Cisco Systems
Japan Development Center

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日本DC

Overview

- **Background**

  ➢ **Worldwide Development at Cisco**

  ➢ **Why have a Japan Development Center?**

- **JDC Status**

- **JDC Activities**

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Cisco and Worldwide Development

- **Major centers in seven countries – now eight**
- **Of 12,000 engineers, 5,000 are remote from San Jose (corporate HQ)**
- **2,500 outside US**

London/
Edinburgh

Ottawa

Milan

San Jose

Boston

Tel Aviv

Austin, TX

Raleigh, NC

Bangalore **Tokyo**

Sydney

Success Factors for Worldwide Development

- **Global development infrastructure**

  - ➢ **Single worldwide source code database**

  - ➢ **Tools for collaborative development**

- **Good nucleus of experienced people at startup to transfer both technical and cultural knowledge**

- **Strong support from local and corporate management**

- **Clear responsibilities and charter**

What is special about Japan?

- **Japan is a world-leader in...**

  - ➤ **True broadband access (26 Mbit/sec universal)**

  - ➤ **Mobile communications (3G and beyond)**

- **Several years ahead of US**

- **High acceptance of new technology**

- **Unique situation with IPv6 adoption**

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Implications for Japanese Service Providers

- **Opportunities for new applications**
  - ➢ **Video on demand**
  - ➢ **Mobile go-anywhere video**
  - ➢ **Other video applications**
  - ➢ **Gaming**

- **Impact on network design**
  - ➢ **Need to control access to prevent backbone overload (Session Border Control, QoS, Admission Control...)**
  - ➢ **Multicast is a requirement – make best use of backbone bandwidth**
  - ➢ **IPv6 - especially for mobile devices**

Japan Development Center: why?

- **Address unique Japanese situation**

- **Closer technical relationship with key Japanese customers**

- **Build on Japanese leadership for worldwide deployment**

JDC Status

- **Official opening February 2005**

- **Location: Cisco Shinjuku office**

- **Software engineering, for IOS and IOS-XR**

- **Initially 10 engineers, mixture of:**
  - ➢ **Engineers already working in Japan**
  - ➢ **Small number of international transfers**
  - ➢ **But mainly new local hiring**

- **Expect to be fully staffed Q2 2005**

JDC Status: Structure within Cisco

- **Part of Central Development Organization (CDO)**

- **Reports at VP level within IOS Technologies Division**

- **Experienced Cisco manager/leader relocated to Japan to start site and providelocal management**

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JDC Activities

- **Software engineering**

- **Developments for IOS and IOS-XR for worldwide markets (not *specific* to Japan)...**

- **...aligned with Japanese requirements**

- **Initial plans:**

  - **Intelligent Edge (Session Border Control, Access Control)**

  - **IPv6**

  - **IP Mobility**