



SHINY ON Azure

January 2017
2017.02.06



AGENDA

SHINY

+

AZURE



SHINY
ON
AZURE



DATA -- 空氣品質指標(AQI)



20個測站

(二林,三重,三義,土城,士林,大同,大里,大園,大寮,小港,中山,
中壢,仁武,斗六,冬山,古亭,左營,平鎮,永和,安南)

49天

(2016/12/18 - 2017/02/04)

空氣品質指標為依據監測資料將當日空氣中臭氧(O3)、細懸浮微粒(PM2.5)、懸浮微粒(PM10)、一氧化碳(CO)、二氧化硫(SO₂)及二氧化氮(NO₂)濃度等數值，以其對人體健康的影響程度，分別換算出不同污染物之副指標值，再以當日各副指標之最大值為該測站當日之空氣品質指標值(AQI)



比較兩測站空氣品質指標(AQI)的趨勢



選擇兩個不同測站



比較兩測站空氣品質指標(AQI)的趨勢





BUILDING 'SHINY' APPLICATIONS WITH R



INTRODUCTION TO SHINY

- ✓ Shiny is a package from Rstudio
- ✓ It's a web development framework in R.
- ✓ It can be easy to build interactive web applications with R.

You don't need to know following tools:

- ✗ Html
- ✗ Javascript
- ✗ CSS



INSTALL SHINY

- ✓ `install.packages("shiny")`

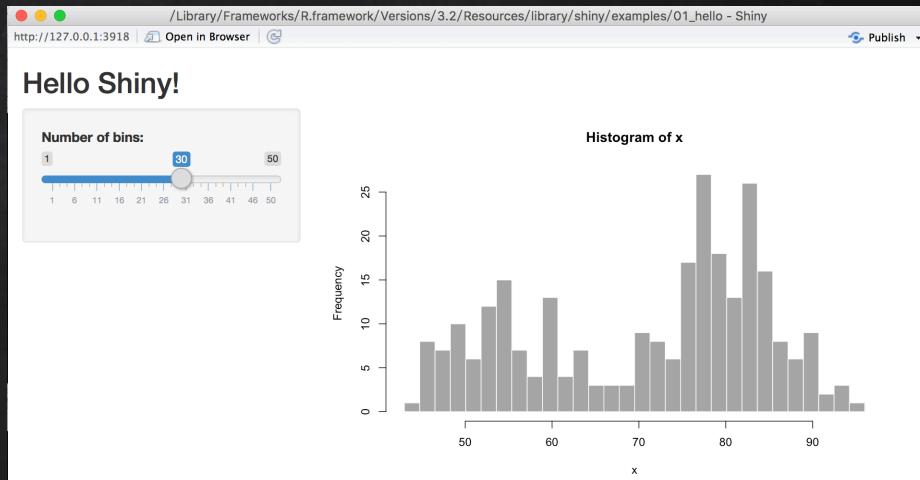
```
Console ~/ 
> install.packages("shiny")
    % Total    % Received % Xferd  Average Speed   Time     Time     Time  Current
          Dload  Upload Total   Spent   Left Speed
0      0      0      0      0      0      0      0      0      0 2631k      0
0      0      0      0      0      0      0      0      0 2631k      4 112k      0      0 6682
4      0  0:00:40  0:00:01  0:00:39 66828 10 2631k      10 288k      0      0 100k      0 0:00:26
0:00:02  0:00:24 100k 23 2631k      23 624k      0      0 164k      0 0:00:15  0:00:03 0:00:12
164k 41 2631k      41 1104k      0      0 233k      0 0:00:11  0:00:04 0:00:07 233k 69 2631k      69
1840k      0      0 314k      0 0:00:08  0:00:05 0:00:03 363k 100 2631k      100 2631k      0      0
397k      0 0:00:06  0:00:06      515k

The downloaded binary packages are in
/var/folders/hb/qyk2y1mj40ld_4fnqdfxjrf80000gn/T//RtmpMuFGUZ downloaded_packages
>
```



HELLO SHINY

✓ `library(shiny)`
`runExample("01_hello")`



The screenshot shows a Shiny application running in a web browser. The title bar indicates the path is /Library/Frameworks/R.framework/Versions/3.2/Resources/library/shiny/examples/01_hello - Shiny and the URL is http://127.0.0.1:3918. The browser window has tabs for "Open in Browser" and "Publish".

The application interface includes:

- A title "Hello Shiny!".
- An input slider labeled "Number of bins" with a value of 30, ranging from 1 to 50.
- A histogram titled "Histogram of x" with the x-axis labeled "x" and the y-axis labeled "Frequency". The histogram shows a distribution with a peak around 78-80.
- A descriptive text block below the histogram: "This small Shiny application demonstrates Shiny's automatic UI updates. Move the Number of bins slider and notice how the `renderPlot` expression is automatically re-evaluated when its dependent, `input$bins`, changes, causing a histogram with a new number of bins to be rendered."
- Code snippets for "server.R" and "ui.R".
- A "show with app" button.

```
server.R ui.R
```

```
library(shiny)

# Define server logic required to draw a histogram
function(input, output) {
```

```
# Expression that generates a histogram. The expression is
# wrapped in a call to renderPlot to indicate that:
#
```



A SHINY PROJECT

You need two files:

