





Time for the next OPEN BREAKTHROUGH

The best of Linux and open



The best of Enterprise computing







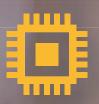
The most trusted, efficient and high performance enterprise-grade Linux platform



IBM LinuxONE Emperor



The world's fastest processor



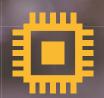
Massive I/O throughput



Large memory pools with 4 levels of Cache



IT analytics to avoid future outages



Dedicated cryptographic processors

6 to 141 LinuxONE Cores

350 to 8,000 Virtual Machines



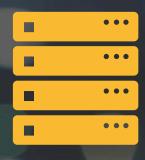




NEW IBM LinuxONE ELASTIC PRICING



All IBM Linux Software



LinuxONE HW with no up front payment



LINUX YOUR WAY

stributions

Hypervisors

Languages

Runtimes

Management

Database

Analyti















CHEF

🔑 Juju























Phad







Clojure



Scala



































DB₂

ISV Ecosystem is talking LinuxONE

Quadrant is excited by combining the world's most advanced is source database, PostgreSQL, with the world's most efficient, ted and secure server, the IBM z13. The results of up to 2x ughput performance far exceed our goal.

-- Simon Riggs, Founder, PostgreSQL at 2ndQuadrant

the leader in automation for DevOps, is collaborating with IBM to er integration between the Chef 12 Client & Chef 12 Server and s enterprise Linux offering. We're experiencing rapid and erating adoption of Chef within the enterprise, making ration with IBM z Systems an important feature for our platform

-- Matt Ray, Director of Partner Integration, Chef.

rare committed to make MongoDB available on all major forms and are excited to add support for IBM LinuxONE form. This is a leap forward for customers who want to deploy lern, mission-critical applications built with MongoDB and take antage of the performance, scalability and security of IBM's inframe hardware products."

--- Eliot Horowitz CTO & Founder, MongoDB

ker is very pleased to be working with IBM to enable the Docker ainer capability for LinuxONE and IBM z Systems.

-- Ben Golub, CEO of Docker

IBM's z Systems power some of the most mission critical services available. ... Having Puppet run on z Systems not helps realize these benefits in a mainframe environment, speaks to the ubiquitous and flexible nature of open source Puppet.

-- Nigel Kersten, CIO of Puppet

"As the ONE default database platform for leading Linux distributors, ..., MariaDB is excited to support IBM LinuxOs stated Patrik Sallner, CEO of MariaDB. "With Linux on IBN z growing at twice the rate of the Linux market overall, the clear customer demand for open source solutions on IBM' highly scalable and secure platform

--Patrik Sallner, CEO, MariaDB Corpore

"It's exciting to see the investment IBM is making into our open source technologies — Elasticsearch, Logstash and Kibana —with Linux on z Systems. This further expands the reach of our technologies in enterprises with mission critical deployments on mainframe systems."

-- Shay Banon, CTO & co-founder of Elastic

LINUX WITHOUT LIMITS



Scale Out

00 Virtual servers and busands of containers



Scale Up

Largest single instance database with single digit millisecond response time



Built for Speed

2x better performance for open SQL/NoSQL databases

LinuxONE with Awesome Results

ongoDB, MariaDB, Postgres 2x faster

Compression Spark RDD 4.9x faster Docker Persistence 4x faster

Encryption 28x faster

Node.js up to 2x faster

Spark Analytics up to 3x faster

"LinuxONE system using Node.js and MongoDB can handle over 30Billion web events

LinuxONE DB node with 1TB, 2Billion+ documents, 460,000 reads/writes/second. No Sharding required with sustained throughput and response time.

