

# Activities of LPI-Japan for Human Resource Development on Linux/OSS

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# About LPI and LPI-Japan

## ■ About LPI

- Non-profit organization established on October 25, 1999
- Operational offices in Tronto, Canada and Sacramento, USA
- Delivering industry standard certifications on Linux/OSS worldwide

## ■ Our Mission and Vision

- To provide a global framework, industry leadership and services to enhance, develop and further lifelong professional careers in Linux and Open Source technologies.
- To become recognized as the #1 organization that provides global leadership, direction and skill standards for those who pursue a career in Linux and Open Source technology.

## ■ About LPI-Japan

- Non-profit organization established in 2000
- Delivering LPI's certifications (LPIC) in Japan
- Many activities to achieve our mission in Japan



# Agenda

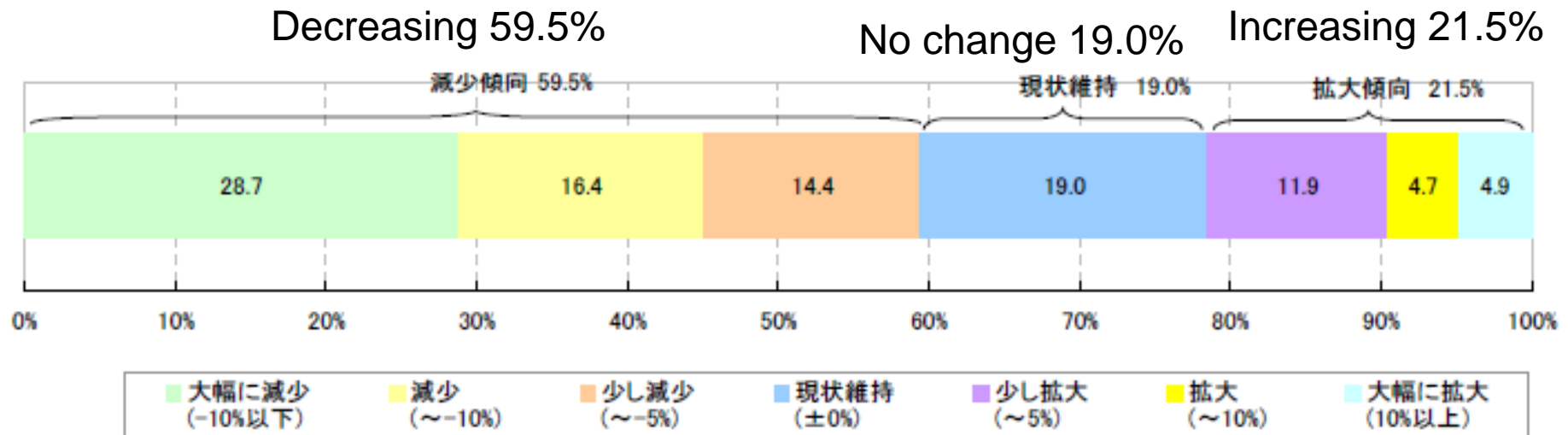
- Statistics for Linux/OSS engineers in Japan
- LPI-Japan's activities to spread Linux/OSS and contribute to human resource development
- How engineer certification helps human resource development



