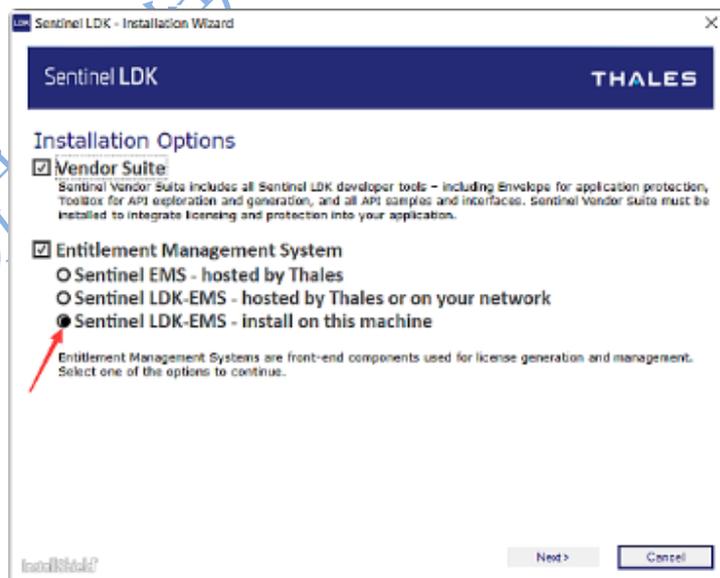


恭喜您选择圣天诺 LDK 加密锁 让您快速成为加密高手



- **安装最新开发平台**

确保 25G 安装空间，路径不含中文，全部默认安装（请注意服务器选项--选择第三项）。



最新开发包，请下载如下链接（仅支持 win10/11）：

http://dlm.safenet-inc.com/akdlm/Sentinel-LDK_SDK.zip

*如果是 win7 系统请安装 8.0, www.chinadlp.com→下载
与支持→驱动下载→Sentinel HASP/LDK8.0 套件或直接点击:
https://dlm.thalesgroup.com/akdlm/ldk/old/Sentinel-LDK_SDK-8.0.1.zip

● **导入主锁(Master,蓝色长的):**

把主锁插入电脑,注意首先登录 EMS,修改密码,在主锁向导中使用新密码导入主锁:

Additional Tools (其它工具) → Sentinel Master Wizard (Sentinel 主锁向导), <在线导入,之后选择第一项>。完全默认选择(通常是“第一项”,或者“同意”等),直到完成,如果有校验失败等错误,重复此步骤。



