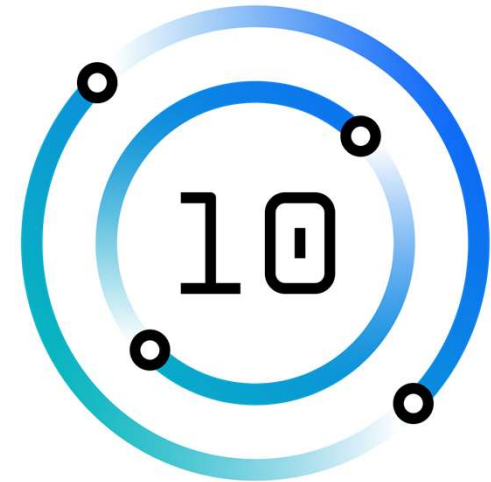




# Leverage Odoo

with enterprise class  
infrastructure

IBM Power  
odoo



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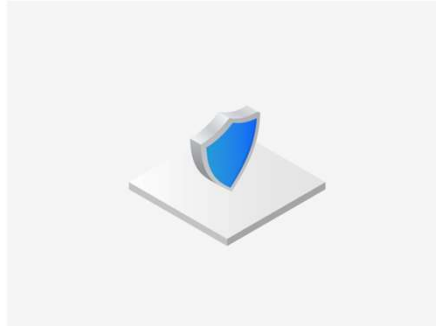
# What IBM Power is known for

- IBM® Power® is a family of servers that are based on IBM Power processors and are capable of running IBM AIX®, IBM i and Linux®
- Power responds faster to business demands, protects data from core to cloud, and streamline insights and automation.
- Power allows you to modernize applications and infrastructure with a frictionless hybrid cloud experience
- IBM Power servers provide the agility, reliability and sustainability required by any organization



## Reliable – 99.9999%

ITIC survey of 1,900 C-level executives across 37 vertical markets gives IBM Power a 99.9999% or greater availability rating.<sup>1</sup>



## Secure – 3.3 minutes

Survey says IBM Power experiences 3.3 minutes or less of unplanned outage due to security issues.<sup>2</sup>



## Sustainable – 20%

Mondi sees a 20% increase in end-user application performance for SAP S/4HANA, boosting operational efficiency to meet their climate objectives.<sup>3</sup>



## AI ready – 3.5X faster

IBM tests show that the same multitiered OLTP workload on the Red Hat® OpenShift®, running IBM® WebSphere® Hybrid Edition on an IBM® Power® S1022 server, can process 3.6 times more transactions per second per core.

What is the 'hidden secret' of IBM Power :  
It is a solid part of a strong IBM's history and commitment to open source

## Before open source was cool

- IBM supported Linux with patent pledges, a \$1 billion investment of technical and other resources, and helped to establish the [Linux Foundation](#) in 2000.
- In 1999, IBM helped to create the [Apache Software Foundation](#) (ASF)
- IBM led the creation of the [Eclipse Foundation](#) in 2004.