✓ **Ui.R**

-- User interface

-- Determine how your app looks

✓ **Server.R**

-- Backend or engine of the application

-- It's where the data is processed

-- Control what your app does



How DOES SHINY WORK



① User 從 Ui.R 中給一個參數





How DOES SHINY WORK



① User 從 Ui.R 中給一個參數

Input

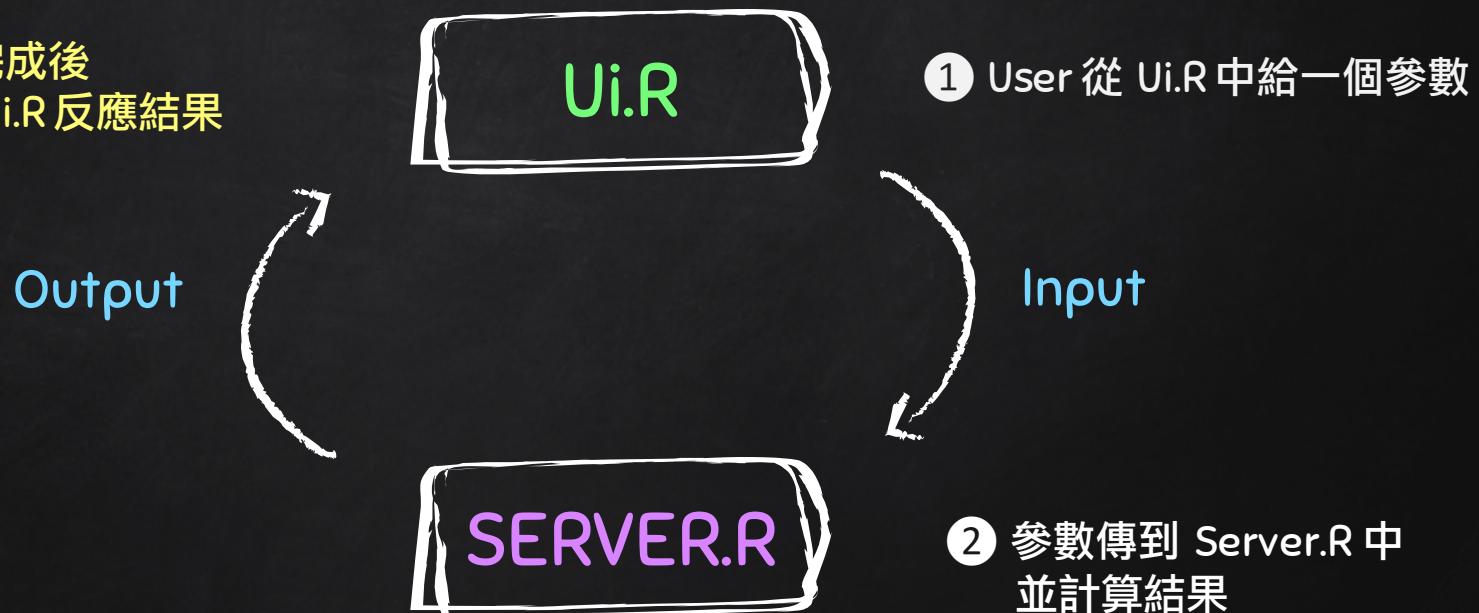


② 參數傳到 Server.R 中
並計算結果



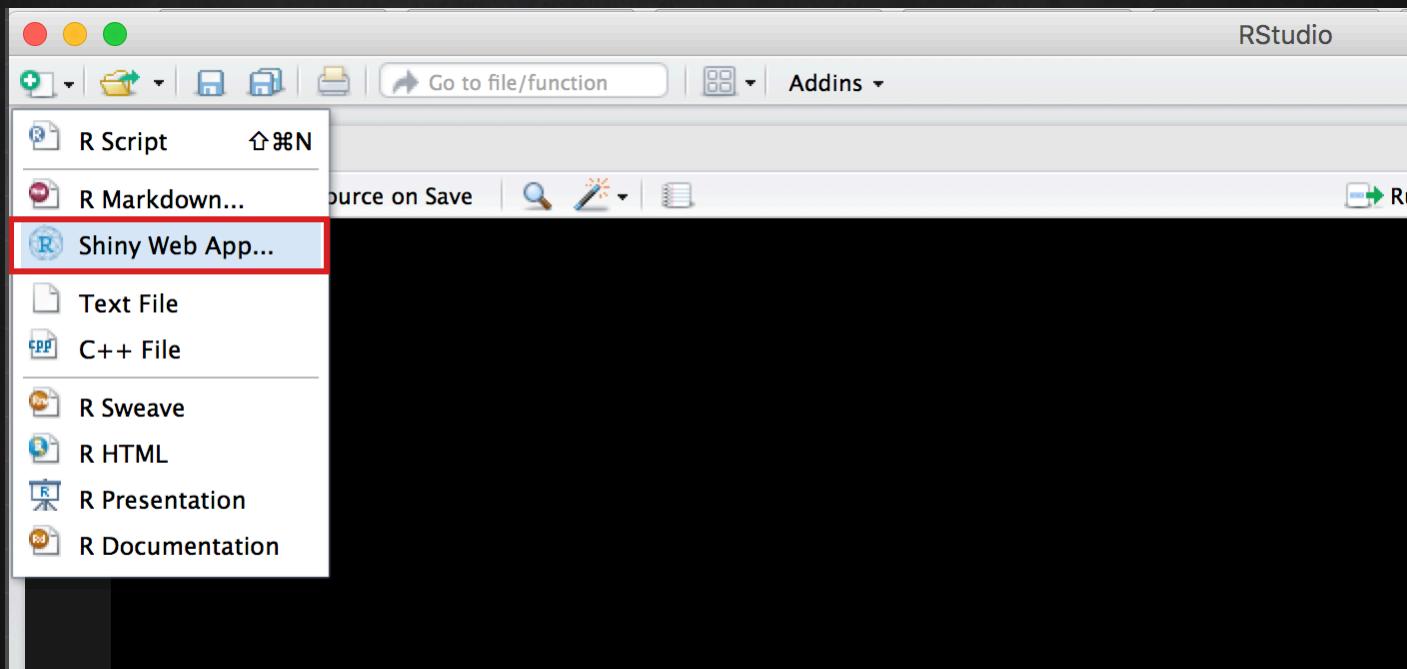
HOW DOES SHINY WORK

- ③ 計算完成後
傳回 Ui.R 反應結果





YOUR FIRST SHINY APP



The screenshot shows the RStudio interface with the 'File' menu open. The 'File' menu bar includes standard icons for file operations like New, Open, Save, and Print, followed by 'Go to file/function'. Below the menu bar is a toolbar with icons for Source on Save, Find, and Run. The 'File' menu itself contains options for creating different types of files: R Script, R Markdown..., Shiny Web App... (which is highlighted with a red box), Text File, C++ File, R Sweave, R HTML, R Presentation, and R Documentation.

- R Script
- R Markdown...
- Shiny Web App...
- Text File
- C++ File
- R Sweave
- R HTML
- R Presentation
- R Documentation



YOUR FIRST SHINY APP

New Shiny Web Application



Application name:

Application type: Single File (app.R)
 Multiple File (ui.R/server.R)

Create within directory:

[?](#) Shiny Web Applications



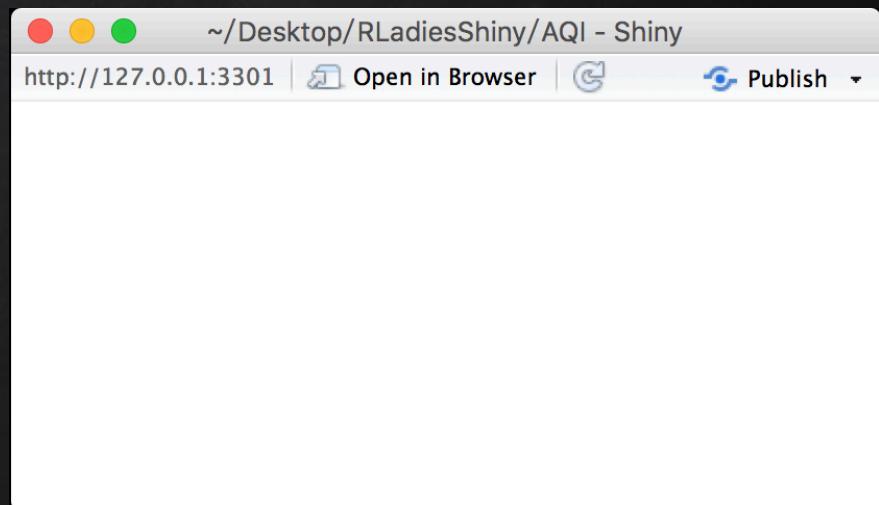
YOUR FIRST SHINY APP

```
ui.R * server.R *
Run App ▾
1 #>
2 # This is the user-interface definition of a Shiny web application. You can
3 # run the application by clicking 'Run App' above.
4 #
5 # Find out more about building applications with Shiny here:
6 #
7 #     http://shiny.rstudio.com/
8 #
9
10 library(shiny)
11
12 # Define UI for application that draws a histogram
13 shinyUI(fluidPage(
```



A SHINY PROJECT - UI.R

```
1 library(shiny)  
2  
3 shinyUI(fluidPage(  
4   ))  
5
```