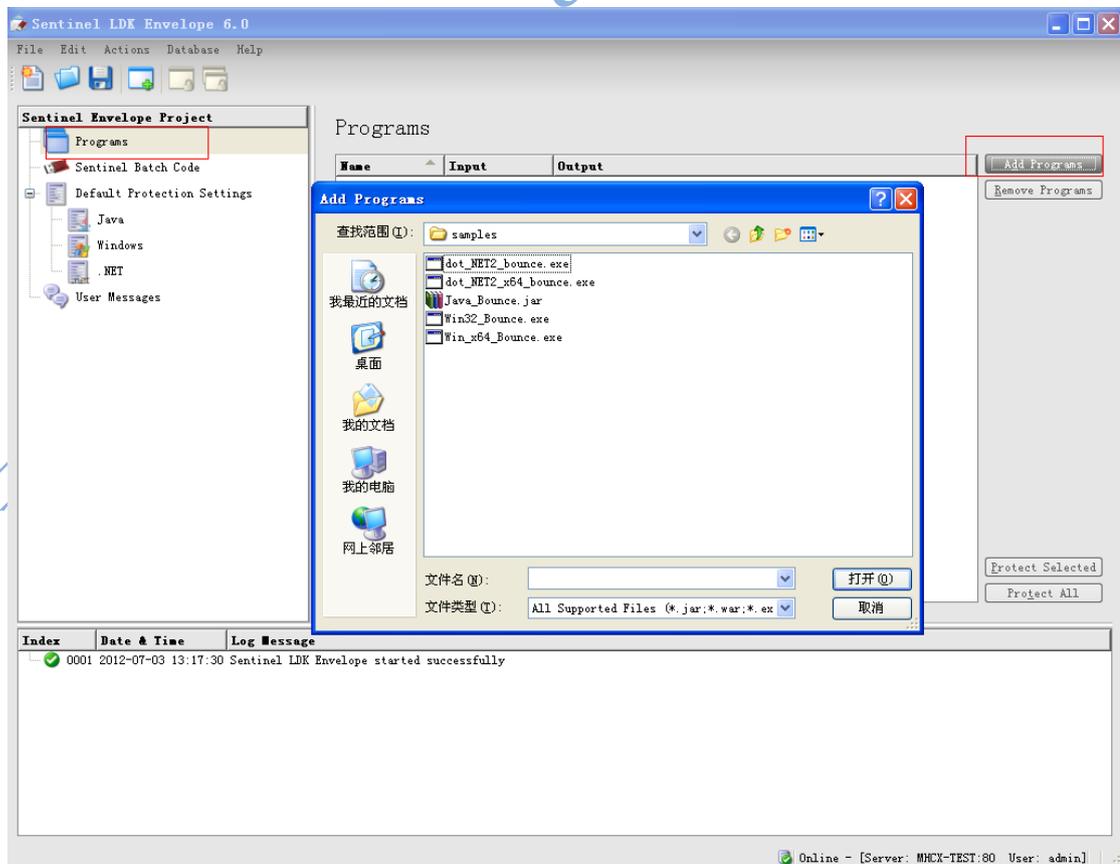
外壳加密

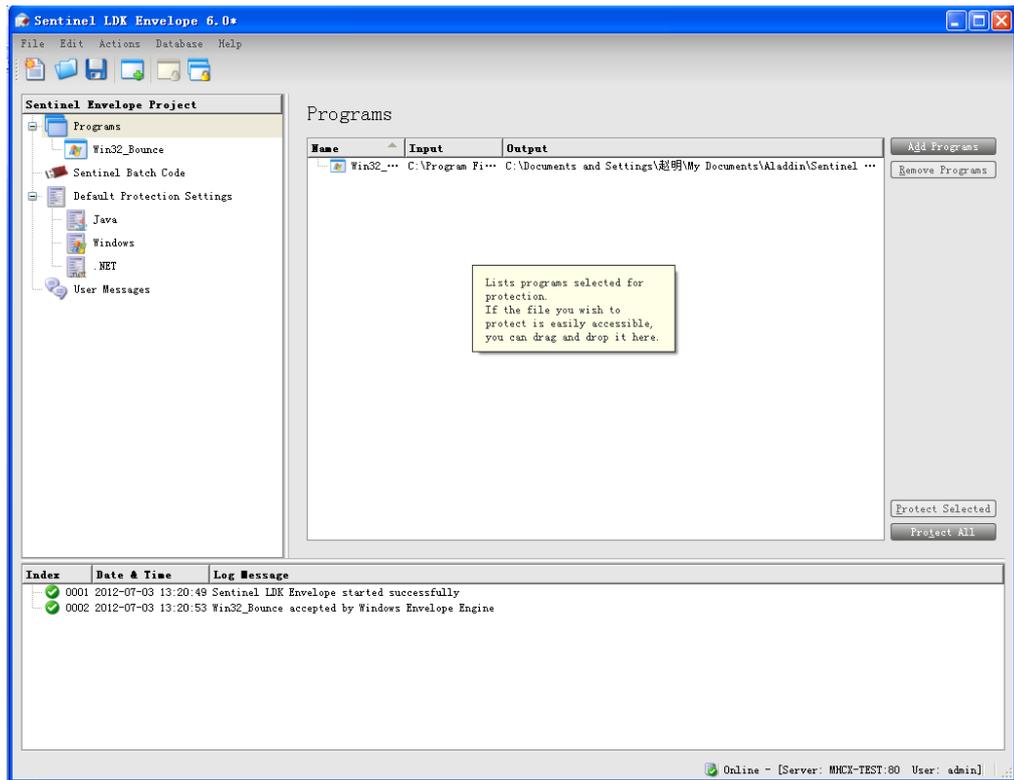
(视频教程直接点击 <http://www.chinadlp.com/ldk.htm>)

