



**Juniper Networks Secure Access**  
**Juniper Networks Secure Access FIPS**

**快速入門指南**

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*Juniper Networks Secure Access and Secure Access FIPS Quick Start Guide, Release 5.3*

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# 快速入門

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## 簡介

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感謝您選擇使用 Juniper Networks Instant Virtual Extranet (IVE) 裝置。您可以按照下列幾個簡單的步驟來安裝 IVE 並且開始組態系統：

- 第 2 頁上的「步驟 1: 安裝硬體」
- 第 8 頁上的「步驟 2: 執行基本設定」
- 第 12 頁上的「步驟 3: 授權和組態您的 IVE」



**注意：**在安裝與設定您的 IVE 之後，請參閱管理員 Web 主控台 Initial Configuration task guide 以安裝最新的 IVE OS 服務套件，授權 IVE 裝置，並建立一個測試使用者以驗證使用者存取權限。若要測試初始設定並繼續設定您的 IVE，請參閱 IVE 的 *Juniper Networks Secure Access Administration Guide* 中的 "Getting started" 一節。

我們建議您將 IVE 裝置安裝在 LAN 中，以確保它可以和適當的資源通訊，這些資源包括驗證伺服器、DNS 伺服器、透過 HTTP/HTTPS 連結的內部網路伺服器、透過 HTTP/HTTPS 連結的外部網站（可省略）、Windows 檔案伺服器（可省略）、NFS 檔案伺服器（可省略）及用戶端 / 伺服器應用程式（可省略）。



**注意：**如果您決定將 IVE 裝置安裝在 DMZ 中，請確定 IVE 裝置可以連接這些內部資源。

## 步驟 1: 安裝硬體

IVE 裝置擁有各種硬體設計的特色。您的 IVE 的硬體安裝程序要視您購買的 IVE 的特定型號而定。下列章節包括 Juniper Networks 提供的各種 IVE 系統的硬體安裝程序：

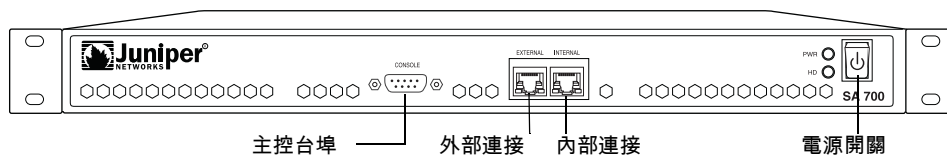
- 第 2 頁上的「Secure Access 700」
- 第 3 頁上的「Secure Access 2000 和 Secure Access 4000」
- 第 4 頁上的「Secure Access 6000」
- 第 5 頁上的「Secure Access 4000 FIPS 和 Secure Access 6000 FIPS」



**注意：**如需有關 Secure Access 及 Secure Access FIPS 的安全資訊，請參閱 Juniper Networks 支援網站上的 *Juniper Networks Security Products Safety Guide*。

### Secure Access 700

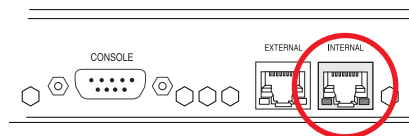
圖 1: Secure Access 700



Secure Access 700 出貨時附有裝載耳和塑膠腳。請使用裝載耳來裝載本裝置，或是裝上塑膠腳，將本裝置放在平坦的表面上。接著，請按照下述步驟連接隨附纜線並開啓 IVE。

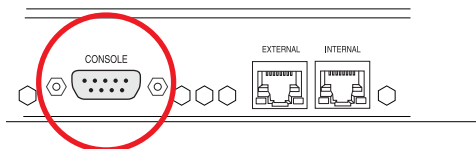
1. 將電源線插到后面板的 AC 插座上。
2. 在前面板上：
  - a. 將乙太網路纜線插入 "INTERNAL" 連接埠中。開啓 IVE 的電源後，內部連接埠會用 2 個 LED 燈來表示連線狀態，其意義請參閱第 8 頁的表 1 的說明。