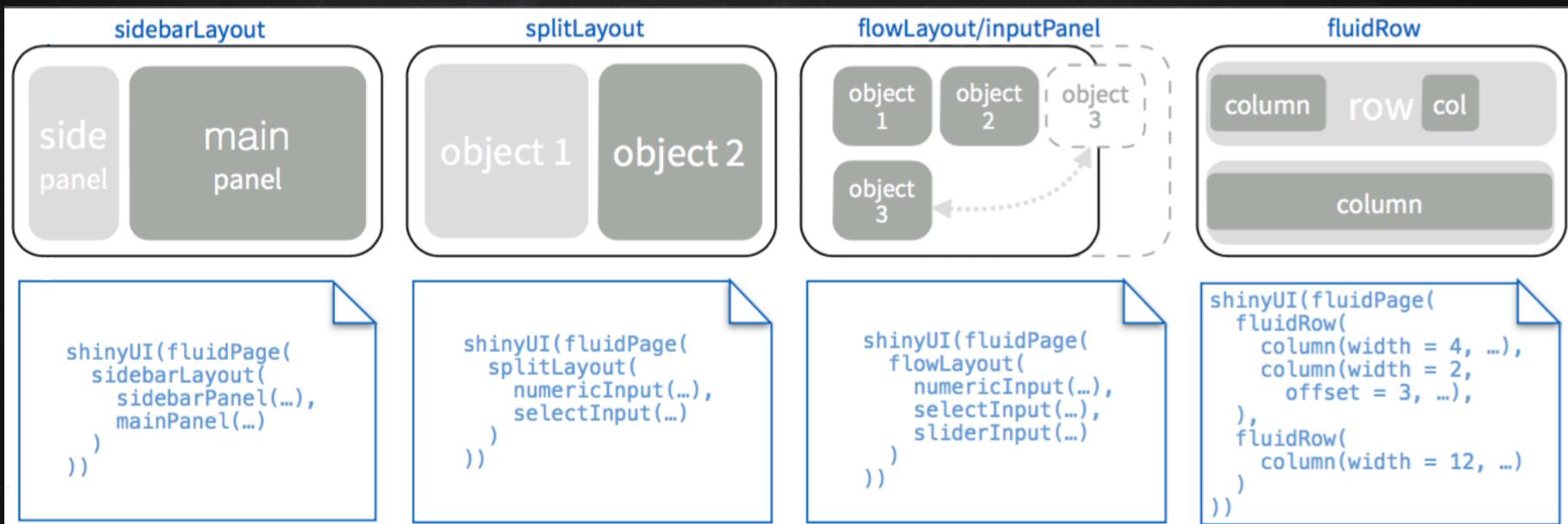
A SHINY PROJECT - UI.R

```
1 library(shiny)  
2  
3 shinyUI(fluidPage(  
4  
5   titlePanel("比較兩測站AQI趨勢")  
6  
7 ))
```



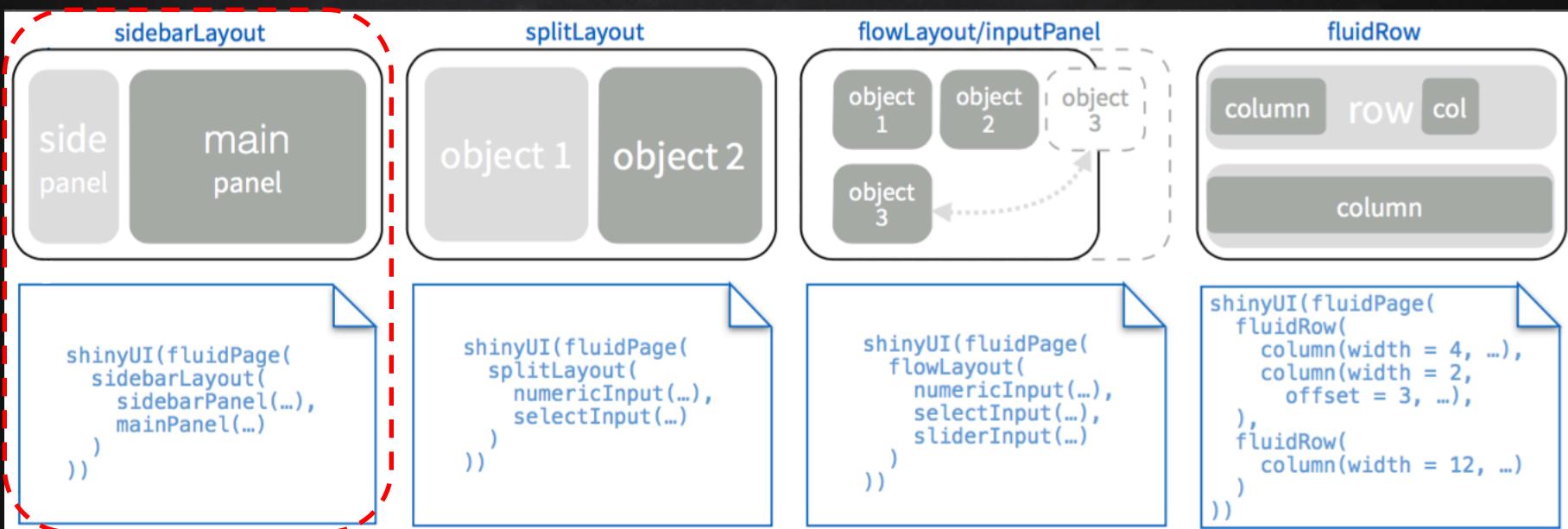


A SHINY PROJECT - UI.R





A SHINY PROJECT - UI.R





A SHINY PROJECT - UI.R

1

Check me `checkboxInput(inputId, label, value)`

2



`dateInput(inputId, label, value, min, max, format, startview, weekstart, language)`

3



`dateRangeInput(inputId, label, start, end, min, max, format, startview, weekstart, language, separator)`

4

`1` `numericInput(inputId, label, value, min, max, step)`

5

Choice A `radioButtons(inputId, label, choices, selected, inline)`
 Choice B
 Choice C

6

`Choice 1` ▾ `selectInput(inputId, label, choices, selected, multiple, selectize, width, size) (also selectizeInput())`

Choice 1
Choice 2

7

`0 5 10` `sliderInput(inputId, label, min, max, value, step, round, format, locale, ticks, animate, width, sep, pre, post)`



A SHINY PROJECT - UI.R

1

Check me `checkboxInput(inputId, label, value)`

2



`dateInput(inputId, label, value, min, max, format, startview, weekstart, language)`

3



`dateRangeInput(inputId, label, start, end, min, max, format, startview, weekstart, language, separator)`

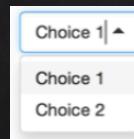
4

`1` `numericInput(inputId, label, value, min, max, step)`

5

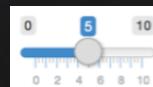
Choice A `radioButtons(inputId, label, choices, selected, inline)`

6



`selectInput(inputId, label, choices, selected, multiple, selectize, width, size) (also selectizeInput())`

7



`sliderInput(inputId, label, min, max, value, step, round, format, locale, ticks, animate, width, sep, pre, post)`