LINUX WITHOUT RISK



Unmatched Security

28x improved performance over standard secure-key technology

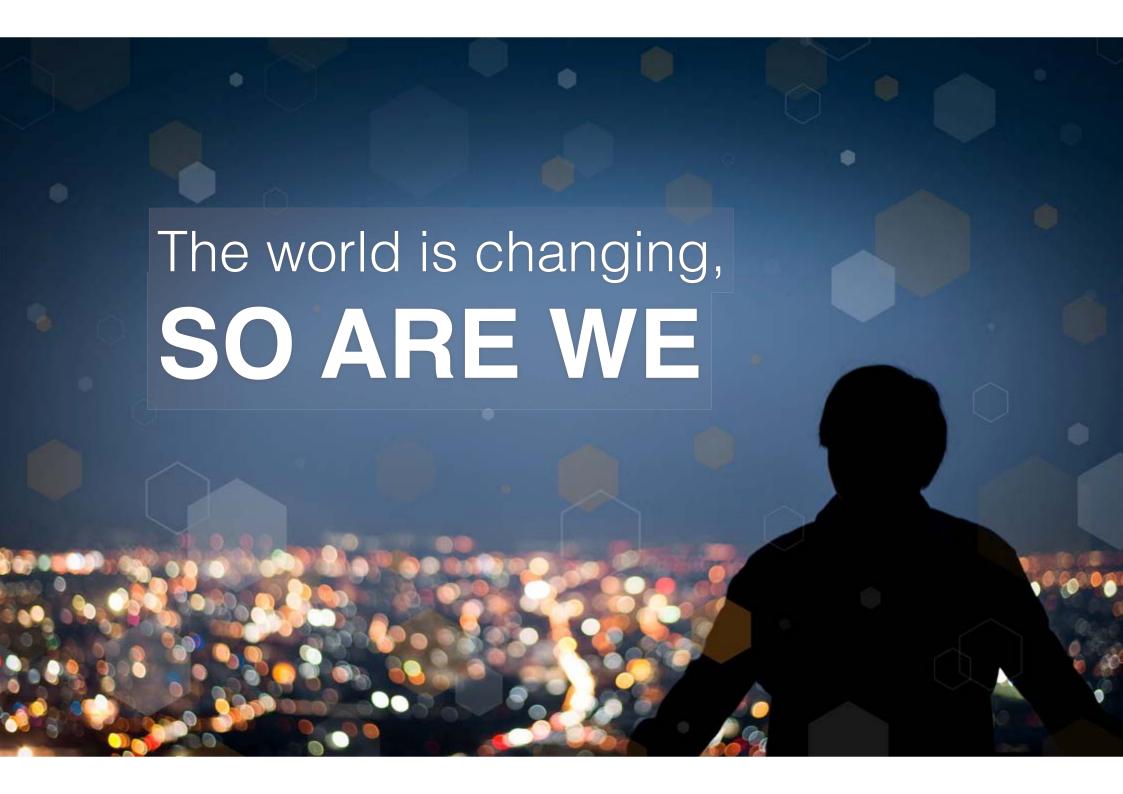


Highest Availability

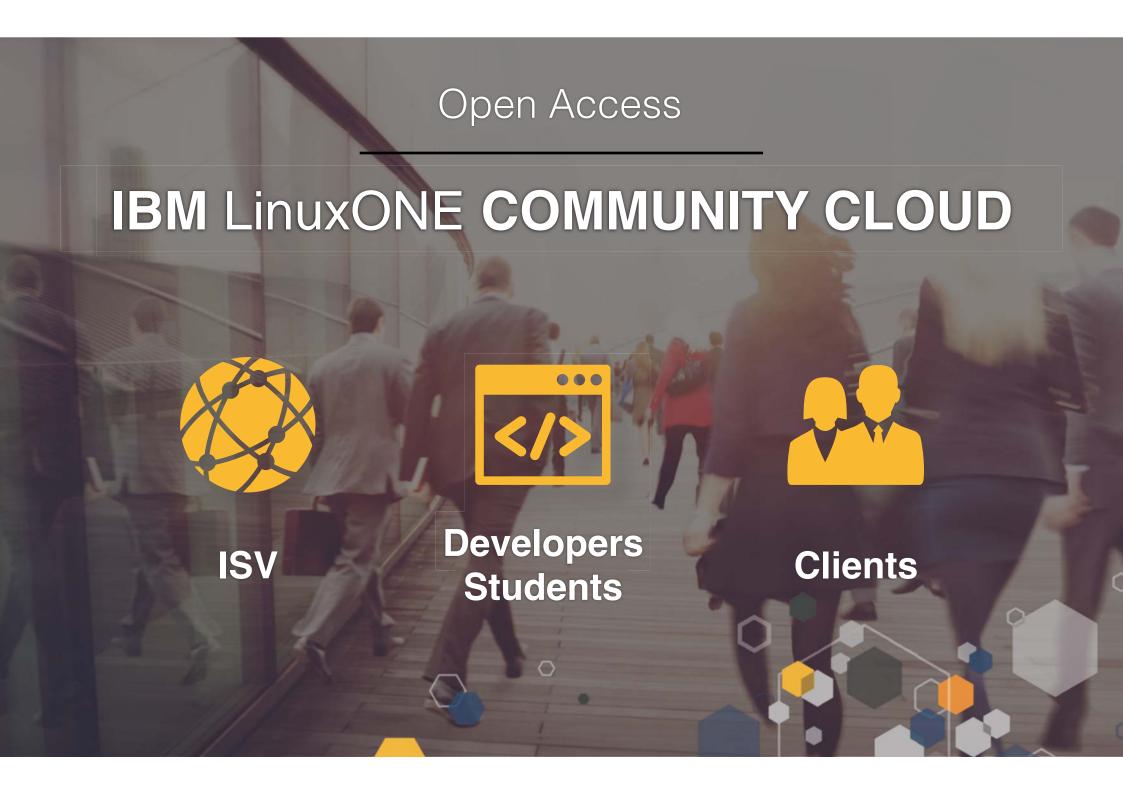
Designed to provide **100% uptime for decades**















IBM Research enabling THE FUTURE NOW

Global Health Challenge



DREAM ALS Stratification Prize4Life Challenge



















Analytic models run 2 - 7x faster with Docker on IBM LinuxONE