**25+**

years in  
open source



**7,400+**

IBMers active  
in open source



**20,000**

commits per  
month



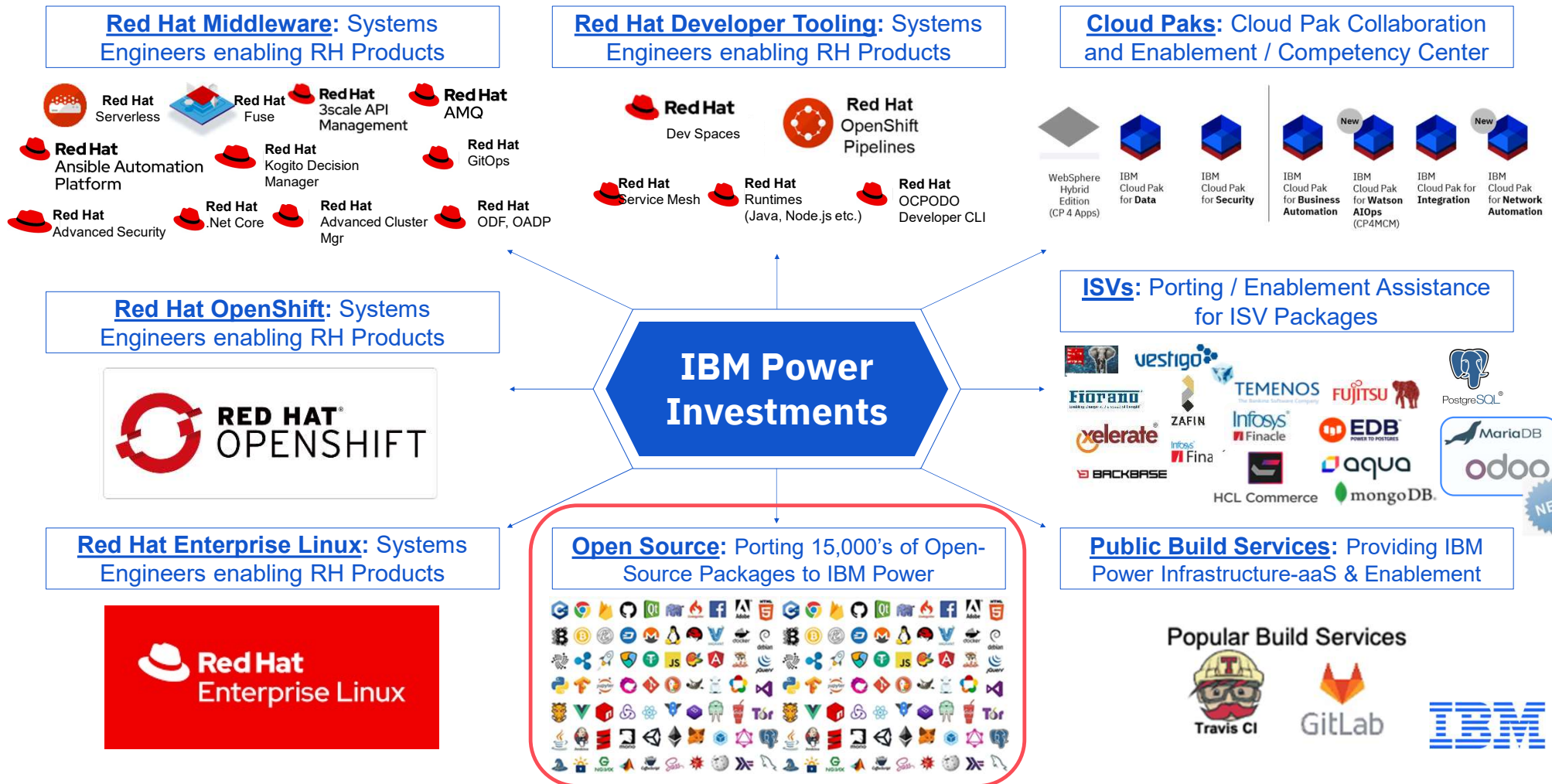
**+2900**

hosted GitHub  
repositories

## Open source contributions through time

- Linux Kernel
- Java
- Machine learning, Deep learning and AI
- Cloud: Cloud Foundry, OpenStack, OpenWhisk, Docker, Kubernetes, Istio
- Blockchain (Hyperledger)
- IOT (MQTT)
- Quantum

# With IBM Power you will access a large opensource ecosystem



A wide ISV ecosystem on IBM Power and many more ...

Critical Applications, Open Source and OpenShift container packages for Application Modernization and Cloud Native Apps

Over 15,000 Open-source packages for IBM Power

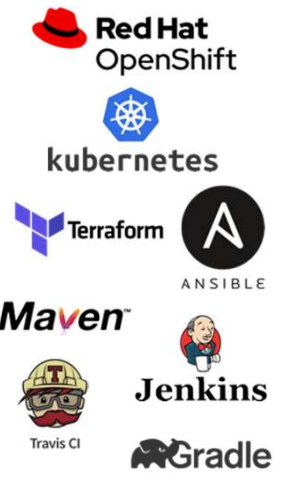
OS Images



Web & Middleware



Cloud & DevOps



Languages & Runtimes



Databases



Analytics & AI



Storage



Network & Monitoring



ISV Applications



# Modernization with multi/hybrid cloud



## Mission Critical Business Applications



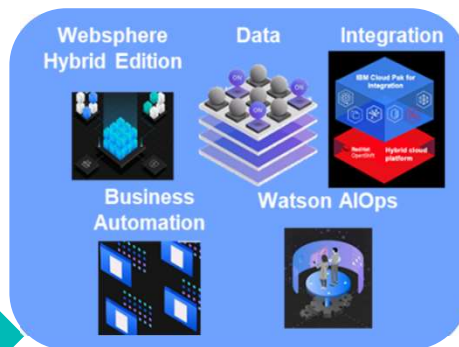
- ✓ Efficient scaling of Infrastructure
- ✓ Proven security and reliability
- ✓ More software with less servers