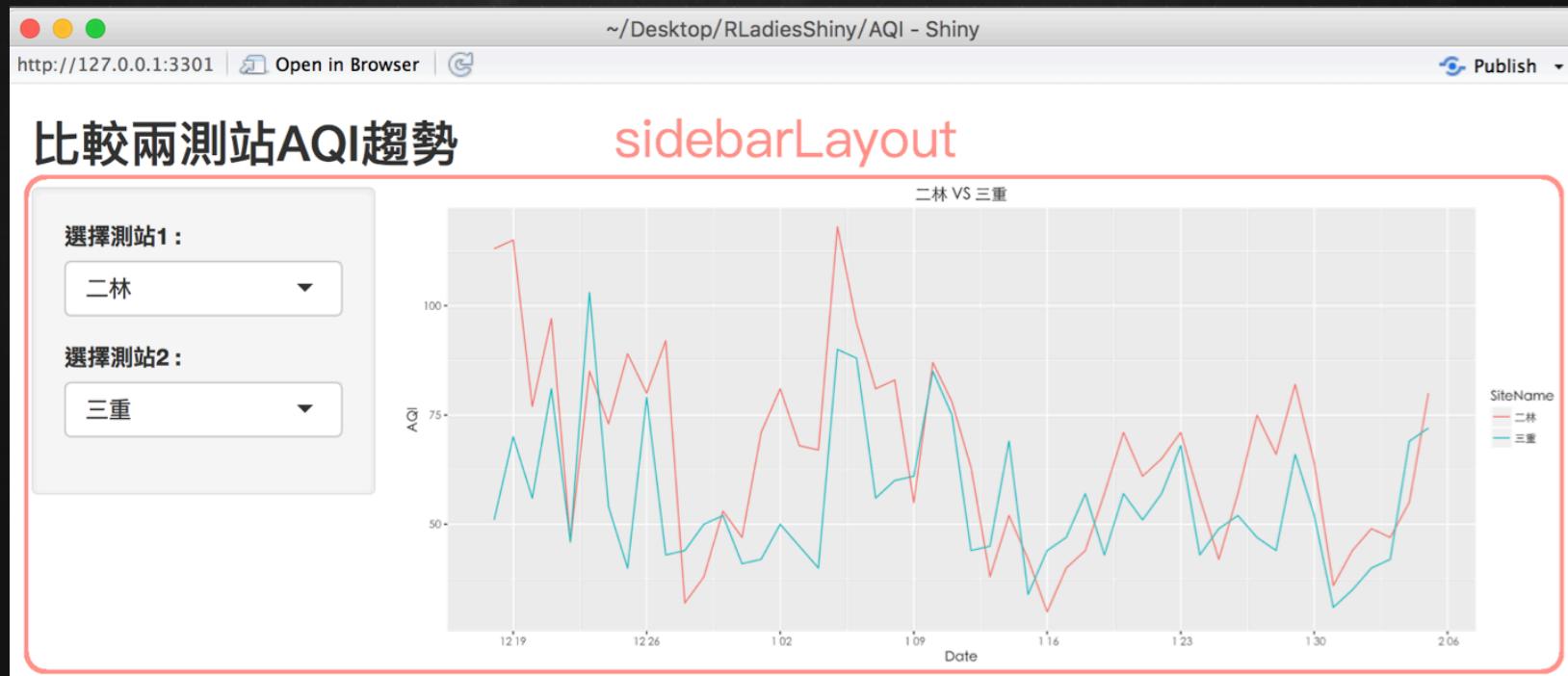


A SHINY PROJECT - UI.R

```
1 library(shiny)
2 inputPath = '/Users/hsinyu/Desktop/RladiesShiny/AQI'
3 Air_data = read.csv(file.path(inputPath, 'data_AQI_new.csv'), stringsAsFactors=FALSE)
4 site = unique(Air_data$SiteName)
5
6 shinyUI(fluidPage(
7
8     titlePanel("比較兩測站AQI趨勢") ,
9
10    sidebarLayout(
11        sidebarPanel(
12            selectInput("site1", "選擇測站1 :", as.vector(site)),
13            selectInput("site2", "選擇測站2 :", as.vector(site)),
14            width=3) ,
15            mainPanel = ( plotOutput("AQIPlot") ) |
16        ))
```



A SHINY PROJECT - UI.R





A SHINY PROJECT - UI.R

```
1 library(shiny)
2 inputPath = '/Users/hsinyu/Desktop/RladiesShiny/AQI'
3 Air_data = read.csv(file.path(inputPath, 'data_AQI_new.csv'), stringsAsFactors=FALSE)
4 site = unique(Air_data$SiteName)
5
6 shinyUI(fluidPage(
7
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10  sidebarLayout(
11    sidebarPanel(
12      selectInput("site1", "選擇測站1 :", as.vector(site)),
13      selectInput("site2", "選擇測站2 :", as.vector(site)),
14      width=3),
15      mainPanel = ( plotOutput("AQIPlot") )
16    )
17  )
18 ))
```

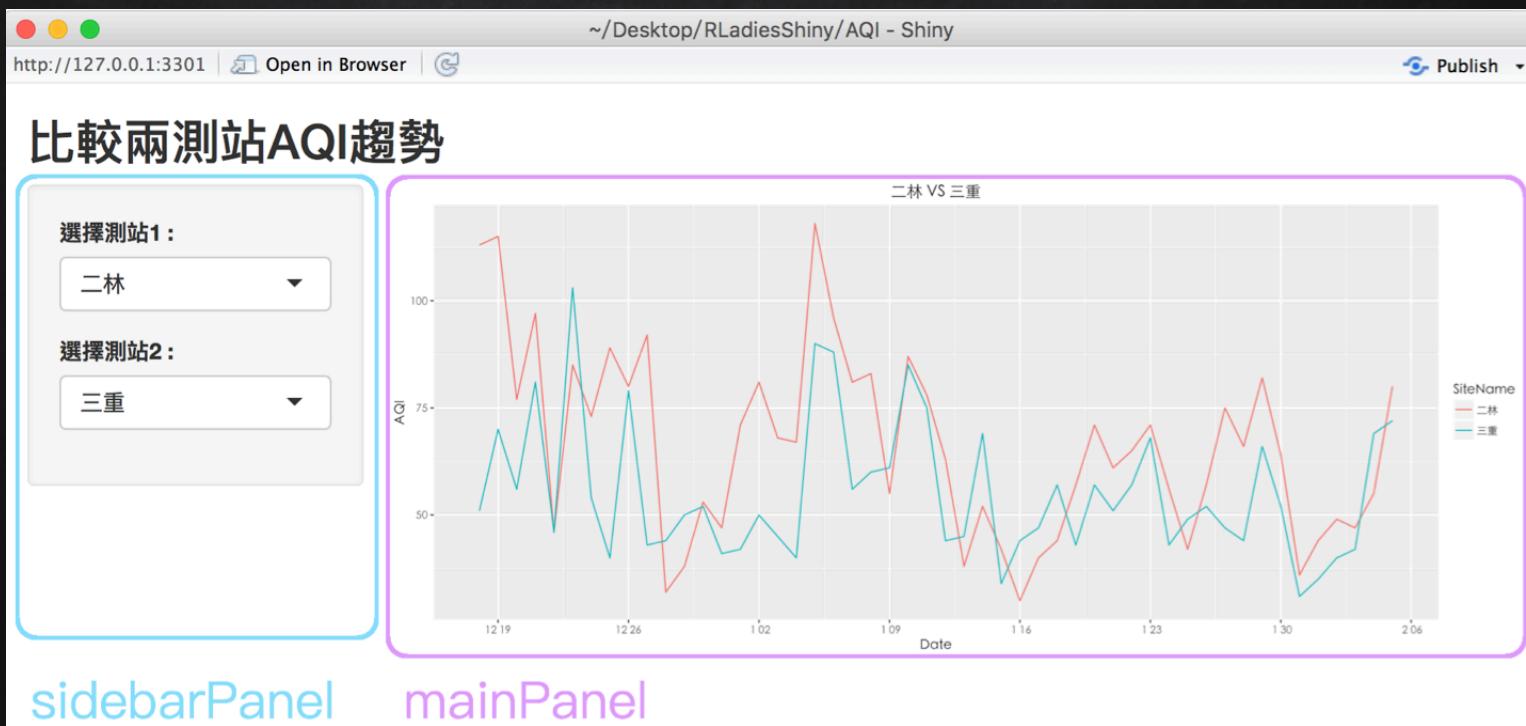


A SHINY PROJECT - UI.R

```
1 library(shiny)
2 inputPath = '/Users/hsinyu/Desktop/RladiesShiny/AQI'
3 Air_data = read.csv(file.path(inputPath, 'data_AQI_new.csv'), stringsAsFactors=FALSE)
4 site = unique(Air_data$SiteName)
5
6 shinyUI(fluidPage(
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9
10  sidebarLayout(
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12      selectInput("site1", "選擇測站1 :", as.vector(site)),
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14      width=3) ,
15      mainPanel = ( plotOutput("AQIPlot") )
16    )
17
18 ))
```



A SHINY PROJECT - UI.R





A SHINY PROJECT - SERVER.R

render* functions

function	expects	creates
renderDataTable	any table-like object	DataTables.js table
renderImage	list of image attributes	HTML image
renderPlot	plot	plot
renderPrint	any printed output	text
renderTable	any table-like object	plain table
renderText	character string	text
renderUI	Shiny tag object or	UI element (HTML)



A SHINY PROJECT - SERVER.R

function	expects	creates
renderDataTable	any table-like object	DataTables.js table
renderImage	list of image attributes	HTML image
renderPlot	plot	plot
renderPrint	any printed output	text
renderTable	any table-like object	plain table
renderText	character string	text
renderUI	Shiny tag object or	UI element (HTML)



