

# **FIREPOWER2100/ 4100**

离线开启永久 3DES LICENSING

**2018.4**

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开启指南



## 关键词

Smart Account--购买安全类产品都需要下单时候填写 Smart Account, 如果没有 Smart Account 可以通过 software.cisco.com 去申请, 并且通过给 licensing@cisco.com 开 Case 获得 License 授权。

## 必读

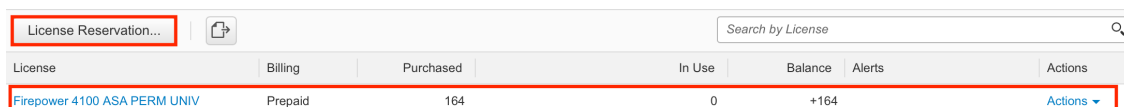
a, 首选必须已有 Smart Account

b, 必须下单的时候 购买下面的 SKU, 价格为零但必须下单。

**L-FPR4K-ASA-BPU=** Cisco Firepower 4100 Universal PLR ASA base license

**L-FPR2K-ASA-BPU=** Cisco Firepower 2100 Universal PLR ASA base license

d, SmartAccount 里面必须有这一个授权和一个按钮 才是正确的, "Firepower 4100 ASA PERM UNIV" 和 **License Reservation** 按钮才可以:



License	Billing	Purchased	In Use	Balance	Alerts	Actions
Firepower 4100 ASA PERM UNIV	Prepaid	164	0	+164		Actions ▾

**注意: 申请 License Reservation 按钮激活, 需要发邮件给 FirePower PM 去审批, 审批完成后需要出口合规团队 2 周时间的流程处理, 所以预计需要 3-4 周, 请预留时间。同时需要开 licensing@cisco.com**

Case 去关联 SO 和 Smart Account。所以建议同时开 Case 给 License Team. 具体如下：

1. 让 AM 下单 L-FPR4K-ASA-BPU= 或者 L-FPR2K-ASA-BPU=, 按照总计的设备数量下 license 个数
2. 将如下信息发到邮件组里 [4100\\_plr\\_approvals@cisco.com](mailto:4100_plr_approvals@cisco.com) 或者 [2100\\_plr\\_approvals@cisco.com](mailto:2100_plr_approvals@cisco.com), 申请审批
  - a) Who is the end customer?-
  - b) Which country are they in?
  - c) When did they order the hardware?
  - d) What is the SO for the hardware?
  - e) Why do they need PLR?
  - f) Whether govt/military customer:  
Have they looked at using Smart Licensing satellite?

## GUI 激活方式：

第一步 选择 System—Licensing—Permanent License—Reservation Request Code —Generate 产生一个 RRC

Overview Interfaces Logical Devices Security Engine Platform Settings **System** Tools Help admin

Configuration **Licensing** Updates User Management

Smart License  
Call Home  
▶ **Permanent License**

### Permanent Licensing

If you have returned the Permanent License. Make sure you completed the process by entering the Return Code at Cisco Smart Software Manager.

Return Code :



Step 1. Generate Reservation Request Code  
Step 2. Go to Cisco Smart Software Manager; generate the Authorization Code (using the code generated in step 1)  
Step 3. Install Permanent License by copying Authorization Code (using the Authorization Code generated in step 2)

**Reservation Request Code**



**Authorization Code**

第二步 登录 software.cisco.com 选择 Smart Software Licensing---Inventory—Licenses----License Reservation

## Smart Software Licensing

[Feedback](#) [Support](#) [Help](#)[Alerts](#) | [Inventory](#) | [License Conversion](#) | [Reports](#) | [Preferences](#) | [Satellites](#) | [Activity](#)Questions About Licensing?  
[Try our Virtual Assistant](#) Virtual Account: 

General | **Licenses** | Product Instances | Event Log

License	Billing	Purchased	In Use	Balance	Alerts	Actions
<a href="#">Firepower 4100 ASA PERM UNIV</a>	Prepaid	164	0	+164		<a href="#">Actions</a> ▾

Showing 1 Record

第三步 复制 Reservation Request Code 到下面的空白处点击 next

### Smart License Reservation

STEP 1 | STEP 2 | STEP 3 | STEP 4

**Enter Request Code** | Select Licenses | Review and confirm | Authorization Code

You can reserve licenses for product instances that cannot connect to the Internet for security reasons. Rather than having the product instance connect to the Smart Software Manager to request licenses, you will:

