



# Open Clouds: Economic Growth Catalyst through 1Malaysia Collaboration

Damien Wong

General Manager, ASEAN, Red Hat Asia Pacific  
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**First, some happy  
open source users**



# DISA RACE SERVICE

The Defense Information Systems Agency's Computing Services Directorate (DISA) creates a **rapid-deployment environment** that provisions hardened systems to DOD customers.

Only two computing environments are offered: Microsoft Windows and Red Hat Enterprise Linux.

**“This is all about our customers...** RACE is a first for DoD – our users can now customize, purchase, and receive their test and development computing platform within 24 hours and the production environments within 72 hours, and that’s a must for worldwide missions with ever-changing computing requirements.”

Henry J. Sienkiewicz  
Technical Program Director  
DISA Computing Services



# Blue Force Tracker, US Army

The US Army FBCB2 program provides friendly force location data to 70,000 warfighters on mobile devices.

PEO-C3T needed a **stable, secure platform** for BFT that also allowed for a range of hardware options and an accessible development environment. They chose Red Hat Enterprise Linux.

**“When we rolled into Baghdad, we did it using open source.** It may come as a surprise to many of you, but the U.S. Army is *the* single largest install base for Red Hat Linux. I'm their largest customer.”

Brigadier General Nickolas G. Justice  
Deputy Program Officer, PEO-C3T  
U.S. Army



# Federal Bureau of Investigations (FBI)

Criminal Justice Information System (CJIS) serves one million end users in 18,000 agencies. The CJIS data center processes 8.5 million transactions a day, including 200,000 fingerprint checks each day, and 14.5 million background checks each year.

By moving to an open source platform, including Red Hat Enterprise Linux and JBoss Middleware, CJIS gained four times the capacity, while **saving \$80 million dollars.**

Department of Homeland Security now performs background checks at the border against **68 million criminal records in under 15 seconds.**

**WE CAN DO MORE  
WHEN WE WORK  
TOGETHER**





# Collaborating for better technology, better value for all.

- **Undifferentiated value at a lower cost**  
(Advanced messaging queuing protocol – JP Morgan)
- **Encourage Ubiquity**  
(SE Linux – US Government)
- **Drive modularity and interoperability**  
(Navy Real-time – US Navy)
- **Disseminate standards and best practices**  
(OMB, NIST)
- **Engage the public: Let Citizens help you**  
(CivicCommons)