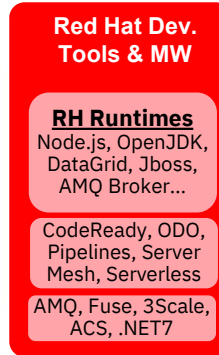
High Speed

## New Cloud Native Applications

### IBM Middleware & CloudPaks



### Create New Cloud Apps



### Growing Ecosystem



- ✓ Add AI and Automation Capabilities
- ✓ Rapidly Develop and Deploy new Apps
- ✓ Incrementally Extend Existing IT Value

PowerVM Hypervisor – Enterprise Scale, Resiliency and Security

Power On-Premise



PowerVS

Dynamic Capacity, Superior Integration, Performance, and Security across Systems and Software



Hundreds of Customers

## Use Case Patterns

Exploit databases on Power

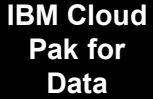

Co-locate apps & data

Infuse AI into apps

Containerize ISV apps

# Modernize apps with OpenShift Container Platform on Power S1022

IBM Power S1022 has 3.6X more throughput per core and 46% lower 3-year TCO running containerized applications versus running the same containerized applications on a compared x86-based server

		<b>IBM Power S1022</b> (40-core, 1TB)	<b>Intel Xeon Platinum 8380</b> (80-core, 1TB)
<b>Solution Cost</b> Server + OpenShift Subscription @ \$2,000 / core per year + WSHE @ \$10,240 / core per year With 3 years of support		<b>\$1,654,847</b>	<b>\$3,053,112</b>
<b>Server price</b> -Power S1022 -Xeon Platinum 8380-based server -Includes OS/Virt -Both with 3-yr warranty		<b>\$186,047</b>	<b>\$115,512</b>
<b>DayTrader workload</b> Total Transactions per Second		<b>76,763</b>	<b>42,565</b>
<b>TPS/K\$</b>		<b>46.4</b>	<b>13.9</b>

**3.6X**  
per core performance

**3.3X**  
Better Price-performance

**46%**  
Lower Solution Cost over 3 years

Based on IBM internal testing of Red Hat OpenShift Container Platform 4.9.18 worker nodes running 160 pods each with 10 users using the Daytrader7 workload (<https://github.com/WASdev/sample.daytrader7/releases/tag/v1.4>). Results valid as of May 6, 2022 and conducted under laboratory conditions, individual results can vary based on workload size, use of storage subsystems and other conditions. Comparison is based on the throughput and number of containers on IBM Power S1022 (2x20-core/1TB) versus Intel Xeon Platinum 8380-based (2x40-core/1TB) systems. Test was run with WebSphere (HE) Liberty 22.0.0.4, Java (TM) SE Runtime Environment (build 8.0.7.6 - (SR7 FP6)) accessing AIX Db2 databases on a Power E1080 system.