1. 打开 LDK 开发套件，点击：envelope 外壳加密工具

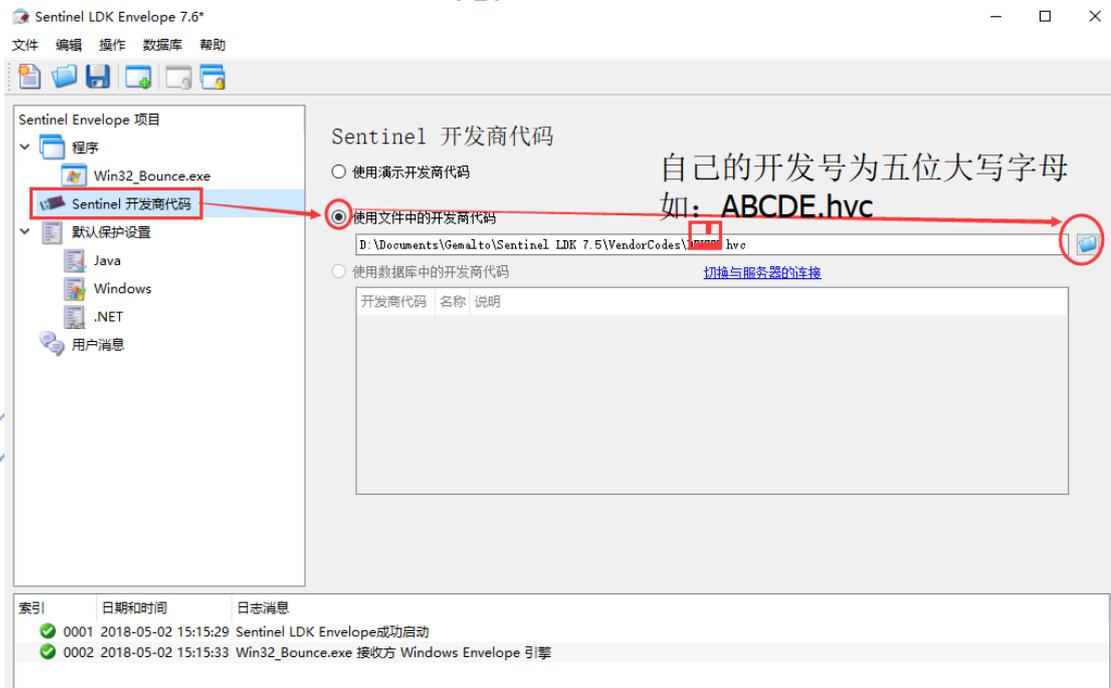


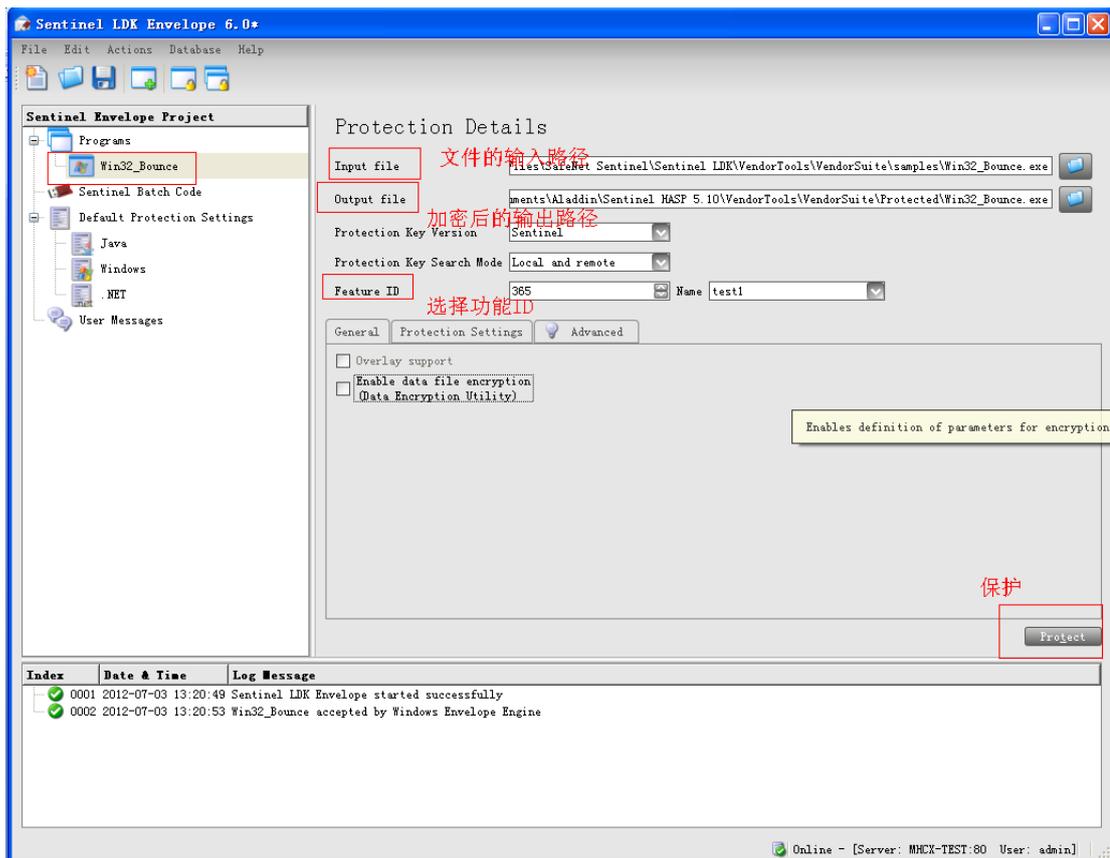
打开之后添加一个程序 (exe 或 dll) 进去，或拖进去即可：





*** (正式用户) 选择自己的开发号, 选择五位大写字母如“ABCDE”即是, 测试用户跳过此步骤。

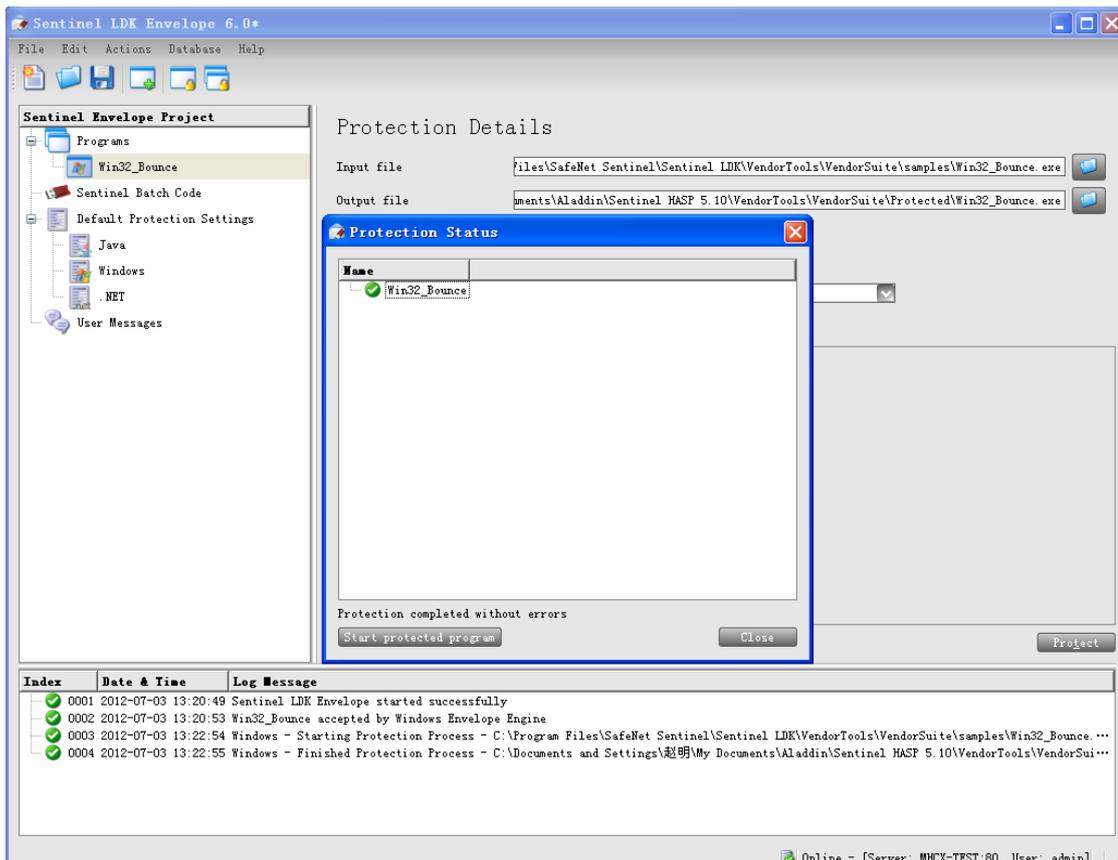




设置加密后的程序所在目录：Output file

Feature ID (功能 ID) 默认为 0，加密锁不用授权即可使用。建议测试时 ID 使用 0，正式发布时使用非 0 (请记住使用的 Feature ID <功能 ID>，授权时使用相同 ID)。

点击“保护”，提示保护成功，在输出路径下找到加密后的程序，将其放回程序原来所在目录。



插上加密锁（如果加密时使用非 0，需经过下面烧锁授权的步骤），运行加密之后的程序，和不插加密锁运行加密后的程序，试试效果，应该是有加密锁就能用，没有加密锁就不能用

（以上为加密的流程，下面为加密锁烧锁授权流程，加密与授权是独立的，不分先后）

EMS 烧制 HL 硬件加密锁流程

(视频教程直接点击 <http://www.chinadlp.com/ems.htm>)