A SHINY PROJECT - SERVER.R

```
1 library(shiny)
2 inputPath = '/srv/shiny-server/AQI'
3 Air_data = read.csv(file.path(inputPath, 'data_AQI_new.csv'), stringsAsFactors=FALSE)
4
5 shinyServer(function(input, output) {
6
7   data_plot <- reactive({
8     subset(Air_data, SiteName %in% c(input$site1, input$site2))
9   })
10
11   data_title <- renderText({ paste0(input$site1, ' VS ', input$site2) })
12
13   output$AQIPlot <- renderPlot({
14     ggplot(data_plot(), aes(x = as.Date(MonitorDate), y = AQI , colour = SiteName)) +
15       geom_line() +
16       labs(x = "Date", y = "AQI" , title=data_title() ) +
17       theme(text=element_text(family="STHeitiTC-Light"))
18   })
19
20 })
```

Import AQI Data



A SHINY PROJECT - SERVER.R

```
1 library(shiny)
2 inputPath = '/srv/shiny-server/AQI'
3 Air_data = read.csv(file.path(inputPath, 'data_AQI_new.csv'), stringsAsFactors=FALSE)
4
5 shinyServer(function(input, output) {
6
7   data_plot <- reactive({
8     subset(Air_data, SiteName %in% c(input$site1, input$site2))
9   })
10
11   data_title <- renderText({ paste0(input$site1, ' VS ', input$site2) })
12
13   output$AQIPlot <- renderPlot({
14     ggplot(data_plot(), aes(x = as.Date(MonitorDate), y = AQI , colour = SiteName)) +
15       geom_line() +
16       labs(x = "Date", y = "AQI" , title=data_title() ) +
17       theme(text=element_text(family="STHeitiTC-Light"))
18   })
19
20 })
```

Input



A SHINY PROJECT - SERVER.R

```
1 library(shiny)
2 inputPath = '/srv/shiny-server/AQI'
3 Air_data = read.csv(file.path(inputPath, 'data_AQI_new.csv'), stringsAsFactors=FALSE)
4
5 shinyServer(function(input, output) {
6
7   data_plot <- reactive({
8     subset(Air_data, SiteName %in% c(input$site1, input$site2))
9   })
10
11   data_title <- renderText({ paste0(input$site1, ' VS ', input$site2)})
12
13   output$AQIPlot <- renderPlot({
14     ggplot(data_plot(), aes(x = as.Date(MonitorDate), y = AQI , colour = SiteName)) +
15       geom_line() +
16       labs(x = "Date", y = "AQI" , title=data_title() ) +
17       theme(text=element_text(family="STHeitiTC-Light"))
18   })
19
20 })
```

Output



DEPLOY SHINY

SHINY
SERVER

SHINYAPPS.IO

GITHUB

2.

WHAT IS AZURE



CREATE FREE Account

Microsoft Azure

銷售專線 0800-00-88-33#2#9 ▾

我的帳戶

入口網站

搜尋



為何選擇 Azure ? | 解決方案 | 產品 | 文件 | 價格 | 合作夥伴 | 部落格 | 資源 | 支援

立即建立免費的 Azure 帳戶



取得 NT\$6,300 的免費點數

免費開始使用 NT\$6,300 的點數，並持續使用免費選項。



試用任何 Azure 服務

試用任何 Azure 服務組合 30 天以探索我們的雲端。

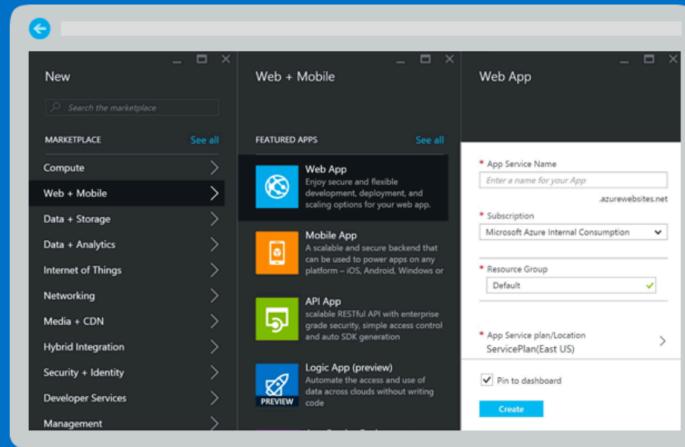


從頭到尾免費體驗

我們會使用您的信用卡資訊進行身分驗證；除非您選擇訂閱，否則絕不會向您收費。

開始免費使用 >

或立即購買 >





CREATE FREE ACCOUNT

Microsoft Azure

免費試用 註冊

sinue625@hotmail.com | 登出

一個月試用期

業完成 \$6,300 Azure 信用額度

無須預付金 - 試用版不會自動升級為付費訂閱

常見問答集 ▶

- 1 關於您 ✓
- 2 依據手機進行身分識別驗證 ✓ ⓘ
- 3 依據卡片進行身分識別驗證 ✓ ⓘ
- 4 合約

我同意[訂用帳戶合約](#)、[優惠詳細資料](#)及[隱私權聲明](#)。

Microsoft 可能會使用我的電子郵件及電話，提供專屬 Microsoft Azure 優惠。

註冊 



我們正在建立您的訂用帳戶。請勿關閉或重新整理
您的瀏覽器。



AZURE

Microsoft Azure

搜尋資源

新增 儀表板 新增儀表板 編輯儀表板 共用 全螢幕 複製 刪除

儀表板

所有資源
所有訂用帳戶

No 資源 to display

開始使用

虛擬機器 在幾分鐘內佈建 Windows 及 Linux 虛擬機器

App Service 建立適用於任何平台與裝置的 Web 與行動裝置應用程式

SQL Database 受管理的關聯式資料庫即服務

儲存體 持久、高可用性及可大規模調整的儲存體

Azure 入口網站 了解如何使用 Azure 入口網站

服務健康狀況 我的資源

新增

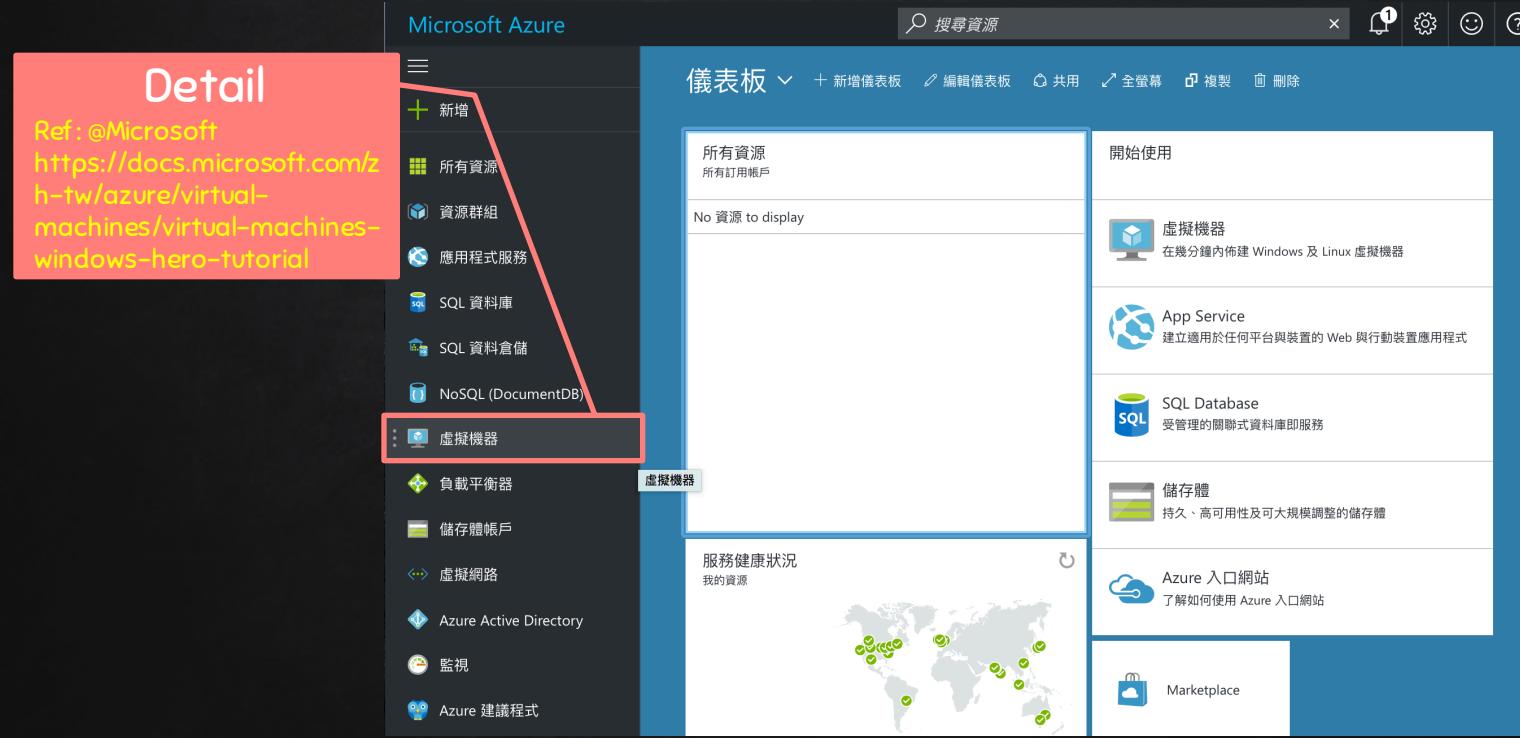
所有資源 資源群組 應用程式服務 SQL 資料庫 SQL 資料倉儲 NoSQL (DocumentDB) 虛擬機器 負載平衡器 儲存體帳戶 虛擬網路 Azure Active Directory