# IT Business Trend in Japan (1)

## ■ All IT Business in Japan

- About 60% of Japanese companies say overall IT business volume is decreasing



by IPA Japan, 2010

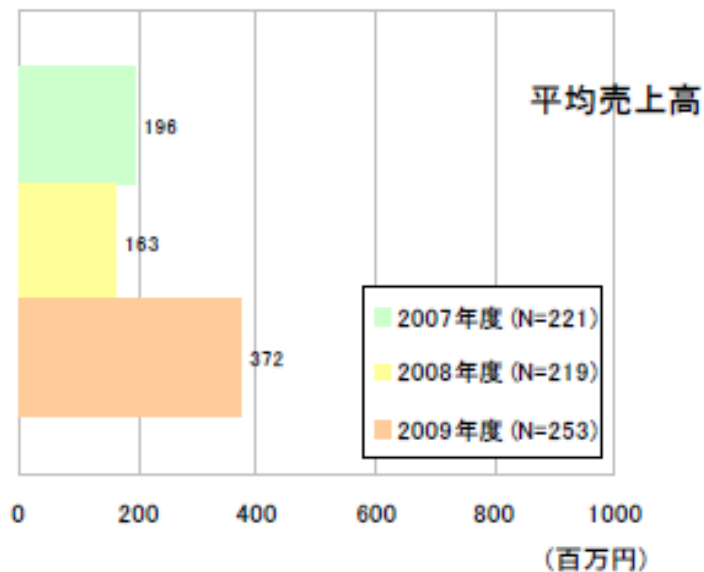


## IT Business Trend in Japan (2)

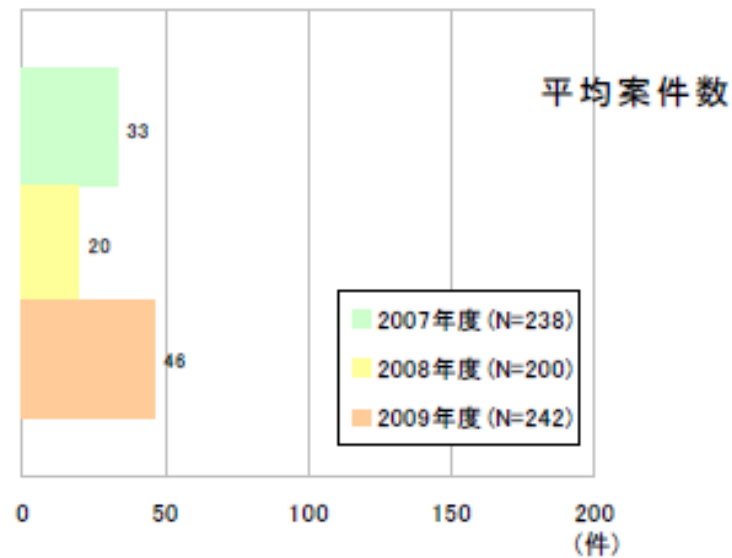
### ■ OSS-related business

- Although overall IT business is decreasing...
- Number of OSS-related projects is increasing
- Each OSS-related project is getting bigger

