. WIDERADE OPTIONS W Automatically cancel on upgrade failures | same time as a system upgrade. e upgrade. The system automatically ing upgrade if a reboot is necessary. the upgrade interrupting the upgrade state. n the upgrade begins, e will be rebooted. ure and roll back to the previous version | | | |
| | System Upgrade Current version threat defense: 7.2.3-77 Current ve important Make sure the threat defense version is compatible with the FXOS version are more (2) Elso Circles ETD. SSB. However, 2.4.165.5. Important | | | with the FXOS version. 4-185.s a Replace file | CANCEL CONTINUE Configure Set recurring updates UPDATE FROM CLOUD | Snort Inspectio Snort is t Threat Do analysis, | In Engine: 3.1.21.100-7 I the main inspection engine referse. It is used for intre SSL decryption, and lays | Downgrade to 2.0 te in Secure Firewall sisten and file policy or 7 inspection. |
| | Upgrade to Readiness Check UPGRADE NOW | | ccess Run U AM | pgrade Readiness Check | | See more | | |

◆ 注:默认情况下启用回滚选项,建议您保留该选项,以便在升级出现问题时恢复任何升级配置。

步骤 8您将重定向到将显示升级进度的页面:



<u>进度页示例:</u>



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步骤 9升级成功完成后,单击FINISH按钮返回登录屏幕:



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验证

升级完成后,您可以登录到Firepower设备管理器以验证当前版本,这将在概述控制面板上显示:



要通过CLI执行升级验证,可以使用以下步骤:

I.使用FTD的管理IP创建SSH会话。

II.使用show version命令验证机箱上的当前版本。

<u>建议步骤的示例:</u>

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