1. 登录 EMS，默认用户名称和密码都是 admin，会提示密码修改，使用修改后的密码登录。
2. 定义 feature 功能
3. 定义 product 产品，将之前定义好的 feature 功能添加到 produce 中。
4. 定义好 product 产品之后，新建订单，将建立好的 product 产品添加到订单进行烧制

● 详细流程截图

1. 登录 EMS (默认用户名与密码均是: **admin**)





SentinelEMS

ENTITLEMENT MANAGEMENT SYSTEM 2.1.0

Login

User ID:

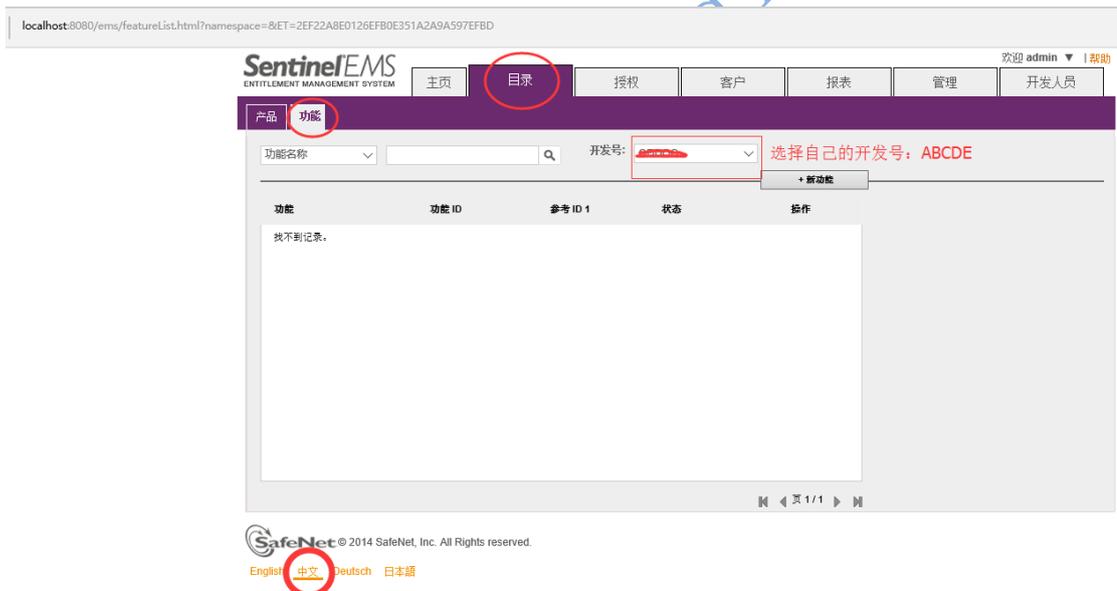
Password:

Remember my user ID on this computer.

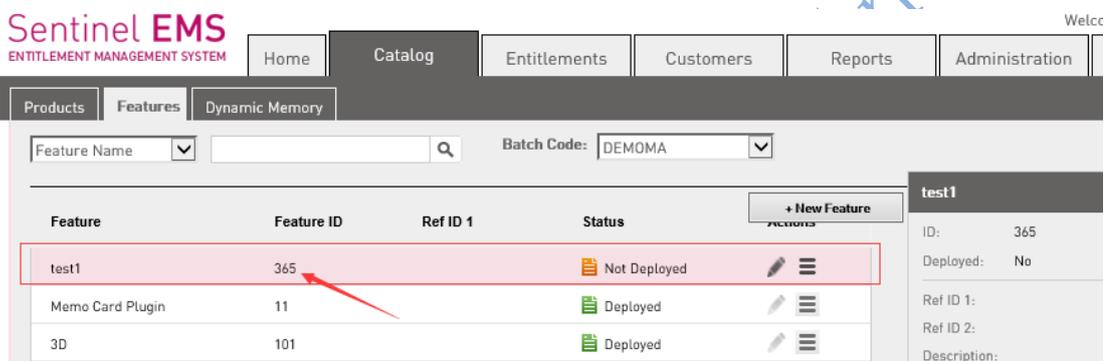
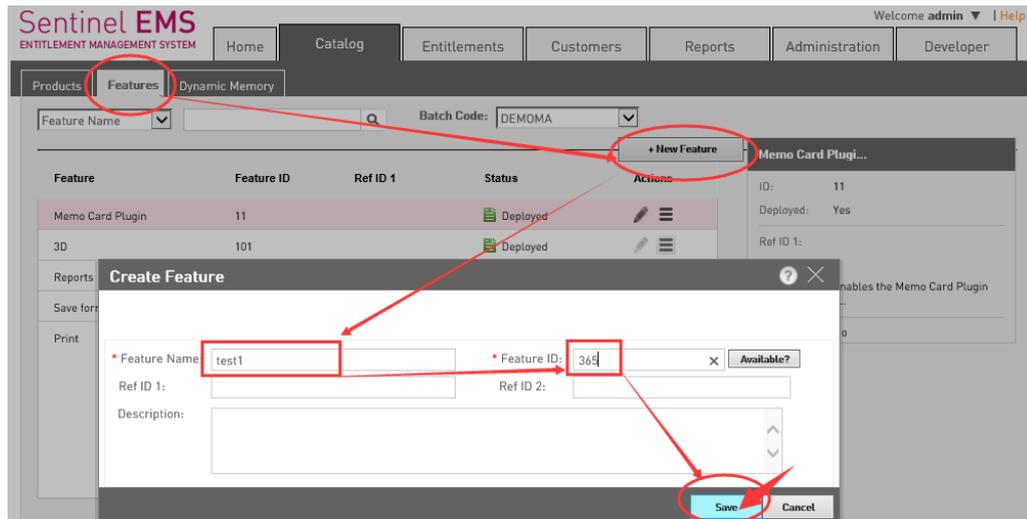
[Forgot password?](#)