Average Sales / Project



Average Number of Projects

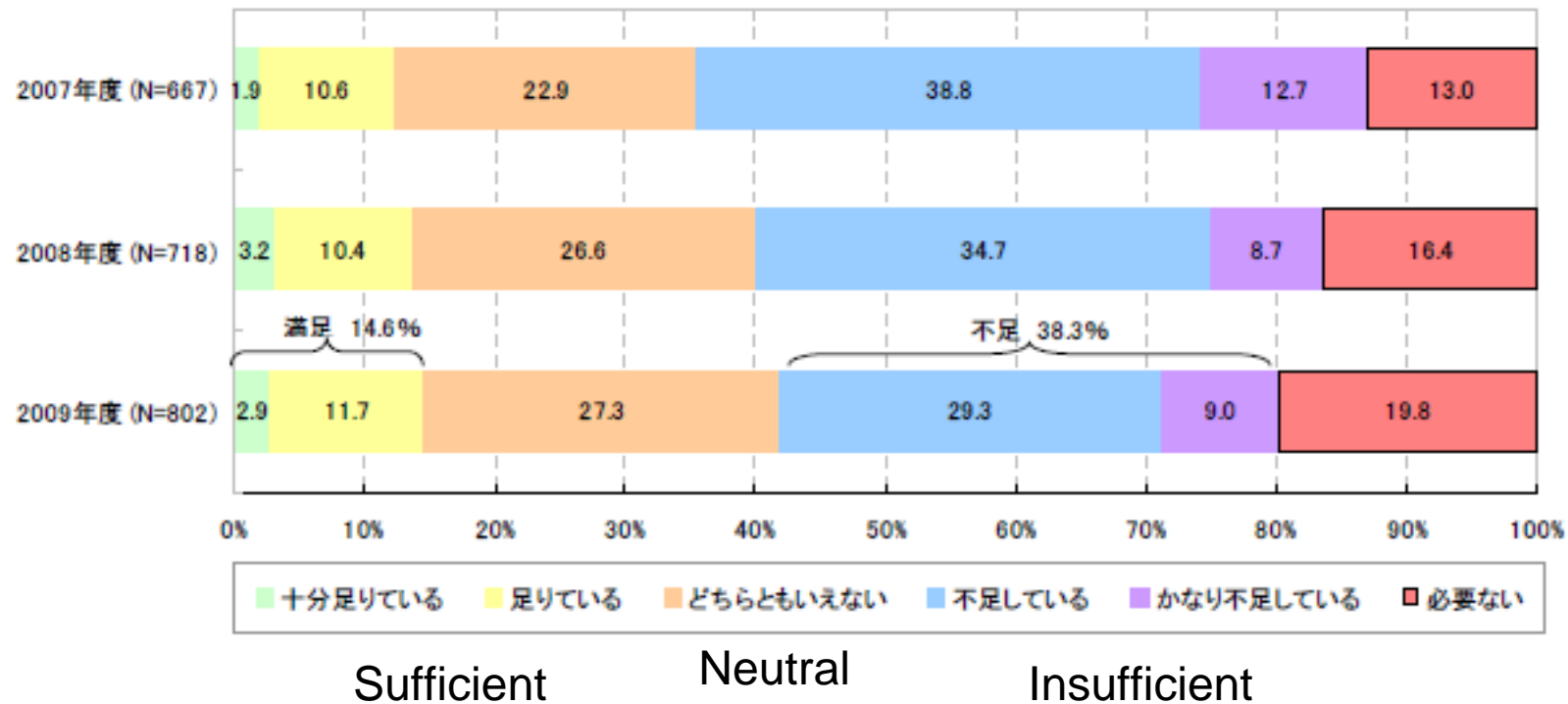




# Do we have enough OSS engineers? (1)

## ■ Sufficiency and insufficiency of OSS engineers – Trend

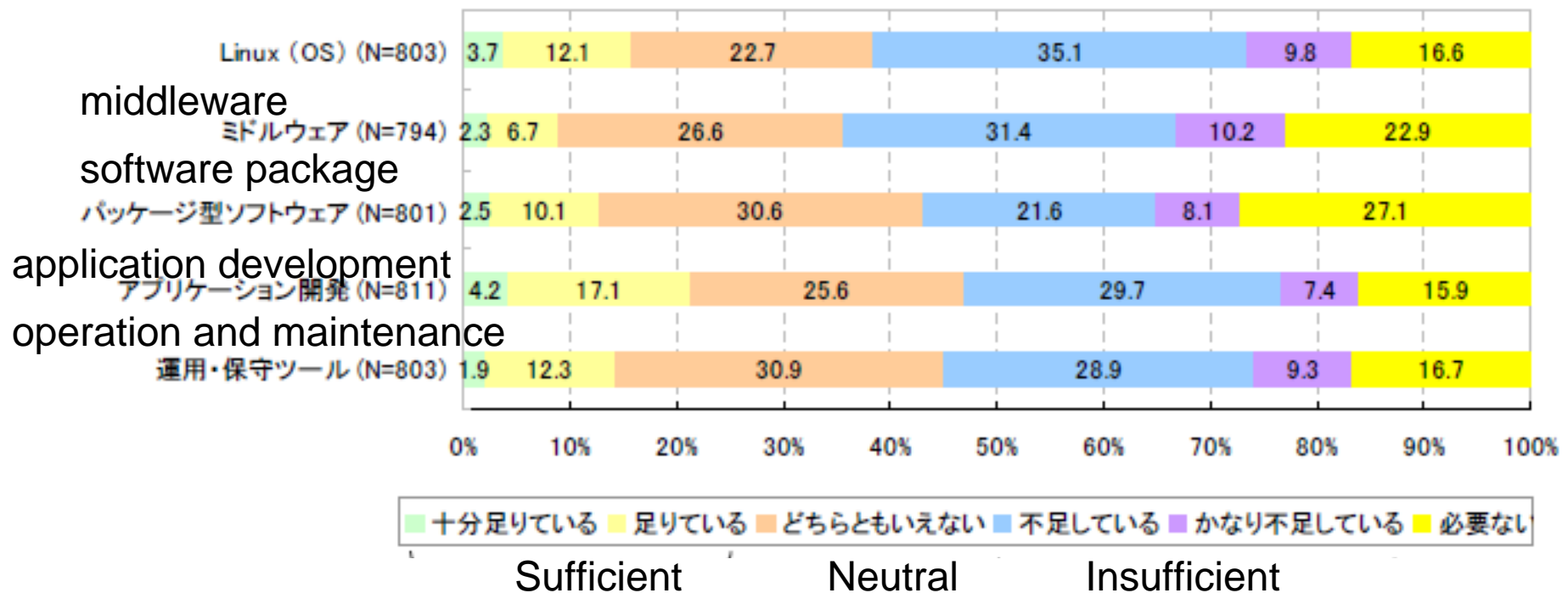
- Number of OSS engineer is increasing
- Still about 40% of companies have insufficient number of OSS engineers





