

Chunyun represents the **LARGEST MIGRATION** of humans on the planet

3.6

BILLION
Expected
passenger trips
in 2014

200 million
increase

8% increase

258

MILLION
Expected
trips by train
in 2014

Chunyun, "Spring Festival Transport", begins Jan. 16 and lasts until Feb. 24th. The most important night is Jan. 31, when travelers gather with their families to celebrate the Chinese New Year.

China's railway is the **LARGEST NATIONALIZED RAILWAY** in the world.



China: 98,000 km in 2012, increased by 5,500 km in 2013. Russia: 87,157 km 2011. India: 65,000 km 2012.

www.12306.cn

hosts CRC's online ticketing system.



Train tickets go on sale 25 days before travel online and over the telephone.



Train stations and ticket agents begin selling tickets 23 days ahead.

2012 Spring Festival Travel Peak Statistics

20

million people visit the site each day

1.4

billion page views per day (during peak)

40k

visits per second

15k

tickets sold per minute

5
BILLION

Passengers by 2020

For this year's Chunyun:

154.62

million train tickets have
been sold...

A year on year increase of

20.3%

Key Peak Statistics

Train
tickets to major
cities sold out in

20
SECONDS

Dec 2013

17
MILLION

Registered users
logged by
Jan 15, 2014

Jan 9, 2014

5
MILLION

Tickets sold
on website

JANUARY 6-7, 2014

The national government estimates:

7

MILLION

Will take trains
on these days

980

THOUSAND

Are expected to use
these services in
Beijing alone

Due to online ticket

GROWTH

&

DEMAND

CRC turned to

P

Pivotal™
GemFire®

to build their next
generation platform.

PIVOTAL ENABLED THE CRC TO:

75x

Reduce query time from 15 to 0.2
seconds, speeding up queries by 75 times



Improve throughput from 3-400 queries
per second to tens of thousands

China Railways will use **Pivotal GemFire & Hadoop** to store...

More than a
SINGLE
MONTH

of ticket data

10-20
TIMES

more
information

...allowing travelers
to buy tickets even earlier.

Pivotal™

www.pivotal.io

CONTACT US
info@pivotal.io

TWITTER
@Pivotal

LINKEDIN
www.linkedin.com/company/pivotalsoftware

SOURCE
China Railways Corporation

P Pivotal™
GemFire® Pivotal Software, Inc.