圖 2: 內部連接埠位於前面板上



- b. 將序列纜線插入主控台埠中。

**圖 3: 主控台埠位於前面板上**

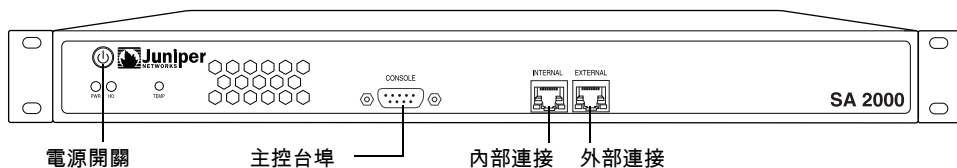


- c. 按下右邊角落的電源開關。電源開關旁的綠色 LED 亮。

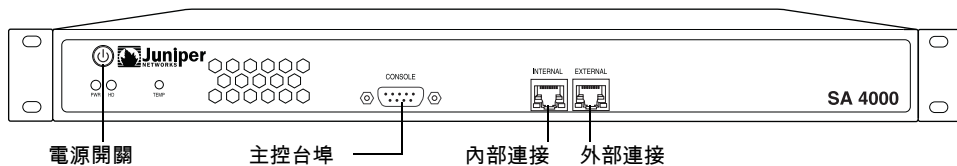
將裝置裝設到機架上或放在適當的平坦地方，接妥電源、網路和序列纜線，最後再開啓電源，硬體安裝即告完成。下一步則是要依照第 8 頁上的「步驟 2: 執行基本設定」所述連接裝置的序列主控台。

## Secure Access 2000 和 Secure Access 4000

**圖 4: Secure Access 2000**



**圖 5: Secure Access 4000**



Secure Access 2000 和 Secure Access 4000 裝置隨附有裝載托架，與底盤的前端連接。按照下述步驟裝載機架、連接隨附纜線並開啓 IVE 電源：

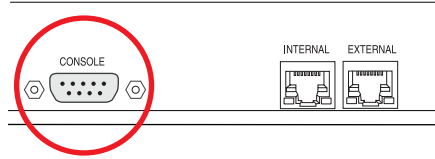
1. 利用連接在機體上的裝載托架，將 IVE 裝置架設到伺服器機架內。
2. 將電源線插到后面板的 AC 插座上。
3. 在前面板上：
  - a. 將乙太網路纜線插入「內部」連接埠中。開啓 IVE 的電源後，內部連接埠會用 2 個 LED 燈來表示 LAN 連線狀態，其意義請參閱第 8 頁的表 1 的說明。

**圖 6: 內部連接埠位於前面板上**



- b. 將序列纜線插入主控台埠中。

**圖 7: 主控台埠位於前面板上**

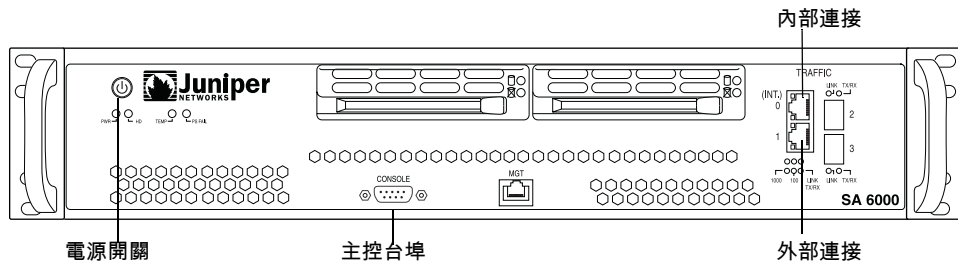


- c. 按下左邊角落的電源開關。電源開關下方的綠色 LED 會亮起。每當裝置從 IVE 硬碟讀取資料或是將資料寫入硬碟時，IVE 硬碟燈都會亮起。

完成裝置的機架裝載，接妥電源、網路與序列纜線並開啓電源後，硬體安裝即告完成。下一步則是要依照第 8 頁上的「步驟 2: 執行基本設定」所述連接裝置的序列主控台。

## Secure Access 6000

**圖 8: Secure Access 6000**



Secure Access 6000 隨附有裝載托架，與底盤的前端連接。按照下述步驟裝載機架、連接隨附纜線並開啓 IVE 電源：

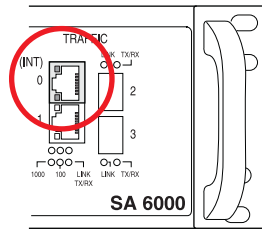
1. 請利用連接在機體上的裝載托架，將 IVE 裝置架設到伺服器機架內。
2. 將電源線插到后面板的 AC 插座上。如果您的 Secure Access 6000 有兩個電源供應器，請分別將其電源線插到 AC 插座內。