# PRODUCT PROCESS AND COMMUNITY PARTICIPATION



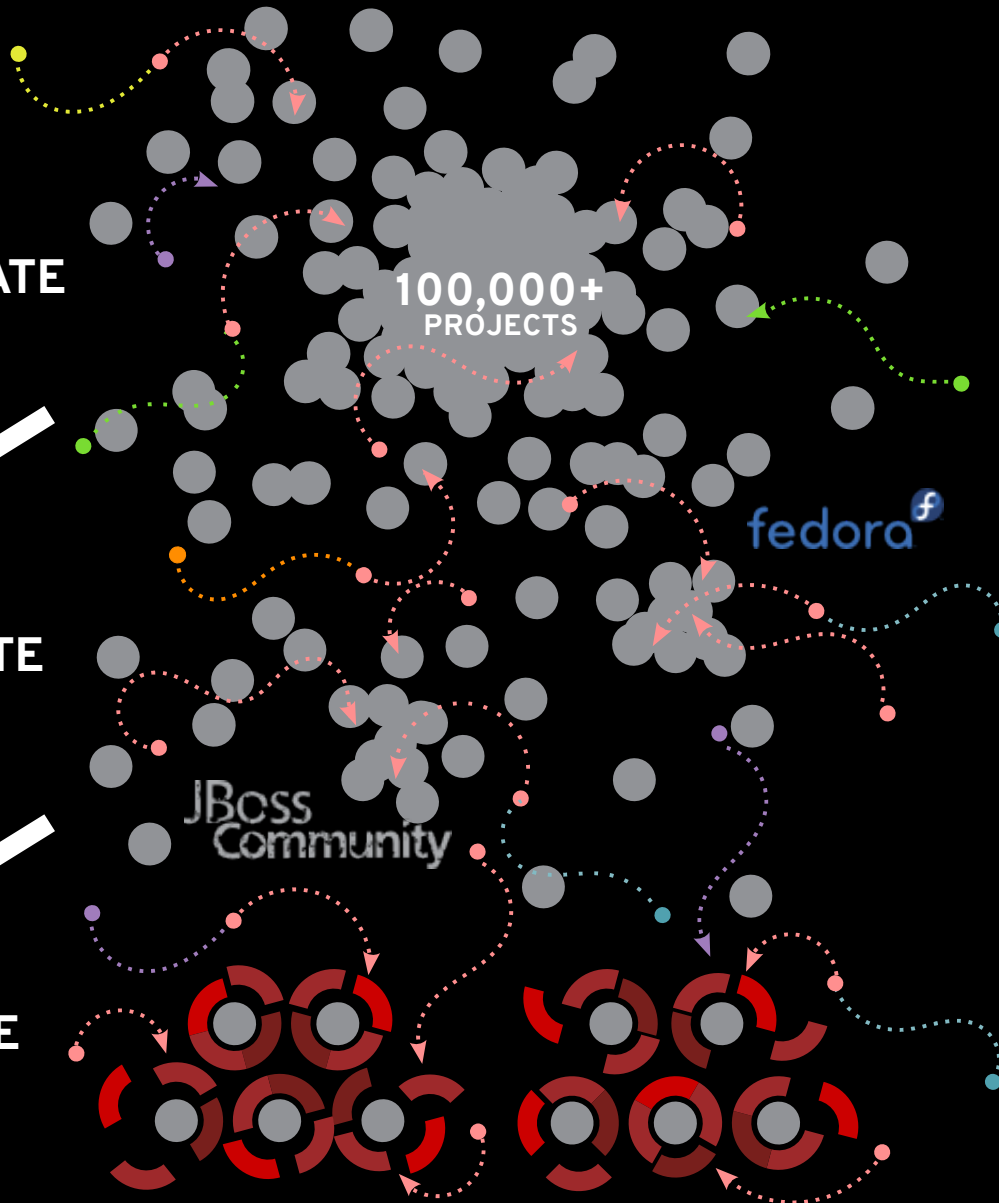
**PARTICIPATE**



**INTEGRATE**



**STABILIZE**

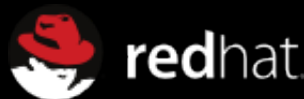


We participate in & create upstream projects.

We build & support open communities around integrated projects.

We enable software & hardware partners to participate at every stage of development.

We commercialize these innovations together with a rich ecosystem of services & certifications.





# Open Source Technology can help governments...

- Improve national sovereignty
- Improve economic development
- Grow global knowledge

**Malaysia**  
**BOLEH!**

**In 2010:**

**705/724\***

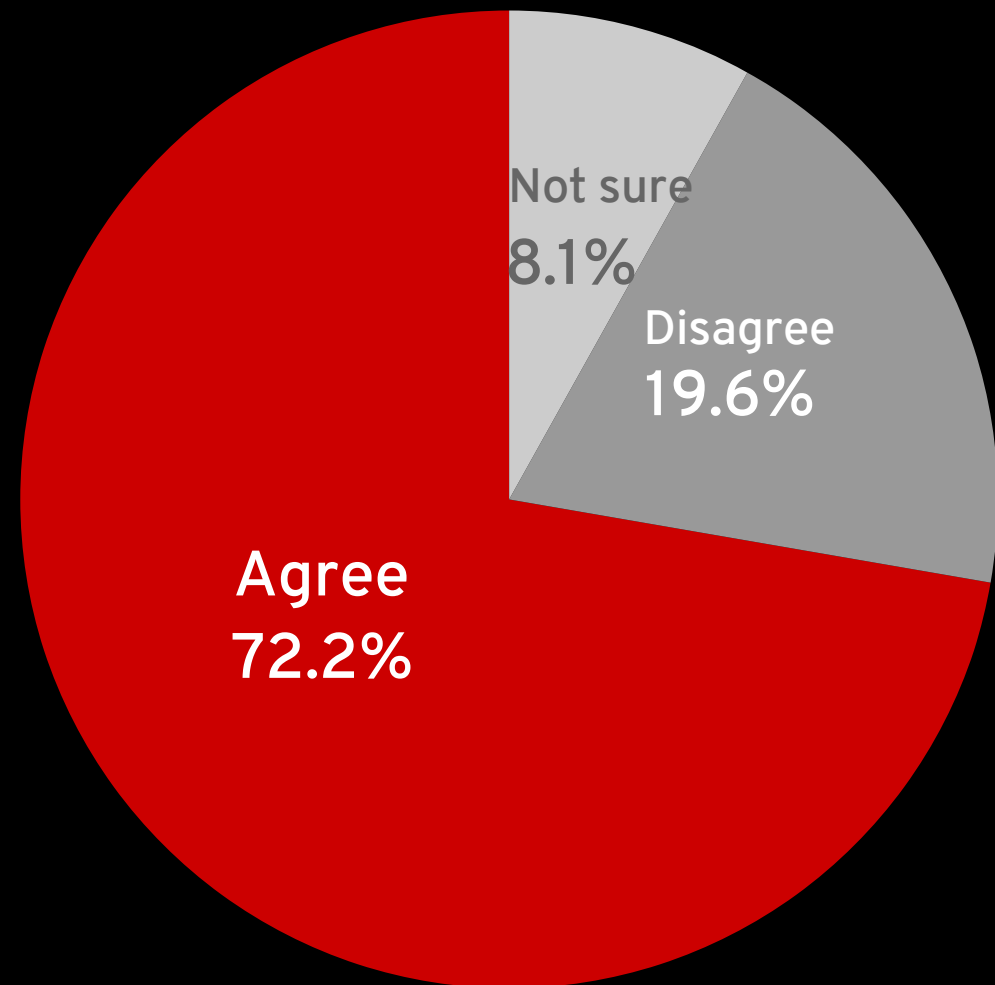
Malaysia gov agencies use  
OSS!