## Do we have enough OSS engineers? (2)

- Sufficiency and insufficiency of OSS engineers – each software
  - About 45% of companies have insufficient number of Linux engineers
  - About 40% of companies have insufficient number of middleware engineers

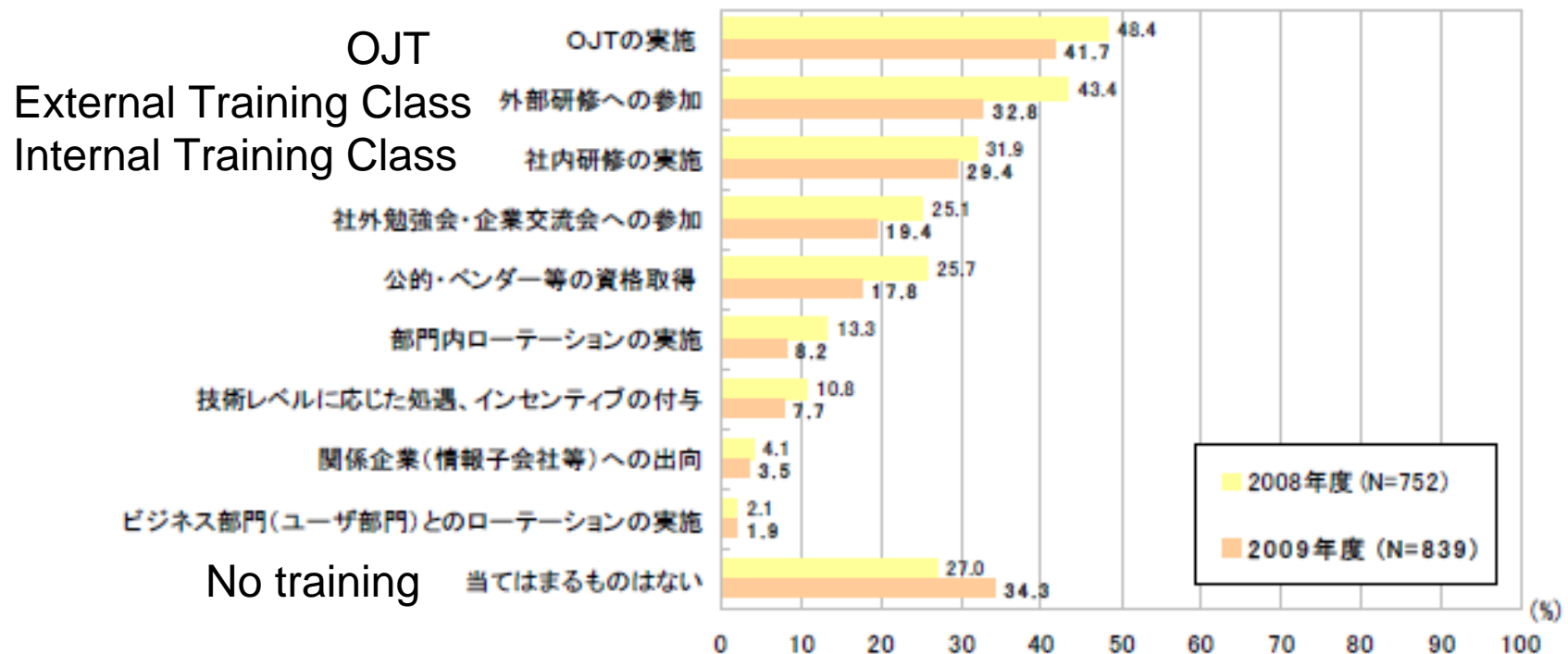




# How companies train engineers

## ■ Training methods

- Many companies rely on OJT, external training classes and internal training classes, but all of those rates are decreasing
- About 30% of companies have no way of training and the rate is increasing