AZURE (LINUX VM)

Detail

Ref : @Microsoft
<https://docs.microsoft.com/zh-tw/azure/virtual-machines/virtual-machines-windows-hero-tutorial>



The screenshot shows the Microsoft Azure portal interface. On the left, there's a navigation sidebar with various service icons and a 'Virtual Machines' icon highlighted with a red box. The main content area is titled 'Instrumentation' and displays a 'Resource Center' section with a message 'No resources to display'. To the right, there are several promotional cards: 'Virtual Machine' (Windows & Linux), 'App Service' (Web and mobile app hosting), 'SQL Database' (managed relational database), 'Storage' (scalable storage), 'Azure入口網站' (Azure portal), and 'Marketplace'.



AZURE (LINUX VM)

Microsoft Azure 虛擬機器

虛擬機器
預設目錄

+ 新增 資料行 重新整理

訂用帳戶: Free Trial

依名稱篩選...

0 個項目

名稱	狀態	資源群組	位置	訂用帳戶
No 虛擬機器 to display				

The screenshot shows the Microsoft Azure portal interface for managing virtual machines. The main title is 'AZURE (LINUX VM)'. On the left, there's a sidebar with various service icons. The central area is titled '虛擬機器' (Virtual Machines) with a sub-section '預設目錄'. A red box highlights the '+ 新增' (Add New) button. Below this, it says '訂用帳戶: Free Trial'. There's a search bar labeled '依名稱篩選...' (Filter by name). It then displays '0 個項目' (0 items) and a table with columns for Name, Status, Resource Group, Location, and Subscription. The table shows a single entry: 'No 虛擬機器 to display'.



AZURE (LINUX VM)

Microsoft Azure 虛擬機器 > 計算

虛擬機器 預設目錄 + 新增 資料行 重新整理

訂用帳戶: Free Trial
依名稱篩選...
0 個項目
名稱
No 虛擬機器 to display

計算 篩選 搜尋 計算

MongoDB with Replication
Bitnami
Scale above two VMs using this Solution Template. MongoDB with Replication gives you the ability to allow individual vertical scaling of nodes, break out configuration into two nodes for replication & backups, and more with just a single click.

建立

Choose : Ubuntu

建議

- Windows Server
- Red Hat Enterprise Linux
- Ubuntu Server Canonical
- SQL Server 2016 SP1 Enterprise on Microsoft
- Virtual machine scale set Microsoft
- Azure Container Service Microsoft

更多



AZURE (LINUX VM)

 搜尋資源 x   

 部署已開始...

 尚餘點數 6300 點 Sun Feb 05 20

訂用帳戶 'Free Trial' 尚餘點數 6300 點



AZURE (LINUX VM)

Microsoft Azure

搜尋資源



sinue625@hotmail.com



新增

所有資源

資源群組

應用程式服務

SQL 資料庫

SQL 資料倉儲

NoSQL (DocumentDB)

虛擬機器

負載平衡器

儲存體帳戶

儀表板

新增儀表板

編輯儀表板

共用

全螢幕

複製

刪除

所有資源

所有訂用帳戶

Shiny-ip

公用 IP 位址

Shiny-nsg

網路安全性群組

ShinySet-vnet

虛擬網路

shiny324

網路介面

Shiny

虛擬機器

shinysetdiag281

儲存體帳戶

shinysetdisks443

儲存體帳戶

My VM Name: Shiny



虛擬機器

在幾分鐘內佈建 Windows 及 Linux 虛擬機器



App Service

建立適用於任何平台與裝置的 Web 與行動裝置應用程式



SQL Database

受管理的關聯式資料庫即服務



儲存體

持久、高可用性及可大規模調整的儲存體

Shiny

正在執行





AZURE (LINUX VM)

Shiny
虛擬機器

連接 啟動 重新啟動 停止 刪除

搜尋 (Ctrl+ /)

概觀 活動記錄 存取控制 (IAM) 標記 診斷並解決問題 設定 可用性設定組

程式集 ^

資源群組 (change)	電腦名稱
ShinySet	Shiny
狀態	作業系統
正在執行	Linux
位置	大小
日本西部	標準 DS1 v2 (1 核心, 3.5 GB 記憶體)
訂用帳戶名稱 (change)	公用 IP 位址/DNS 名稱標籤
Free Trial	IP
訂用帳戶 ID	虛擬網路/子網路
a54eee21-a5b6-4de7-acd4-88d0cb01cadc	ShinySet-vnet/default

CPU 百分比

編輯



SHINY VM

```
[kristen@Shiny:~$ lsb_release -a
No LSB modules are available.
Distributor ID: Ubuntu
Description:    Ubuntu 16.04.1 LTS
Release:        16.04
Codename:       xenial
kristen@Shiny:~$ ]
```



WHAT YOU NEED TO DO NOW

✓ Installing R

```
hsinyu — kristen@Shiny: ~ — ssh kristen@52.175.156.99
[kristen@Shiny:~$ R

R version 3.3.2 (2016-10-31) -- "Sincere Pumpkin Patch"
Copyright (C) 2016 The R Foundation for Statistical Computing
Platform: x86_64-pc-linux-gnu (64-bit)

R is free software and comes with ABSOLUTELY NO WARRANTY.
You are welcome to redistribute it under certain conditions.
Type 'license()' or 'licence()' for distribution details.

Natural language support but running in an English locale

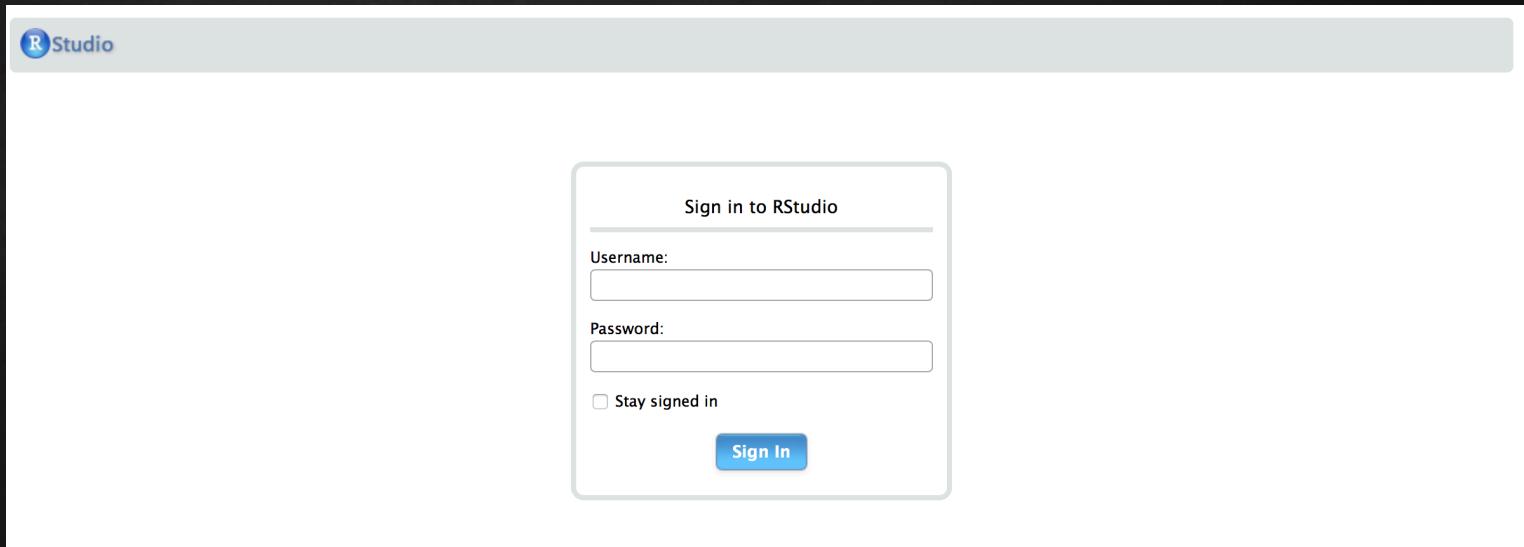
R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.
```