**注意：**雖然 Secure Access 6000 只需要一個電源供應器即可正常運作，但必須將兩個電源供應器都接上電源才能發揮 Secure Access 6000 的備援供電功能。

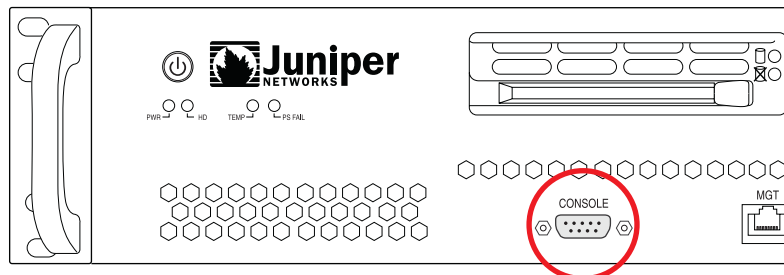
3. 在前面板上：
  - a. 將乙太網路纜線插入 "INT" (內部) 連接埠中。開啓 IVE 的電源後，內部連接埠會用 2 個 LED 燈來表示 LAN 連線狀態，燈號意義請參閱第 8 頁的表 1 的說明。

**圖 9: 內部連接埠位於前面板上**



- b. 將序列纜線插入主控台埠中。

**圖 10: 主控台埠位於前面板上**



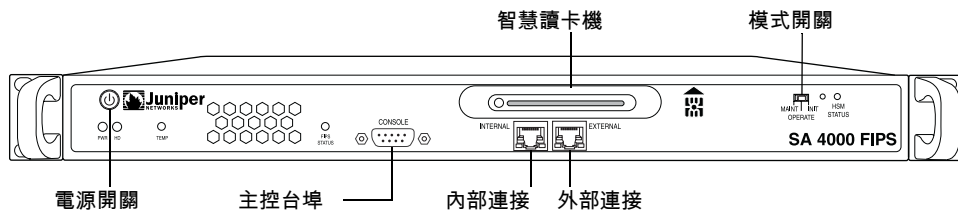
- c. 按下左邊角落的電源開關。電源開關下方的綠色 LED 會亮起。每當裝置從 IVE 硬碟讀取資料或是將資料寫入硬碟時，IVE 硬碟燈都會亮起。

**注意：**如需有關 SA 6000 硬體元件的詳細資訊，請參閱 *Juniper Networks Secure Access Administration Guide* 中的 "Secure Access 6000" 一節。

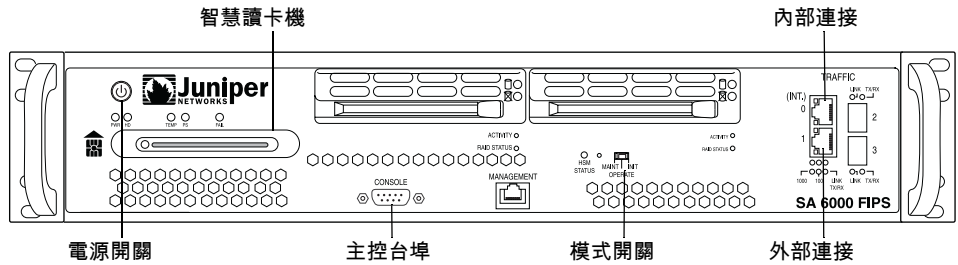
完成裝置的機架裝載，連接電源、網路與序列纜線並開啓電源後，硬體安裝就算完成。下一步則是要依照第 8 頁上的「步驟 2: 執行基本設定」所述，連接裝置的序列主控台。

## Secure Access 4000 FIPS 和 Secure Access 6000 FIPS

**圖 11: Secure Access 4000 FIPS**



**圖 12: Secure Access 6000 FIPS**

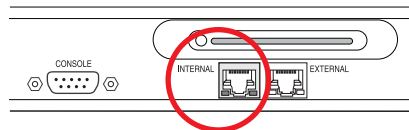


Secure Access 4000 FIPS 和 Secure Access 6000 FIPS 裝置隨附有裝載托架，與底盤的前端連接。請按照下節所述步驟裝載機架、連接隨附纜線並開啓 IVE 電源。

### Secure Access 4000 FIPS

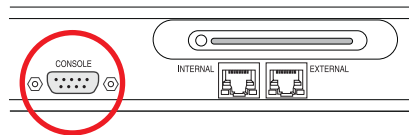
1. 利用連接在機體上的裝載托架，將 Secure Access 4000 FIPS 裝置，架設到伺服器機架內。
2. 將電源線插到后面板的 AC 插座上。
3. 在前面板上：
  - a. 將乙太網路纜線插入「內部」連接埠中。開啓 IVE 的電源後，內部連接埠會用 2 個 LED 燈來表示 LAN 連線狀態，燈號意義請參閱第 8 頁的表 1 的說明。