SafeNet © 2011 SafeNet, Inc. All Rights Reserved.

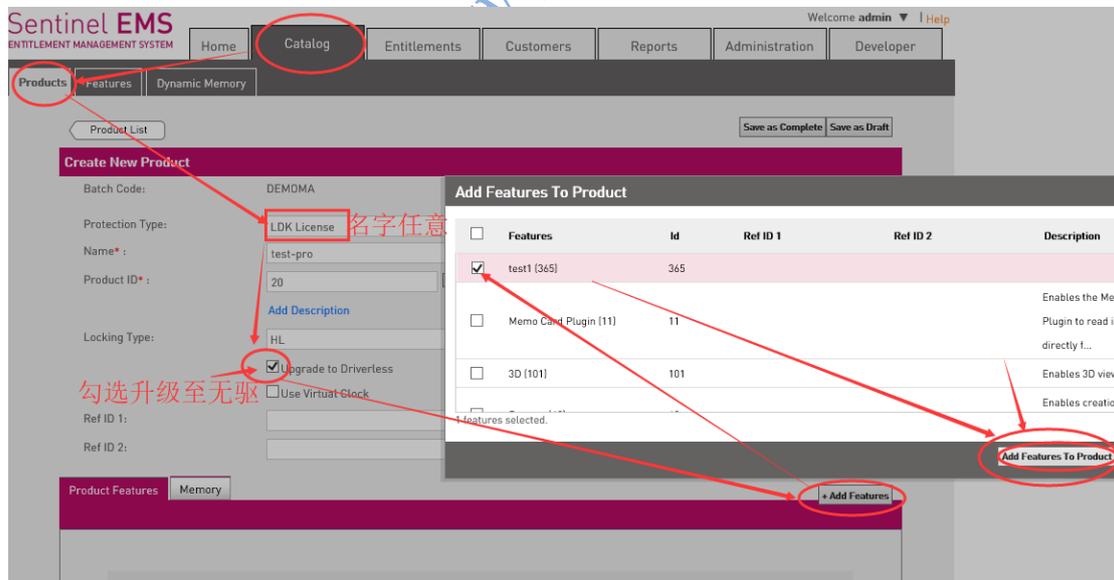
***（正式用户）选择自己的开发号，五位大写字母，如“ABCDE”即是，测试用户跳过此步骤。



2、定义 feature 功能 ID，选择 catlog 项目下面的 feaures 选项，新建一个 feature 功能，功能名字随意，功能 ID 与加密时必须相同，如图



3.接下来就是去定义 product 产品，如下图



定义功能的具体授权类型，这里的授权类型有 Execution Count（执行次数），Expiration data(过期日期)，Perpeual（永久许可），time period（使用天数），Concurrent（网络并发）

这些类型的许可，其中 执行次数和永久许可是所有加密锁都可以用的，过期日期和使用天数许可是 HL Time 时间锁和 HL NetTime 网络时间锁可以用的，网络并发是 HL net 网络锁和 HL NetTime 网络时间锁可以用的，如下图

Product List Save as Complete Save as Draft

Create New Product

Batch Code: DEMOMA

Protection Type: LDK License

Name*: test-pro

Product ID*: 20 Available?