**What's next?**

\* OSS, MAMPU, Nov 2011



By **2014**  
**1/3** OF ALL IT ORGANIZATIONS  
will be  
**PROVIDERS**  
of  
**CLOUD SERVICES**  
OF ONE TYPE OR ANOTHER TO  
**CUSTOMERS**  
and / or  
**BUSINESS PARTNERS.**





**Open Source. Open Clouds.**

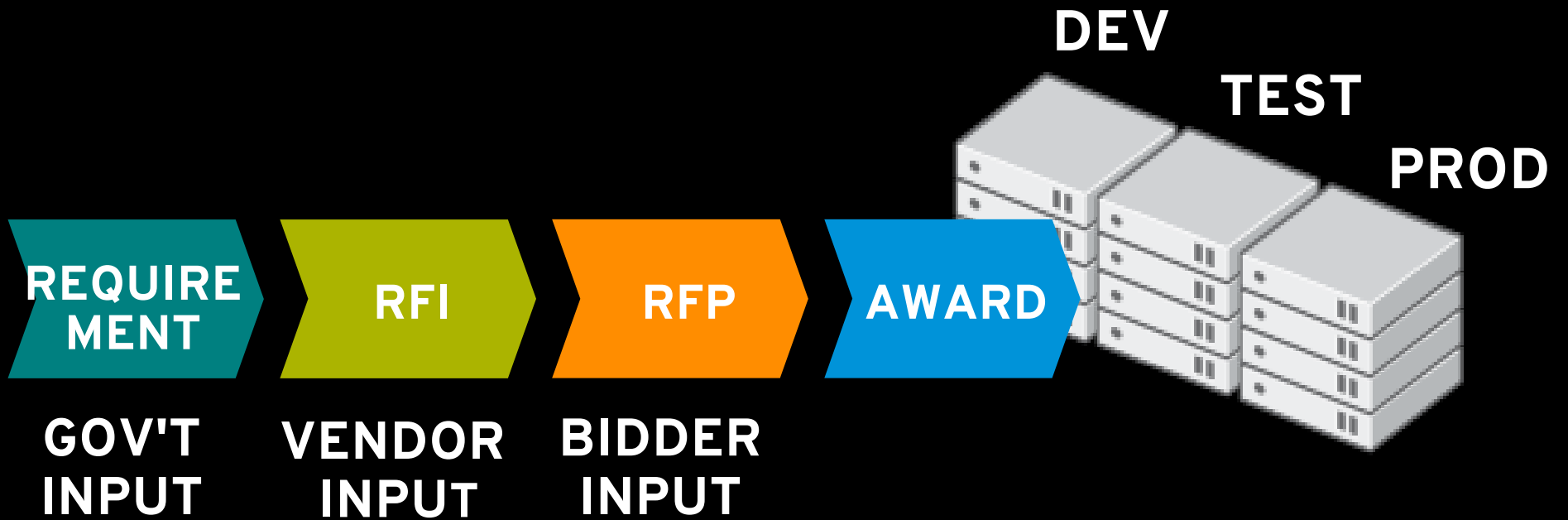


# Open Clouds for Governments, powered by **OSS** means

- Engaging Users and Developers through **Broad Communities.**
- **Interoperability** with Open Standards.
- **Innovation Partnership:** Gov + Commercial.



IT Projects can be more  
**viable,**  
**responsive and**  
**productive.**





**DEV**



**TEST**



**PROD**



More competition  
Lower admin costs  
Longer lifecycle



Standard Hardware



**DEV**



**TEST**



**PROD**



**IaaS**



Lower admin costs  
Faster patch response  
Rational App Strategy

Common OS Build  
Standard Hardware



**DEV**



**TEST**



**PROD**



**PaaS**



Quicker development

Less admin overhead

Shared services (MSG, DB)