- 1) Generate a Reservation Request Code from the product instance
- 2) Enter the Reservation Request Code below
- 3) Select the licenses to be reserved
- 4) Generate a Reservation Authorization Code
- 5) Enter the Reservation Authorization Code on the product instance to activate the features

\* Reservation Request Code:

To learn how to enter this code, see the configuration guide for the product being licensed

生成 Authorization Code, 复制到剪切板

**Smart License Reservation**

STEP 1 ✓ Enter Request Code    STEP 2 → Select Licenses    STEP 3 → Review and confirm    **STEP 4 Authorization Code**

✓ The Reservation Authorization Code below has been generated for this product instance. Enter this code into the Smart Licensing settings for the product, to enable the licensed features.

**Product Instance Details**

Product Type: FPRUHI  
 UDI PID: FPR-4120-SUP  
 UDI Serial Number: JAD210508HA

Authorization Code:  
 BAABox-Vt5dhD-EVLSQT-5N3wUK-zG72GF-zC2j

To learn how to enter this code, see the configuration guide for the product being licensed

Download as File    Copy to Clipboard    Close

第五步 复制授权 Code 到下面标红处， 点击 install

Overview Interfaces Logical Devices Security Engine Platform Settings **System** Tools Help admin

Configuration **Licensing** Updates User Management

Smart License  
 Call Home  
 ▶ Permanent License

**Permanent Licensing**

If you have returned the Permanent License. Make sure you completed the process by entering the Return Code at Cisco Smart Software Manager.

Return Code : BABgEC-qDULBw-nibgdL-Xt5PNG-CCgCTB-BN1

Step 1. Generate Reservation Request Code  
 Step 2. Go to Cisco Smart Software Manager; generate the Authorization Code (using the code generated in step 1)  
 Step 3. Install Permanent License by copying Authorization Code (using the Authorization Code generated in step 2)

**Reservation Request Code**

Generate Cancel

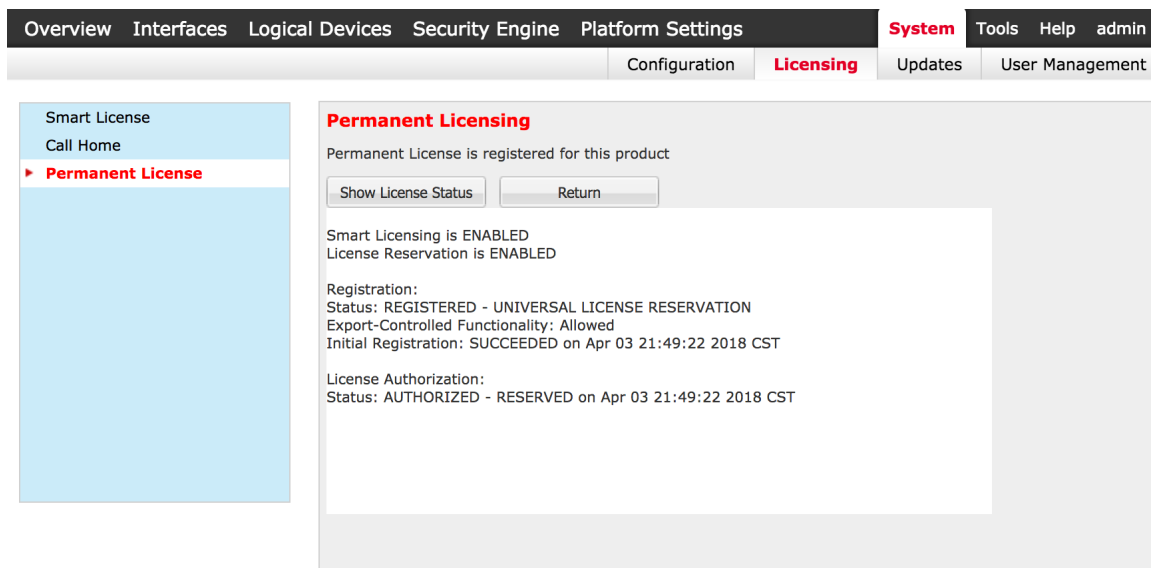
BC-ZFPR-4120-SUP:JAD210508HA-BXwrXMFNs-48

