Cisco Systems
Japan Development Center

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Overview

• Background
  ➢ Worldwide Development at Cisco
  ➢ Why have a Japan Development Center?

• JDC Status

• JDC Activities
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
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
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 provide local management
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