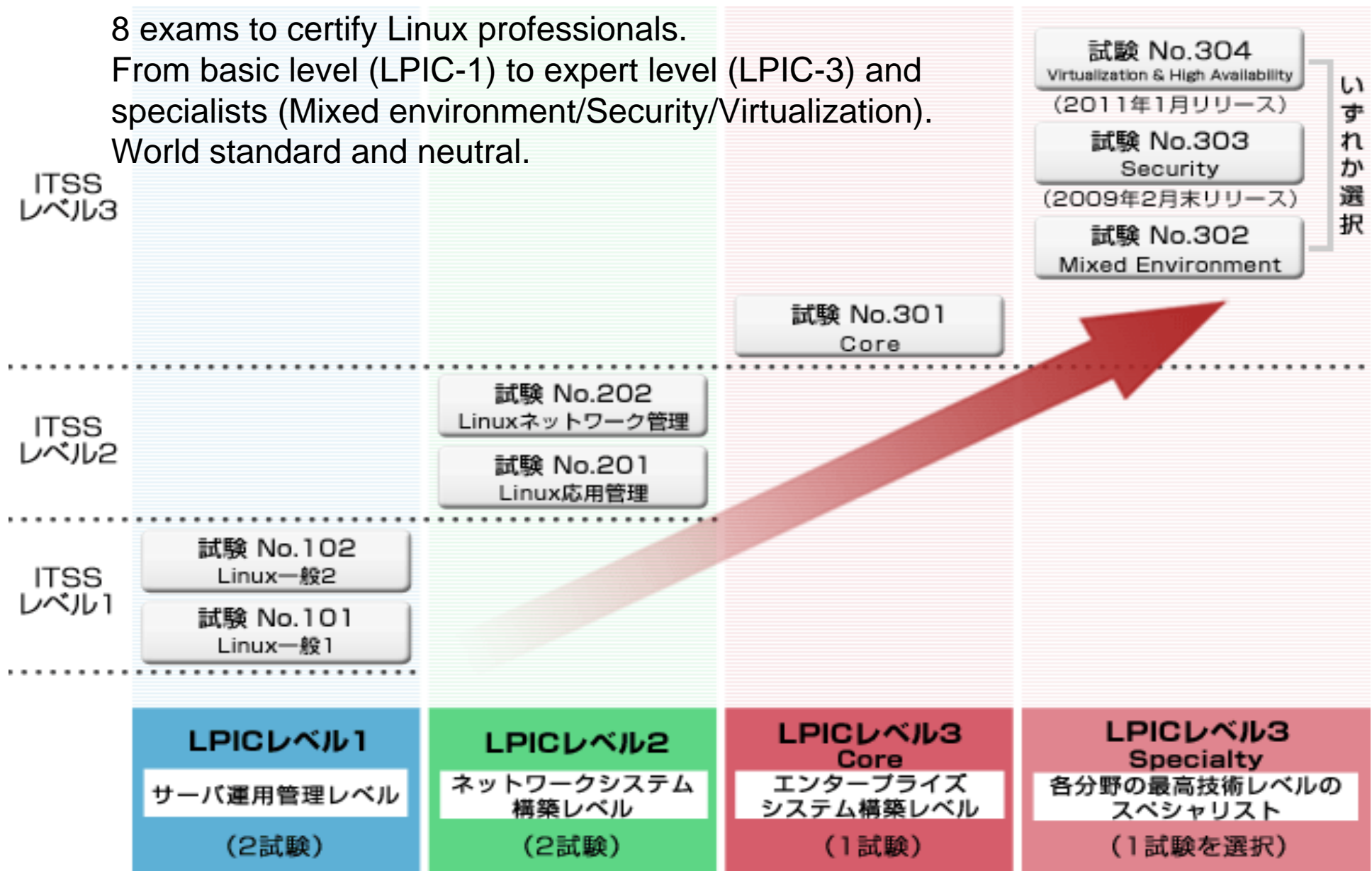






# LPI-Japan's Activities – LPIC Exam/Certification

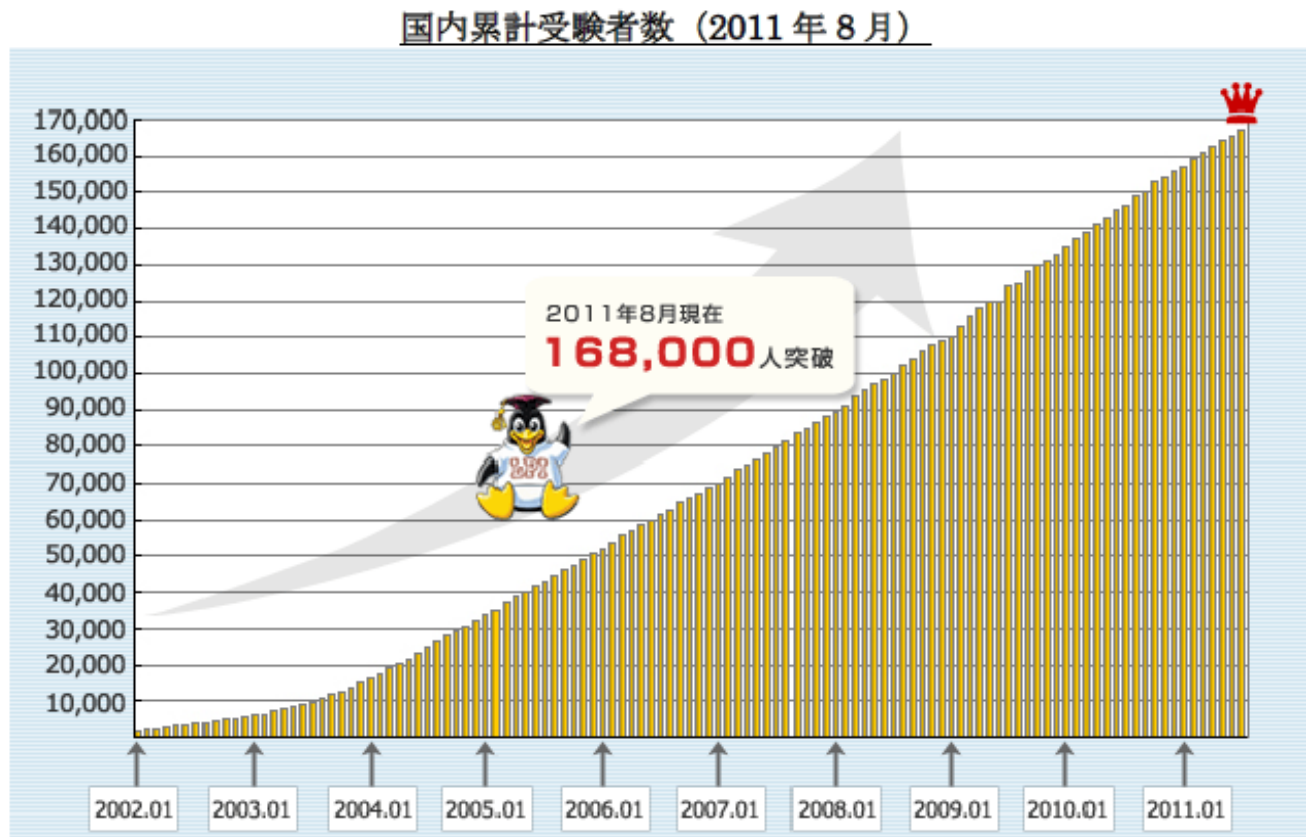
8 exams to certify Linux professionals.  
From basic level (LPIC-1) to expert level (LPIC-3) and  
specialists (Mixed environment/Security/Virtualization).  
World standard and neutral.