**Authorization Code**

BAABox-Vt5dhD-EVLSQT-5N3wUK-zG72GF-zC2j

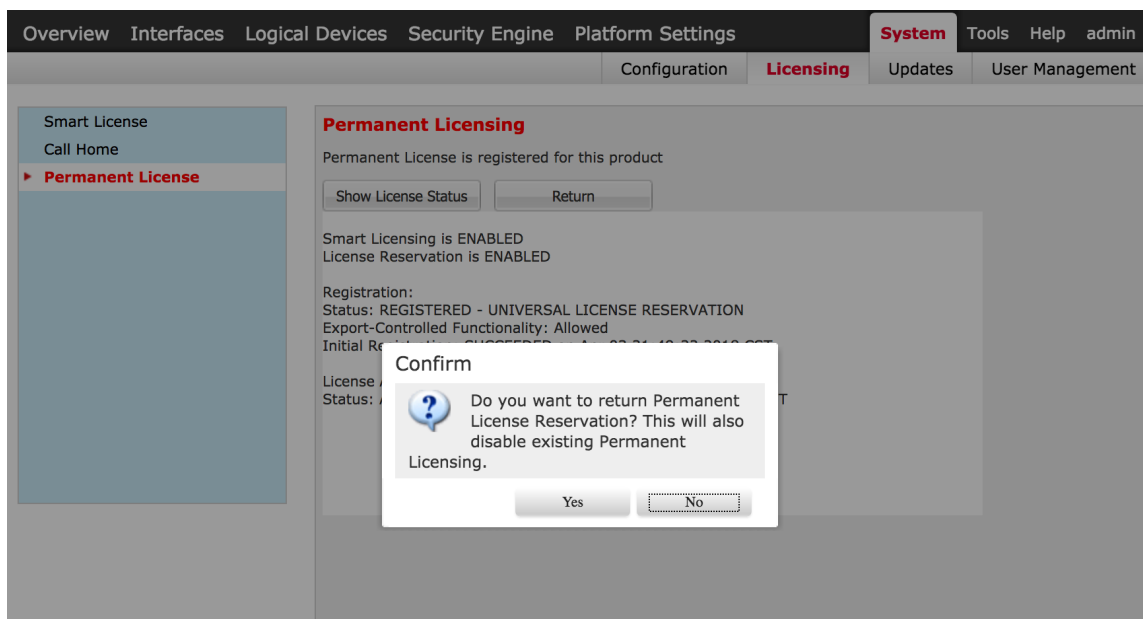
Install

第六步 通过 show license status 查看状态：



如果需要收回授权方式，请用下面的方法：

点击 Return 按钮，然后点击 Yes



复制 Return Code

Overview Interfaces Logical Devices Security Engine Platform Settings **System** Tools Help admin

Configuration **Licensing** Updates User Management

Smart License  
Call Home  
► **Permanent License**

### Permanent Licensing

If you have returned the Permanent License. Make sure you completed the process by entering the Return Code at Cisco Smart Software Manager.

Return Code :

Step 1. Generate Reservation Request Code  
Step 2. Go to Cisco Smart Software Manager; generate the Authorization Code (using the code generated in step 1)  
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**Reservation Request Code**

**Authorization Code**

点击 Firepower 4100 ASA PERM UNIV, 点击你注册的序列号

Cisco Software Central > Smart Software Licensing English [ Change ] pcac

Smart Software Licensing Feedback Support Help

Firepower 4100 ASA PERM UNIV in

Overview **Product Instances** Event Log Transaction History

Product Instance	Product Type	Licenses used
UDI_PID:FPR-4120-SUP; UDI_SN:JAD210508HA;	FPRUHI	1

Showing 1 Record

Actions

点击 Action – Remove



UDI\_PID:FPR-4120-SUP; UDI\_SN:JAD210508HA;

Overview | Event Log

**Description**  
Cisco Firepower 4100 Series Security Appliance

**General**

Name: UDI\_PID:FPR-4120-SUP; UDI\_SN:JAD210508HA;  
 Product: Cisco Firepower 4100 Series Security Appliance  
 Host Identifier: -  
 MAC Address: -  
 PID: FPR-4120-SUP  
 Serial Number: JAD210508HA  
 Virtual Account: DEFAULT  
 Registration Date: 2018-Apr-03 13:38:58  
 Last Contact: 2018-Apr-03 13:38:58 (Reserved Licenses) - [Download Reservation Authorization Code](#)