Std Dev Platform

Common OS Build

Standard Hardware



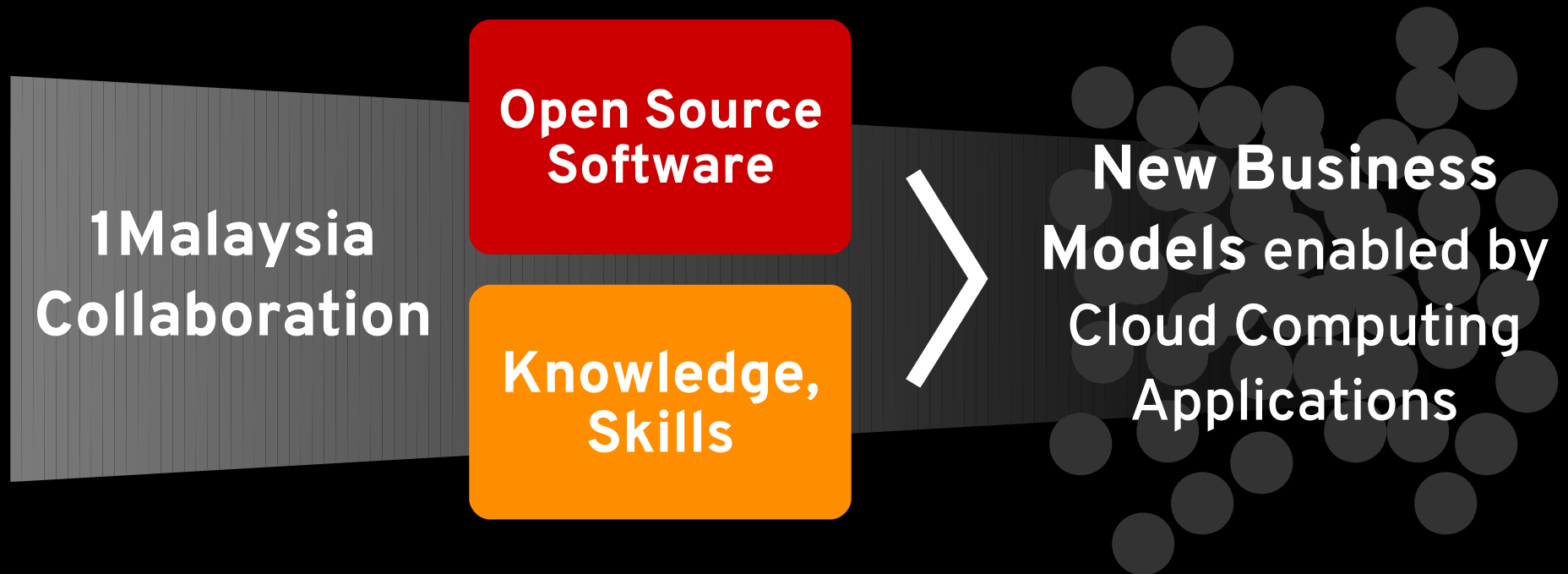
**Open Clouds** can be the  
economic catalyst for

**Government + Commercial**  
partnership.



# Open Clouds, powered by OSS

- enable sharing at development time.
- enable fast iteration at run-time.
- serve as economic catalyst through 1Malaysia collaboration (G2B / G2C).





Red Hat solutions are being used  
across government agencies to

**create efficiencies,  
eliminate vendor lock-in,  
meet mission-critical IT demands  
and improve service delivery.**



# Red Hat Solutions



## HOW WE DO IT.

We develop everything using an **OPEN SOURCE** model.

Shared development reduces costs & accelerates innovation.

Open collaboration offers products that genuinely meet customers' requirements.

## THE BENEFITS.

- ✓ Flexibility
- ✓ Faster technology innovation
- ✓ Better quality
- ✓ Better price & performance
- ✓ Alignment to your needs



**Red Hat consulting and training  
knowledge, professional support,  
and hands-on skills  
to ensure success with every Red Hat Linux  
and Jboss deployment.**



# Red Hat Consulting and Training

**ADVISORY  
SERVICES**

**MIDDLEWARE &  
APPLICATION SERVICES**

**INFRASTRUCTURE  
SERVICES**

## RED HAT PATHWAYS

Helping solve business and technical challenges with best practices, tailored to business priorities, resources, and budget.

**IT Consolidation**

**Mission-Critical Solutions**

**Operational Efficiency**

**Cloud Readiness**

## RED HAT TRAINING

- ✓ Employees will gain skills, promoting IT success.
- ✓ Large portfolio of courses.
- ✓ Over 100,000 Red Hat Certified professionals.
- ✓ Over 60% of the Fortune 2000 have sent students to a Red Hat Training class.
- ✓ More than 1 million Red Hat Training customers.



**Open Clouds with OSS.**

**Collaborate.**

**Unlock economic value.**





**THANK YOU**

**Damien Wong**  
General Manager, ASEAN  
Red Hat Asia Pacific