

雲端

Cloud Computing Center  
for Mobile Applications

# ITRI Cloud Computing

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# Seeding Clouds in Taiwan

## 經濟部雲端運算產業推動方案成果發表會



NT\$24 billion (US\$750 million) committed so far to develop the Cloud Computing industry in Taiwan



# Cloud Computing Association in Taiwan (CCAT)



- Launched on April 7, 2010 in Taipei
- Initiated by Industrial Technology Research Institute and major ICT associations
- Counts 100+ enterprises with Taiwan presence as members

# 100+ Members and Growing





# Part of a Global Cloud Infrastructure



招募訊息 >

招募訊息

公司地址

## Data Center Project Manager - Asia Pacific +1 308

**This position is based in the Asia Pacific region.**

The area: Engineering

Simply put, Google engineers make computers do amazing things. Populated by extraordinarily creative, motivated and talented people, our Engineering team gets excited by developing new applications that really make a difference and are used by millions of people. We're driven by Google's mission to organize the world's information and make it universally accessible and useful. If you seek to tackle such challenges as building a highly scalable computing infrastructure, novel storage systems, innovative user experiences or the next big application that will change the world, then this might be a perfect fit for you.

The role: Data Center Project Manager

As a highly motivated Project Manager you will have demonstrated experience in the area of complex, multi-disciplinary, and geographically dispersed datacenter design, development and construction projects.

# Industrial Technology Research Institute (ITRI)



## Total Staffs: 5,771

Ph.D. : 1,394

Master : 3,118

Bachelor : 1,269

(Alumni : 22,601)

## Total Patents

19,709

## Startups & Spinoffs

225

## Industry Services

Provided Services : 14,228

Transferred Technologies : 620



# A Growing ITRI Family Tree



# Cloud Computing and Mobile Application (CCMA)



## Focus Centers

- ▶ Display Technology Center
- ▶ Service System Technology Center
- ▶ Cloud Computing Center for Mobile Application

## Core Laboratories

- ▶ Electronics and Optoelectronics Research Laboratories
- ▶ Information and Communications Research Laboratories
- ▶ Mechanical and Systems Research Laboratories
- ▶ Material and Chemical Research Laboratories
- ▶ Green Energy & Environment Research Labs
- ▶ Biomedical Technology and Device Research Labs

## Linkage Centers

- ▶ Creativity Lab
- ▶ NanoTechnology Research Center
- ▶ Industrial Economics & Knowledge Center
- ▶ Center for Measurement Standards



# ITRI Cloud Computing Center - An Active Member of the Global Open Source Community

- Open Stack
  - ITRI is a founding member
  - Cloud OS is OpenStack Compatible
- Open Compute Project
  - ITRI is a leading member in Asia
  - Operating a Certification lab
- Open Flow + Open DayLight
  - Active participation
  - Developing PCIe-based and Ethernet-based SDN
- Linaro
  - Active participation
  - Working on V8 hypervisor



# What is Cooking at Cloud Center

- Cloud OS
  - Low-powered Cloud
  - (Private) Cloud Appliance
- Component Technology
  - Storage: SSD/Flash Array for high IOPS
  - Storage: Distributed Storage
  - Networking: Ethernet and PCIe-based SDN



# Thank You

## Q&A

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