# LPI-Japan's Activities – Exams taken

- Growth in number of LPIC exam takers in Japan
  - About 170,000 as of September 2011

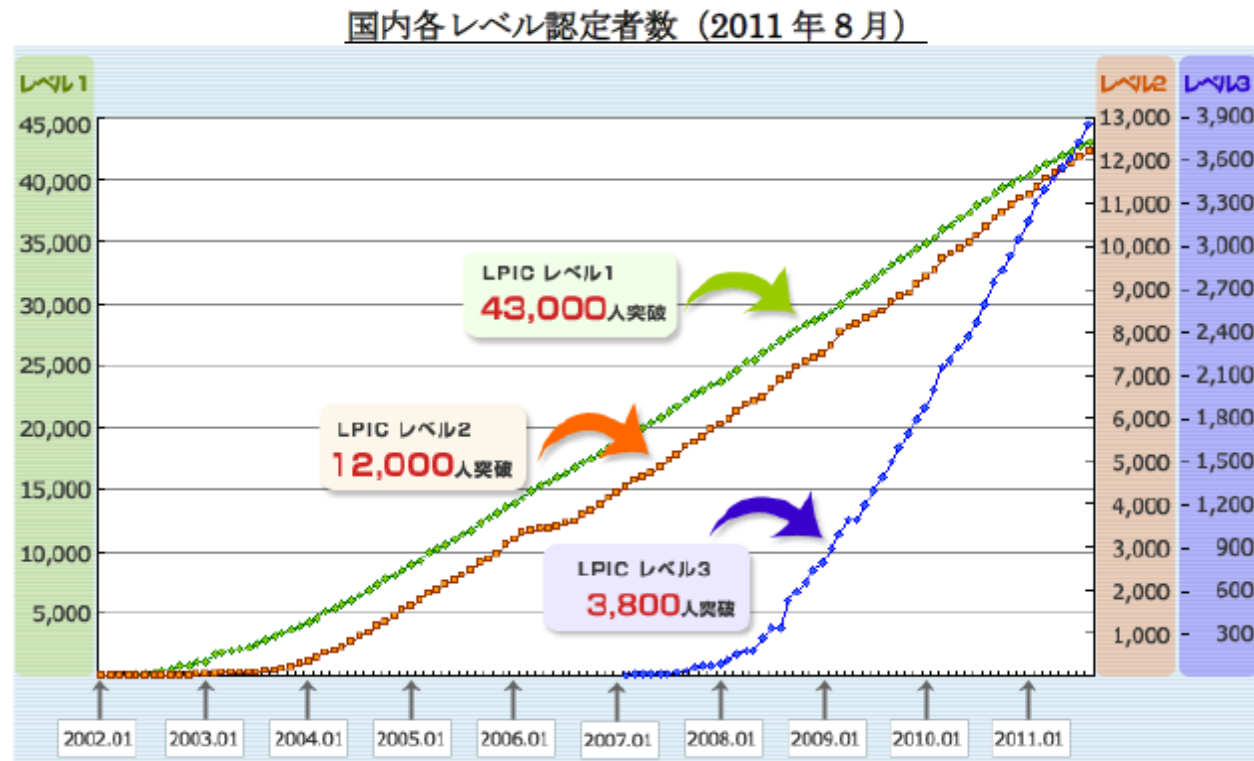




# LPI-Japan's Activities – Certification

## ■ Growth in number of LPIC certified engineers in Japan

- 43,000+ LPIC-1 engineers
- 12,000+ LPIC-2 engineers
- 3,800+ LPIC-3 engineers





# LPI-Japan's Activities – New Exam/Certification

- OSS-DB Exams/Certifications (PostgreSQL database)
  - Just started in July 2011
  - Silver : Basic level database professionals
  - Gold : Advanced level database professionals
  
- OSS database is used everywhere, especially in Web applications, and OSS-DB certification will be as important as LPIC in a few years



# LPI-Japan's Activities – Free Seminars

## ■ Free Seminars

- 2 to 4 times a month
- 50 to 100 participants
- 3-hour lectures on Linux/OSS/LPIC
- 30-40% of participants take LPIC exams after attending the seminar





# LPI-Japan Activities – Charged Seminars

## ■ Charged Seminars

- 4 to 6 times a year
- 100 to 200 participants
- 4-hour lectures on advanced and latest topics about Linux/OSS technologies
- Fee is about JPY 10,000, but discounts available for LPIC certified engineers and free invitation to LPI-30x specialists
  - Incentive to get LPIC certification





# LPI-Japan's Activities – Free Textbooks

## ■ Linux Standard Textbook

- Released in April 2008, and 180,000+ downloads
- For Linux beginners
- PDF file and iPad application

## ■ Linux Server Setup Textbook

- Released in in June 2009, and 100,000+ downloads
- For Linux server administrators
- PDF file and iPad application

## ■ High-availability System and Virtualization Textbook

- Released in February 2011, and 9,000+ downloads
- For advanced Linux server administrators
- PDF file and iPad application

## ■ OSS-DB Textbook

- Released in October 2011
- For database beginners
- PDF and EPUB files





# LPI-Japan's Activities – With community

## ■ Mailing list of Linux engineers

- Write, review and update textbooks
- Q&A for textbook readers

## ■ Instructors community

- Organized by LPI-Japan, and only LPIC certified engineers can join
