LinuxONE Community Cloud & z Systems Community Cloud

Eva Yan
evalyan@us.ibm.com
IBM LinuxONE

Take a Test Drive.
Access an IBM LinuxONE Virtual Server.
It's free.
The Journey

- Announced at DockerCon
- Partnered with Marist College to host cloud
- Joint design & Implementation
- Scalability & performance test

- Community Cloud 2.0 available
- Infrastructure: 2-way z/VM SSI, z/VM 6.3, CMA, OpenStack Liberty, home-grown SSP
- Added Ubuntu distro

- Community Cloud 1.0 available
- Infrastructure: 2-way z/VM SSI, z/VM 6.3, CMA, OpenStack Juno, ICM 4.2
- Distros: Red Hat & SUSE

- Community Cloud for Africa available

Over 3600 registrations reached

August 2015
January 2016
August 2016
October 2016
March 2017

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached

Over 3600 registrations reached
By the Numbers

3600 Registrations

115 Countries Worldwide

>10 academic institutions used for course work

>800 virtual servers running at peak

40% registrations are from the US
IBM LinuxONE Community Cloud
No-charge, open access to an enterprise grade Linux environment for fostering innovations.

Test drive a LinuxONE server.
Quickly and easily provision a virtual server image on IBM LinuxONE with the Linux distribution of your choice – Red Hat, and SUSE. Your trial includes up to 120 days access to a virtual server with 2 virtual CPU, 4 GB memory and 40 GB of storage!

Get more information or connect

What’s new
Learn the latest updates

Help
Access resources and get help

Resources
Connect and socialize

Ubuntu is now on LinuxONE.
Example Use Cases

- Tracking transaction data and routes of transaction in blockchain
- IoT solution
- Exchange Consumption credit points based on BlockChain
- Celebrity Identification Based on Deep Learning and Cognitive Learning.
- Debian spice test
- Prototyping a big data project for the department I am working for
- Web front end development
- Distributed system course project
- IBM’s Smart, Green city
- Porting OpenBLAS project on LinuxONE
- Drive my tech blog powered by Node.js
- Porting server apps to S/390 platform

- Game server
- develop facebook app for startup
- Red Cross Society Money management
- Business analytics research project
- x86 code migration test to Linux on Z
- graphql powered API server
- Optimize BLAS3 (D&Z)
- spark machine leaning on linuxone
- open source software functional testing
- Advanced database class with Cassandra
- develop linux skill
- Test Z/VM
- For Master the Mainframe competition
Developer Outreach

- Blockchain Hackathons
  - Completed: India, NYC, London, China
  - Scheduled: Buffalo, Germany, France

- Events
  - SHARE Hackzone Challenges: Blockchain, MongoDB, Analytics with Apache Spark
  - IBM Interconnect: Blockchain hands-on sessions, DevZone
  - IBM z Systems Technical University: hackzone Challenges
  - Marist College ECC
  - Global virtual hackathon

- Developer Journeys
  - Everything you need to solve real problems is compiled into a Journey: architecture diagrams, *infrastructure*, code, and pointers to essential docs.
Start your cognitive journey with IBM z Analytics Trial

- Data scientists interested in testing analytic applications on IBM z/OS
- Gain access to IBM Apache Spark on z/OS for fast, accurate results
- 100% complimentary open access to an enterprise grade environment
- No experience with IBM z Systems is necessary
- Up and running within minutes
- Access to IBM and on-line community support
- Register at ibm.biz/ibmztrial
IBM z Systems Trial Program

Try the latest IBM z Systems capabilities today at zero cost, and with no installation required.

Explore available trials

No charge, on-demand environment
At zero cost and with short lead times, trying out the latest z Systems software is now easier than ever.

No setup, no install
Trial environments are pre-configured, and ready for use. Get started with your chosen offering in hours, not days.

Hands-on tutorials
Short, easy-to-follow walkthroughs are included, so you'll experience your chosen product at its best in no time.

Choose your z Systems trial

**z/OS Connect Enterprise Edition**

Cloud / API Integration

Create efficient and scalable RESTful APIs for mobile and cloud applications securely from your business critical applications residing on the mainframe.

Powered by z Development & Test.

[Register now] [Trial information]

**Apache Spark on z/OS**

Analytics

In-place, optimized abstraction and real-time analysis of structured and unstructured enterprise data.

Powered by z Systems Community Cloud.

[Register now] [Learn more]

Sign up for a 30-day free trial