[Add Description](#)

Locking Type: HL

Upgrade to Driverless

Use Virtual Clock

Ref ID 1:

Ref ID 2:

Product Features Memory + Add Features

Features	License Terms	Excludable? All None	
<input type="checkbox"/> test1 (365)	永久	Can be excluded	Configure Remove

Save as Complete Save as Draft

保存为完成

我这里以永久授权许可做为演示的例子，进行操作

目前状态产品建立成功

4、新建立订单烧制加密锁，如下图

Sentinel EMS
ENTITLEMENT MANAGEMENT SYSTEM

Welcome admin | Help

Home Catalog **Entitlements** Customers Reports Administration Developer

Entitlements Product Keys Check In C2V Check In Key Recycle

All [Search] Batch Code: DEMOMA

+ New Entitlement 点击，新建授权

Type	Created On	Customer	Ref ID 1	Status	Actions
Product Key	3/29/2018			Completed	
Product Key	1/30/2018			Completed	
HL Key	12/22/2017			Completed	
Key Update	8/14/2017			Completed	
HL Key	7/4/2017			Completed	
HL Key	6/7/2017			Acknowledged	
HL Key	6/7/2017			Acknowledged	
HL Key	5/24/2017			Acknowledged	
Product Key	5/22/2017			Completed	
Product Key	5/22/2017			Completed	
Product Key	5/22/2017			Product Keys	

Entitlement Details

EID: 65bc3b21-6011-4901-af2a-0da5ca1e2d0d

Status: Completed Protection Type: LDK License

Enabled: Yes

Customer Name: - E-mail: -

Channel Partner: - E-mail: -

Ref ID 1: Start Date: 3/29/2018 Ref ID 2: End Date: Unlimited

Comments:

Entitlement Type: Product Key-based Created By: admin

Product Keys: 1 Activations Per Product Key: 1

Prompt for Confirmation: No

User Registration: Desired

Key ID: 265720784465292629

Products Lock Type

Sentinel EMS
ENTITLEMENT MANAGEMENT SYSTEM

Welcome admin | Help

Home Catalog Entitlements Customers Reports Administration Developer

Entitlements Product Keys Check In C2V Check In Key Recycle

Entitlement List [Save as Draft] [Cancel]

Create New Entitlement

Batch Code: DEMOMA

Protection Type: LDK License

Customer: [Search]

Email: [Dropdown]

+ Add Channel Partner
+ Add Ref ID
+ Add Entitlement Notes

* Start Date: 05/02/2018

End Date: [Dropdown] Unlimited

Entitlement Type: Hardware Key Product Key Protection Key Update

* Number of keys: 1

Product Details **+ Add Product**

There are no Products in this entitlement

To add Products press the button "Add Product" above

Entitlement List [Save as Draft] [Cancel]

其它完全默认，点击添加产品

Sentinel EMS ENTITLEMENT MANAGEMENT SYSTEM

Welcome admin

Home Catalog Entitlements Customers Reports Administration Developer

Entitlements Product Keys Check In C2V Check In Key Recycle

Entitlement List Save as Draft Cancel

Product Selection

All [Search]

<input type="checkbox"/>	Products	Product ID	Type	Ref ID 1	Ref ID 2	Rehost	Lock Type
<input type="checkbox"/>	net42	14	Base			Disabled	HL
<input type="checkbox"/>	11	15	Base			Disabled	HL
<input type="checkbox"/>	time1222	16	Base			Disabled	HL
<input type="checkbox"/>	SL1day	17	Base			Leave as it is	SL-AdminMode
<input type="checkbox"/>	SL42	18	Base			Leave as it is	SL-AdminMode
<input type="checkbox"/>	SL42-DESK [SL42]	18	Modification			Leave as it is	SL-AdminMode
<input type="checkbox"/>	test-pro	20	Base			Disabled	HL

No product selected. Page 2 of 2

+ Add Product

Add Product To Entitlement Close

Entitlement List Save as Draft Cancel

Sentinel EMS ENTITLEMENT MANAGEMENT SYSTEM

Welcome admin | Help

Home Catalog Entitlements Customers Reports Administration Developer

Entitlements Product Keys Check In C2V Check In Key Recycle

Entitlement List Save as Draft Queue Produce Cancel

Create New Entitlement

Batch Code: DEMOMA

Protection Type: LDK License

Customer: [Search]

Email: [Dropdown]

+ Add Channel Partner
+ Add Ref ID
+ Add Entitlement Notes

* Start Date: 05/02/2018

End Date: [Dropdown] Unlimited

Entitlement Type: Hardware Key Product Key Protection Key Update

* Number of keys: 1

Memory + Add Product

Product Details

<input type="checkbox"/>	Product	Lock Type	Rehost	License Terms
<input type="checkbox"/>	test-pro	HL	-	