- LPI-Japan hold seminars for instructors once or twice a year to improve their skills
- Many organizations are looking for Linux instructors
- Provide opportunities to LPIC certified engineers





# LPI-Japan's Activities – Training engineers

## ■ Approved Training Materials

- LPI-Japan assures quality of book or courseware
- Must cover all topics of one or more LPIC exams and have accurate description
- Good both for engineers, who are looking for good books, and for publishers who want to sell more books

## ■ Approved Training Partners

- LPI-Japan assures quality of training/education performed in a training/educational organization
- Must use LPI Approved Training Materials, have certain number of LPIC certified engineers as trainers and have a good environment for training/education
- Good both for the organization, who wants to accommodate more students, and for engineers/students, who are looking for a good school to study



# How certification helps HRD

- LPIC is established as industry standard certifications
  - Many public entities list LPIC as one of a qualification as a bidder
  - Many companies have to develop or hire LPIC engineers
  - Many companies reimburse employees for LPIC exam fees
- Value of certified engineers
  - Job hunting
    - Certifications prove skills of engineers
    - Employers would prefer LPIC certified engineers to non-certified
  - Salary and/or bonus
    - Many companies raise salary, or pay bonus, for LPIC certification
    - Engineers are encouraged to study and get LPIC
- If industry standard certification is established and companies respect it, engineers are motivated and study it



## Our Future

- LPI-Japan will continue contributing human resource development and business promotion on OSS/Linux in Japan by operating certifications for IT professionals LPIC and OSS-DB

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Thank you!

ありがとうございました  
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CERTIFICATION FROM THE GLOBAL STANDARD

**LPI-JAPAN**

Linux Professional Institute Japan



Linux  
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**Open the Future**

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