**圖 13: 內部連接埠位於前面板上**



- b. 將序列纜線插入主控台埠中。

**圖 14: 主控台埠位於前面板上**



- c. 按下右邊角落的電源開關。電源開關下方的綠色 LED 會亮起。每當裝置從硬碟讀取資料或是將資料寫入硬碟時，硬碟燈都會亮起。

完成裝置的機架裝載，連接電源、網路與序列纜線並開啓電源後，硬體安裝就算完成。下一步則是要依照第 8 頁上的「步驟 2: 執行基本設定」所述，連接裝置的序列主控台。

### Secure Access 6000 FIPS

1. 請利用連接在機體上的裝載托架，將 Secure Access 6000 FIPS 裝置裝設到伺服器機架內。

2. 將電源線接到後面板的兩個 AC 電源供應器。

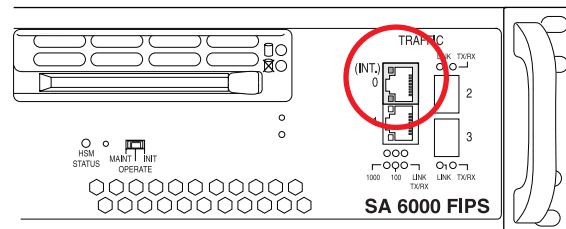


**注意：**雖然 Secure Access 6000 FIPS 裝置只需要一個電源供應器即可正常運作，但必須將兩個電源供應器都接上電源才能發揮 Secure Access 6000 FIPS 裝置的備援供電功能。

3. 在前面板上：

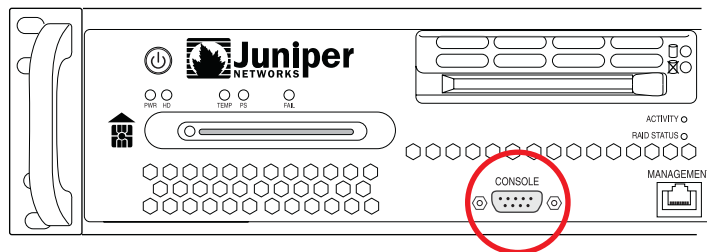
- a. 將乙太網路纜線插入 "INT" (內部) 連接埠中。開啓 IVE 的電源後，內部連接埠會用 2 個 LED 燈來表示 LAN 連線狀態，燈號意義請參閱 第 8 頁的表 1 的說明。

**圖 15: 內部連接埠位於前面板上**



- b. 將序列纜線插入主控台埠中。

**圖 16: 主控台埠位於前面板上**



- c. 按下左邊角落的電源開關。電源開關下方的綠色 LED 會亮起。裝置從任何一個硬碟讀取資料或是將資料寫入硬碟時，IVE 硬碟燈都會亮起。

完成裝置的機架裝載，接妥電源和網路纜線並開啓電源後，硬體安裝即告完成。下一步則是要依照第 8 頁上的「步驟 2: 執行基本設定」所述，連接裝置的序列主控台。

## LED 與模組狀態指示燈的運作

**表 1: 內部連接埠 LED**

LAN 狀態	LED 1	LED2
10 Mbps 連線	關閉	N/A
100 Mbps 連線	綠色	N/A
1000 Mbps 連線	橘色	N/A
傳輸資料	橘色、綠色或燈熄	閃爍
未連線	關閉	關閉

**表 2: Secure Access FIPS \_ 硬體安全模組狀態指示燈**

LAN 狀態	LED 1	說明
預初始化狀態	一次，短暫閃爍	模組已準備好初始化。
操作狀態	穩定亮起但會定期閃爍熄滅	模式開關設定為 O (操作)。設定為 1 以開始初始化。
維護前狀態	一次，長時間閃爍	模式開關設定為 M (維護)。設定為 1 以開始初始化。

## 步驟 2: 執行基本設定

如果啟動一個未組態的 Secure Access 或 Secure Access FIPS 裝置，必須透過序列主控台輸入基本網路及電腦資訊，才能在網路上存取該裝置。輸入這些設定後，您可以透過系統管理員的 Web 主控台，繼續進行裝置的組態工作。本節介紹初次連接 Secure Access 或 Secure Access FIPS 裝置時，您必須執行的序列主控台設定和工作。