WHAT YOU NEED TO DO NOW

- ✓ Installing RStudio



Ref: <https://www.rstudio.com/products/rstudio/download-server/>



WHAT YOU NEED TO DO NOW

- ✓ Installing 中文字型

<ggplot show chinese character ERROR>

→ install Chinese fonts in your server, then reboot

Ubuntu:

```
sudo apt-get install fonts-wqy-zenhei
```

```
sudo apt-get install fonts-aphic-bkai00mp fonts-aphic-bsmi00lp fonts-aphic-gbsn00lp fonts-aphic-gkai00mp fonts-aphic-ukai fonts-aphic-uming fonts-cns11643-kai fonts-cns11643-sung fonts-cwtx-fs fonts-cwtx-heib fonts-cwtx-kai fonts-cwtx-ming fonts-cwtx-yen
```



WHAT YOU NEED TO DO NOW

- ✓ Open port 8787

Microsoft Azure

搜尋資源

新增 儀表板 新增儀表板 編輯儀表板 共用 全螢幕 複製 刪除 sinue625@hotmail.com

所有資源 所有訂用帳戶

Shiny-ip 公用 IP 位址
Shiny-nsg 網路安全性群組 (highlighted)

ShinySet-vnet 虛擬網路
shiny324 網路介面
Shiny 虛擬機器
shinysetdiag281 儲存體帳戶
shinysetdisks443 儲存體帳戶

開始使用

Shiny

虛擬機器 在幾分鐘內佈建 Windows 及 Linux 虛擬機器

App Service 建立適用於任何平台與裝置的 Web 與行動裝置應用程式

正在執行

SQL Database 受管理的關聯式資料庫即服務

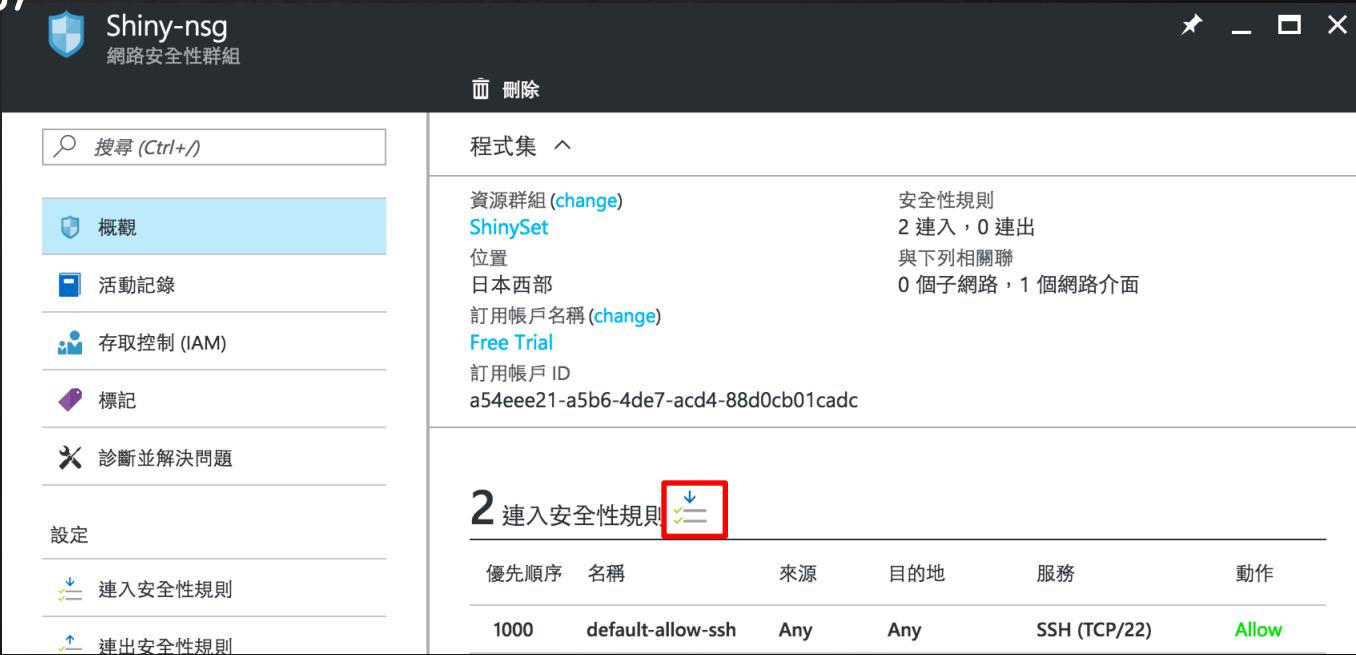
儲存體 持久、高可用性及可大規模調整的儲存體





WHAT YOU NEED TO DO NOW

- ✓ Open port 8787



The screenshot shows the AWS Network Firewall console for the security group "Shiny-nsg".

Overview: The "Overview" tab is selected, showing the security group name "Shiny-nsg" and its location "Japan West". It lists one rule: "Free Trial" (ID: a54eee21-a5b6-4de7-acd4-88d0cb01cadc) which allows traffic from "Any" to "Any" port "SSH (TCP/22)".

Security Rules: The "Inbound security rules" section is expanded, showing two rules:

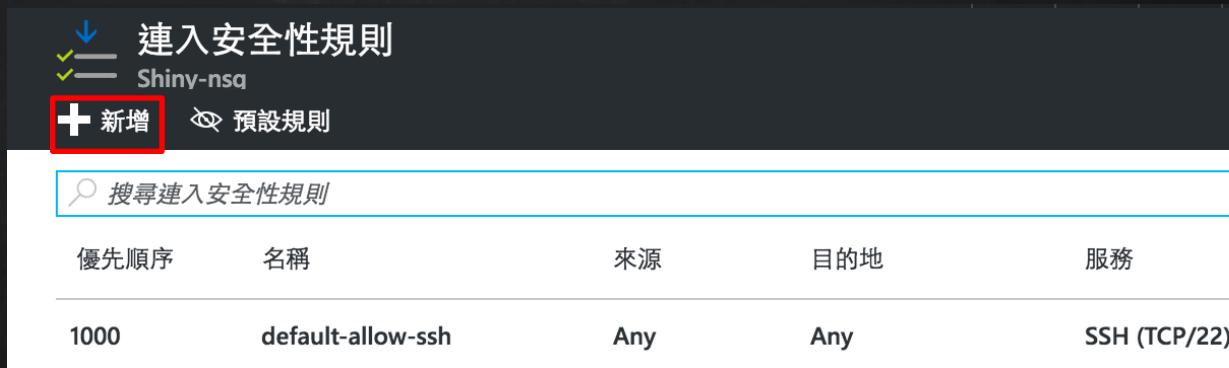
Priority	Name	Source	Destination	Protocol	Action
1000	default-allow-ssh	Any	Any	SSH (TCP/22)	Allow

A red box highlights the "Edit" icon next to the second rule.