**License Usage** These licenses are reserved on this product instance [Update reservation](#)

License	Billing	Expires	Required
NIV	Prepaid	-	1

Showing all 1 Rows

Transfer...  
 Update Reserved Licenses...  
**Remove...**

Actions ▾

## 获得 Reservation Return Code

Remove Product Instance

To remove a Product Instance that has reserved licenses and make those licenses once again available to other Product Instances, enter in the Reservation Return Code generated by the Product Instance. If you cannot generate a Reservation Return Code, contact [Cisco Support](#)

Reservation Return Code: BAABox-Vt5dhD-EVLSqT-5N3wUK-zG72GF-zC2j

Remove Product Instance | Cancel

UDI\_PID:FPR-4120-SUP; UDI\_SN:JAD210508HA;

Overview | Event Log

**Description**  
Cisco Firepower 4100 Series Security Appliance

**General**

Name: UDI\_PID:FPR-4120-SUP; UDI\_SN:JAD210508HA;  
 Product: Cisco Firepower 4100 Series Security Appliance  
 Host Identifier: -  
 MAC Address: -  
 PID: FPR-4120-SUP  
 Serial Number: JAD210508HA  
 Virtual Account: DEFAULT  
 Registration Date: 2018-Apr-03 13:38:58  
 Last Contact: 2018-Apr-03 13:38:58 (Reserved Licenses) - [Download Reservation Authorization Code](#)

**License Usage** These licenses are reserved on this product instance [Update reservation](#)

License	Billing	Expires	Required
Firepower 4100 ASA PERM UNIV	Prepaid	-	1

## 在 Return Code 填入，赎回授权

The screenshot shows the Cisco Smart Software Manager interface. The top navigation bar includes: Overview, Interfaces, Logical Devices, Security Engine, Platform Settings, **System**, Tools, Help, admin. Below this, there are sub-tabs: Configuration, **Licensing**, Updates, User Management.

The left sidebar menu includes: Smart License, Call Home, and **Permanent License**.

The main content area is titled **Permanent Licensing**. It contains the following text: "If you have returned the Permanent License. Make sure you completed the process by entering the Return Code at Cisco Smart Software Manager."

Return Code :

Step 1. Generate Reservation Request Code  
Step 2. Go to Cisco Smart Software Manager; generate the Authorization Code (using the code generated in step 1)  
Step 3. Install Permanent License by copying Authorization Code (using the Authorization Code generated in step 2)

**Reservation Request Code**

**Authorization Code**

## CLI 命令行激活方式：

第一步 查询防火墙 license 的状态

```
Lab-FP4100-B-A /license # show license all
```

```
Smart Licensing is ENABLED
```

```
Registration:
```

```
Status: UNREGISTERED
```

- 1、在状态为 UNREGISTERED 的防火墙上操作；
- 2、如防火墙当前为 registered 状态，需要先 deregister：命令如下

```
scope license
```

```
deregister
```

第二步：在 Firepower 上生成 resvcode

命令如下

```
scope license
```

```
enable reservation
```

```
scope license
```

```
scope reservation
```

```
request universal
```

查询 reservation request code 命令

## show license resvcode

BB-ZFPR-4120-SUP:JAD21070FP4-BXwrXMFNs-07

标黄部分为 reservation request code

第三步：利用 Resvcode，在 Cisco 网站得到 Authorization Code 访问 <https://software.cisco.com/#SmartLicensing-Inventory>，license tab，点击 License Reservation 按钮，将第二步生成的 reservation request code 填入，最后会得到 Authorization Code：

Virtual Account: BJ10 ▾

License	Billing	Purchased	In Use	Balance	Alerts	Actions
Firepower 4100 ASA Strong Encryption	Prepaid	1	0	+1		Actions ▾

Showing 1 Record

## Smart License Reservation



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- 4) Generate a Reservation Authorization Code
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\* Reservation Request Code:

Browse

Upload

To learn how to enter this code, see the configuration guide for the product being licensed

Cancel

Next

第四步：在 Firepower 上注册 license 登陆 Firepower 设备，运行如下命令导入 Authorization Code，命令如下

```
Scope licenses
```

```
Scope reservation
```

```
Install <authorization code>
```

第五步：检查 license 及 3DES 状态是否正常，命令如下

```
show license all
```