### 若要執行基本設定：

1. 組態電腦上執行的序列主控台終端機或終端機模擬公用程式（例如：超級終端機），使用這些序列連線參數：
  - 每秒 9600 位元
  - 8 位元無同位檢查 (8N1)
  - 1 停止位元
  - 無流量控制
2. 將終端機或筆記型電腦連接到插在裝置主控台埠內的序列纜線，並在初始化指令碼提示時按下 **Enter**。

圖 17: IVE 序列主控台的歡迎使用畫面

```

Telnet

E1000 driver loaded
.....
No data to import
Creating initial default data

About to boot as a stand-alone IVE.
Hit TAB for clustering options, wait or hit Enter to continue....
Starting Core Services

Welcome to the initial configuration of your server!
NOTE: Press 'y' if this is a stand-alone server or the first
machine in a clustered configuration.
If this is going to be a member of an already running cluster
press n to reboot. When you see the 'Hit TAB for clustering options'
message press TAB and follow the directions.
Would you like to proceed (y/n)?:

CTRL-A Z for help | 9600 8N1 | NOR | Minicom 2.00.0 | UT102 | Offline

```

3. 輸入 **y**，繼續執行；再輸入 **y**，表示接受軟體授權條件（或輸入 **r**，先閱讀軟體授權）。
4. 遵循序列主控台的說明，依提示輸入電腦資訊，包括：
  - 內部連接埠的 IP 位址（在初始組態後，透過系統管理員的 Web 主控台，組態外部連接埠）
  - 網路遮罩
  - 預設閘道位址
  - 主要 DNS 伺服器位址
  - 次要 DNS 伺服器位址（可省略）
  - 預設 DNS 網域名稱（例如 acmegizmo.com）
  - WINS 伺服器名稱或位址（可省略）
  - 管理員的使用者名稱
  - 管理員密碼
  - 一般電腦名稱（例如 connect.acmegizmo.com）

- 組織名稱 (例如 Acme Gizmo, Inc.)



**注意：**IVE 使用一般電腦名稱和組織名稱來建立自我簽署數位憑證，供產品評估和初始設定時使用。

如果您是設定 Secure Access 700、2000、4000 或 6000，我們強力建議您在將 IVE 部署到正式的作業環境中前，先從信任的憑證授權單位 (CA) 匯入簽署數位憑證。

如果是設定 Secure Access FIPS 4000 或 6000，則務必先使用 IVE 管理員 Web 主控台產生新的憑證簽署要求，再將 IVE 部署至正式的作業環境。

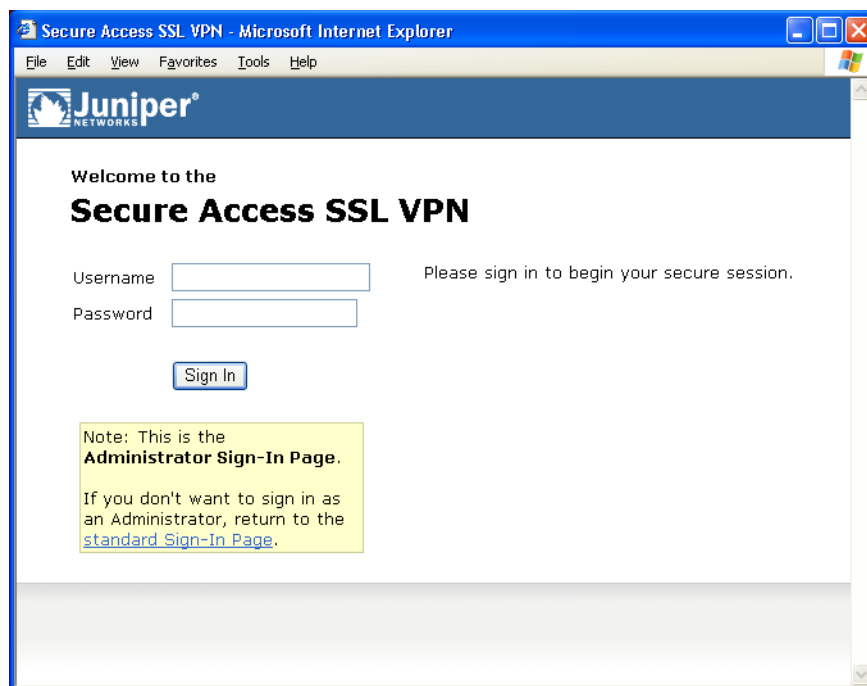
如需詳細資訊，請參閱 *Juniper Networks Secure Access Administration Guide* 中的 "Certificates" 一節。