WHAT YOU NEED TO DO NOW

- ✓ Open port 8787



連入安全性規則

+ 新增 預設規則

搜尋連入安全性規則

優先順序	名稱	來源	目的地	服務
1000	default-allow-ssh	Any	Any	SSH (TCP/22)



WHAT YOU NEED TO DO NOW

- ✓ Open port 8787

新增連入安全性規則
Shiny-nsa
 進階

* 名稱

* 優先順序 ⓘ

* 來源 ⓘ
 Any CIDR block Tag

服務 ⓘ

* 通訊協定
 Any TCP UDP

* 連接埠範圍 ⓘ

* 動作
 拒絕 允許





RSTUDIO SERVER

Http:// Your IP :8787/

The screenshot shows the RStudio Server interface. At the top, there's a navigation bar with tabs for Environment and History. Below the navigation bar is a toolbar with various icons for file operations like New Folder, Upload, Delete, Rename, and More. The main area is divided into several panes:

- Environment:** Shows the Global Environment with a message: "Environment is empty".
- Files:** A file browser pane showing the directory structure:

Name	Size	Modified
AQI		
R		
rstudio-server-1.0.136-amd64...	55.4 MB	Dec 22, 2016, 7:53 AM
shiny-server-1.5.1.834-amd64...	67.3 MB	Nov 5, 2016, 12:54 AM
- Console:** A text input field starting with '>'.
- Source:** An R Script editor pane containing the number '1'.



WHAT YOU NEED TO DO NOW

✓ Installing ShinyServer

Welcome to Shiny Server!

If you're seeing this page, that means Shiny Server is installed and running. **Congratulations!**

What's Next?

Now you're ready to setup Shiny — if you haven't already — and start deploying your Shiny applications.

If you see a Shiny application running on the right side of this page, then Shiny is configured properly on your server and already running an example. Bravo! You can see this application on your server at </sample-apps/hello>.

If you see a gray box or an error message, then there's a bit more work to do to get Shiny running fully. You can continue with the [installation instructions](#) or use the [Admin Guide](#) for more information. If you're seeing an error message in the panel to the right, you can use it to help diagnose what may be wrong. If you think Shiny is installed and setup properly and things still aren't working, you can look in the Shiny Server log which may have more information about what's wrong. By default, the log is stored in `/var/log/shiny-server.log`.

If you're really stuck and you've read the relevant sections in

It's Alive!

Number of bins: 50

1 6 11 16 21 26 31 36 41 46 50

Histogram of x

Frequency

x

When Shiny is properly configured on your server,



WHAT YOU NEED TO DO NOW

- ✓ Open port 3838

新增連入安全性規則
Shiny-nsa
 進階

* 名稱

* 優先順序 ⓘ

* 來源 ⓘ
 Any CIDR block Tag

服務 ⓘ

* 通訊協定
 Any TCP UDP

* 連接埠範圍 ⓘ
 3838

* 動作
 拒絕 允許



TESTING SHINY APPS



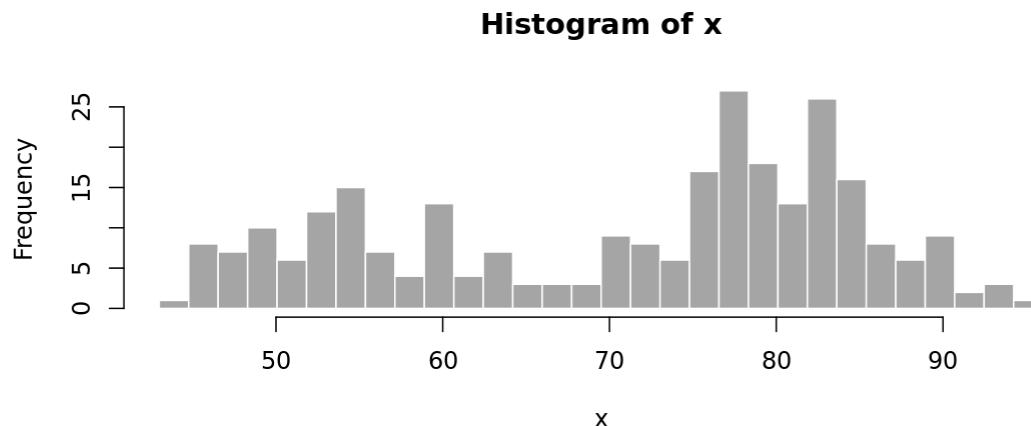
It's Alive!

Number of bins:

1 30 50



1 6 11 16 21 26 31 36 41 46 50





YOUR SHINY APPS

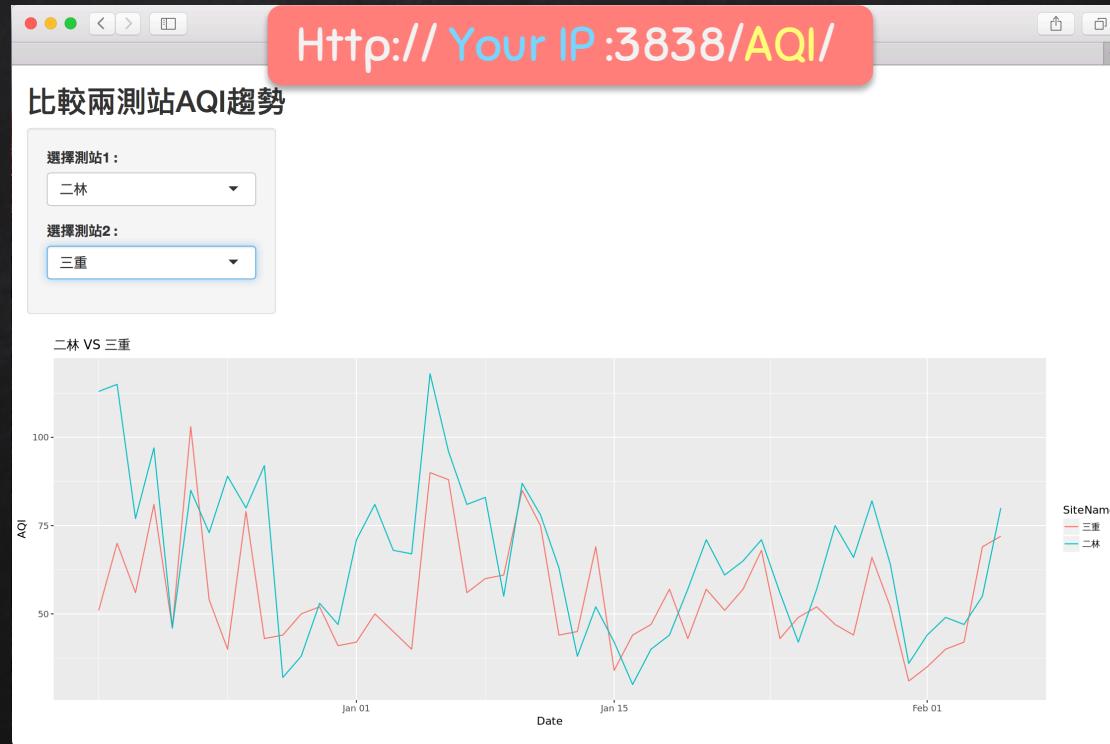
```
hsinyu — kristen@Shiny: /srv/shiny-server/AQI — ssh
[kristen@Shiny:~$ cd /srv/shiny-server/AQI] AQI
[kristen@Shiny:/srv/shiny-server/AQI$ ls] ]
data_AQI_new.csv  server.R  ui.R
kristen@Shiny:/srv/shiny-server/AQI$ ]
```

Folder Name

MOVE



YOUR SHINY APPS





THANKS!

Any questions?