Show: Configurable

Top of list

Entitlement List Save as Draft Queue Produce Cancel

Sentinel EMS
ENTITLEMENT MANAGEMENT SYSTEM

Welcome admin | Help

Home Catalog Entitlements Customers Reports Administration Developer

Entitlements Product Keys Check In C2V Check In Key Recycle

Produce Sentinel HL Keys

Order Details

Customer: 1 Email: 1
 Quantity: 1 Remaining: 1
 Ref ID 1: Ref ID 2:
 Entitlement Comments:
 Products: Product Locking Type
 test-pro HL

Valid Keys

	Time	NetTime	Net	Max Mini	Max Micro	Drive	Max ExpressCard	Pro	Chip	Board	Drive microSD
Driverless	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HASP	✓	✓	✓	✓	✓	✓	✓	✓	NA	NA	✓

* Sentinel HL Only
 # Pro & basic keys are not supported with dynamic memory.

<input checked="" type="checkbox"/>	Key ID	Type	Batch	Status
<input checked="" type="checkbox"/>	944653076	Sentinel-HL-Max (Driverless)	DEMOMA	Ready to Burn

ge
Engl

点击一次，稍候会提示成功完成

Burn Blink Refresh

烧制成功，如下图

Produce Sentinel HL Keys

Order Details

Customer: 1 Email: 0
 Quantity: 1 Remaining: 0
 Ref ID 1: Ref ID 2:
 Entitlement Comments:
 Products: Product Locking Type
 test-pro HL

Valid Keys

	Time	NetTime	Net	Max Mini	Max Micro	Drive	Max ExpressCard	Pro	Chip	Board	Drive microSD
Driverless	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HASP	✓	✓	✓	✓	✓	✓	✓	✓	NA	NA	✓

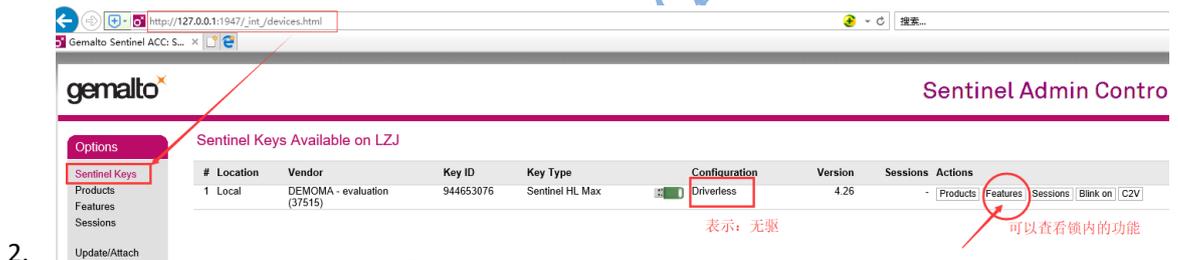
* Sentinel HL Only
 # Pro & basic keys are not supported with dynamic memory.

<input checked="" type="checkbox"/>	Key ID	Type	Batch	Status
<input checked="" type="checkbox"/>	944653076	Sentinel-HL-Max (Driverless)	DEMOMA	License burned successfully.

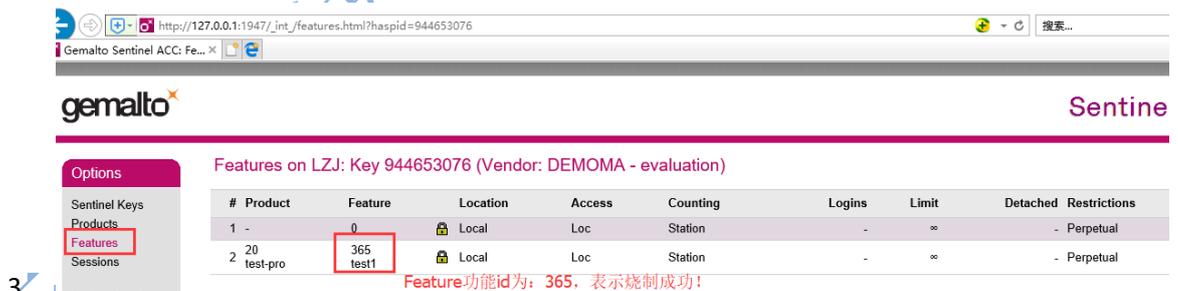
Burn Blink Refresh

查看加密锁中的信息，看是否烧锁成功

1. 如下图打开 admin control center 管理控制中心或者浏览器输入：<http://127.0.0.1:1947/int/devices.html>



- 2.



- 3.

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QQ 号：122543119