5. 如果您是在安裝 Secure Access FIPS 裝置：
  - a. 序列主控台提示時，將模式開關設為 **INIT** (初始化模式)。藍色的硬體安全模組 (HSM) LED 會指示硬體安全模組的模式，在第 8 頁的表 2 中將會有說明。
  - b. 指定要初使化的智慧卡數目。
  - c. 將其中一個智慧卡電路接點面朝上插入讀卡機中，直到智慧讀卡機模組的指示燈從紅色變為綠色。當模組在 **INIT** 模式時，請勿將智慧卡取出。
  - d. 插入智慧卡後，智慧讀卡機模組上的 LED 會轉成綠色。但這不表示智慧卡的插入方式是 *正確* 的。請確定有將智慧卡的電路接點面朝上插入，這樣才是正確的插入方向。
  - e. 輸入智慧卡的管理員密碼 (初始化每一張管理智慧卡均須輸入一個密碼)。
  - f. 將模式開關切回 **OPERATE** (操作模式)。

輸入完所有資訊後，序列主控台的設定即告完成。IVE 提示您可以選擇修改設定時，請選擇適當的選項或繼續執行。

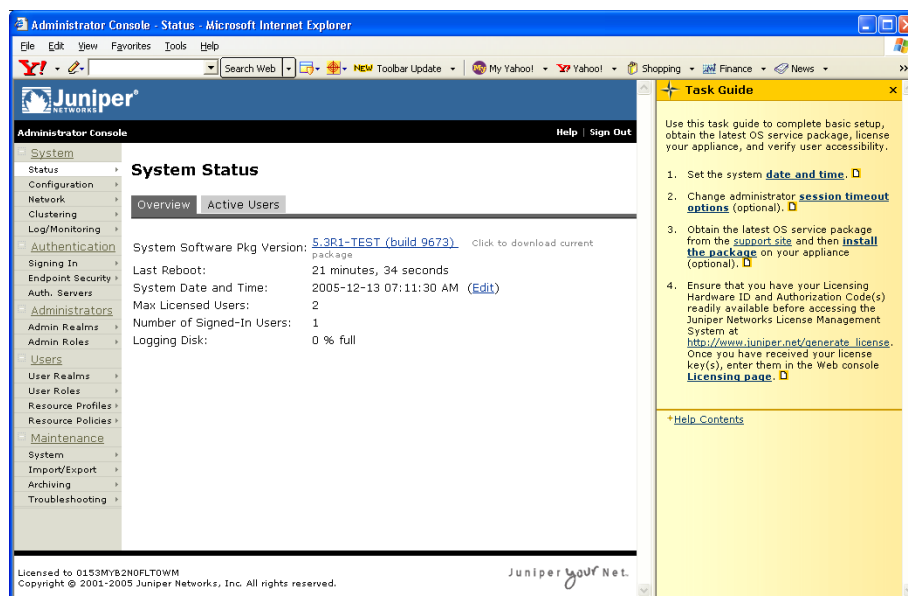
6. 在瀏覽器中輸入電腦的 URL 並加上 /admin，以存取系統管理員登入頁面。URL 的格式是 :<https://a.b.c.d/admin>，其中 a.b.c.d 是您在步驟 4 中輸入的電腦 IP 位址。提示您無簽署憑證而繼續執行會影響安全時，請按一下 **Yes**。如果出現系統管理員登入頁面，即表示您的 IVE 裝置已經順利連接網路。

圖 18: 系統管理員登入頁面



7. 在登入頁面上輸入您在步驟 4 中建立的系統管理員的使用者名稱及密碼，然後按一下 **Sign In**。管理員的 Web 主控台開啓 **System > Status > Overview** 頁面。

圖 19: System &gt; Status &gt; Overview 頁面



### 步驟 3: 授權和組態您的 IVE

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在您安裝 IVE 並執行基本設定之後，您就準備好安裝最新的 IVE OS 服務套件、授權 IVE、驗證存取權限，以及完成組態程序：

- 若要安裝最新的 IVE OS 服務套件、授權 Secure Access 或 Secure Access FIPS 裝置，以及建立一個測試使用者以驗證使用者存取權限，請遵循內建在管理員 Web 主控台內的 Task Guide。
- 若要測試初始設定並繼續設定您的 IVE，請參閱 IVE 的 *Juniper Networks Secure Access Administration Guide* 中的 "Getting Started" 一節。