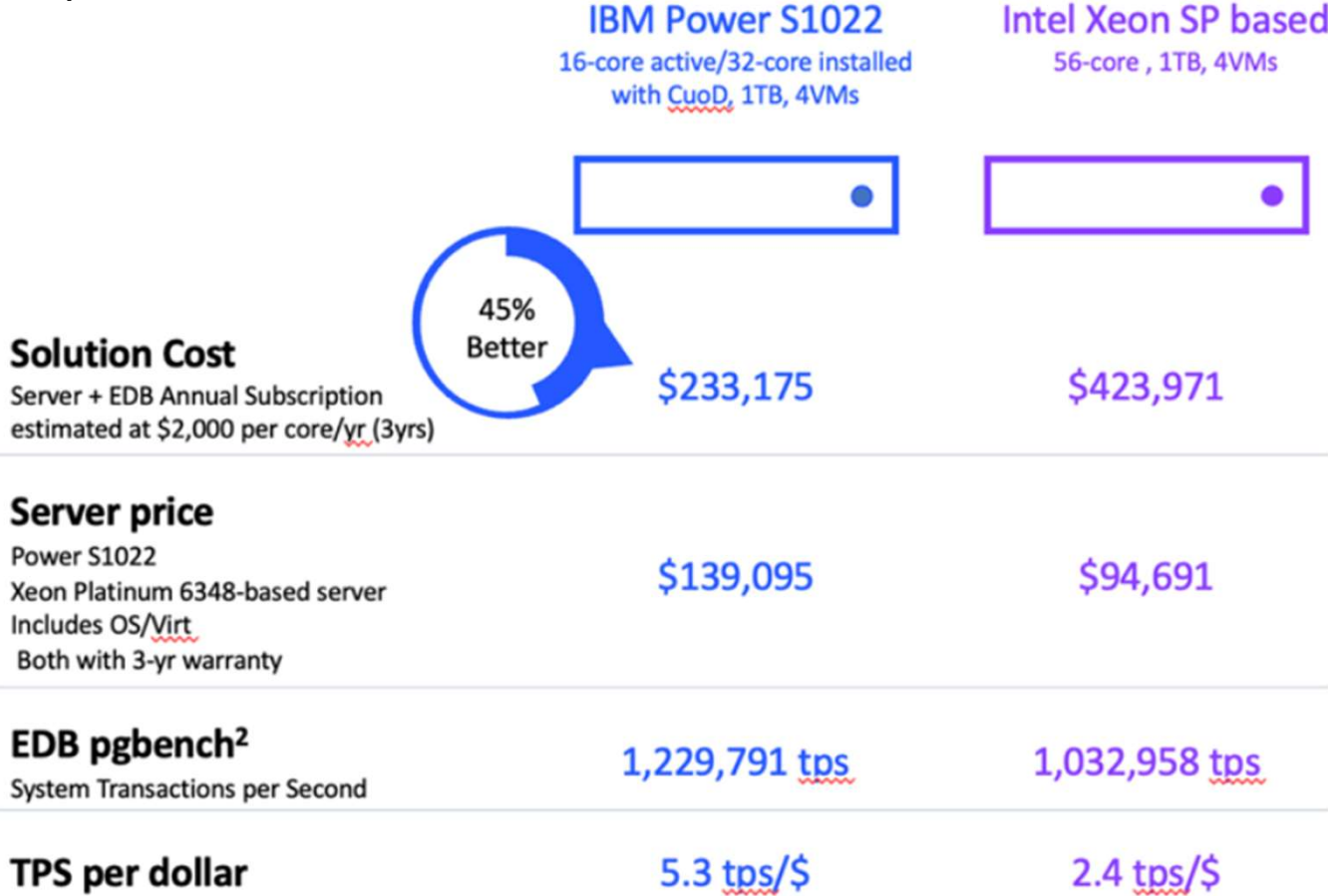
Total Cost of Ownership is defined as hardware, software, and maintenance costs over a period of three years and Price-Performance is performance/3-yr TCO where hardware pricing is based on IBM Power S1022 <https://www.ibm.com/products/> and extrapolated industry standard x86 pricing based on IBM internal industry knowledge and software pricing available at <https://www.redhat.com/en/technologies/cloud-computing/openshift/pricing> and <https://www.ibm.com/cloud/websphere-application-server>

# IBM Power and EnterpriseDB

IBM Power offers the ideal platform for running EDB Postgres with leading performance and a reduced TCO.

Like all database solutions, EDB Postgres needs to run on the right platform in order to provide the best results.

With its leading resiliency and security, high performance and low total cost of ownership, IBM Power10 is uniquely positioned to be the platform that delivers the best results for organizations using EDB technology.



<https://ibm.seismic.com/Link/Content/DCfG2cQ8HXHBGGqTf4CTTqq37hjd>



## What is

Open Source business management software tools:  
CRM, e-commerce, billing, accounting, manufacturing, warehouse,  
project management, inventory management....

- 7 000 000+ users around the world
- 3 500+ Business partners
- 40 000+ applications

Odoo is one of the unicorns of Belgium (>1B EUR of valorization)

- Open Core business model (Open Source Core + Proprietary features)

# Odoo applications (Enterprise + Community) are supported on IBM Power



**odoo** Docker Official Image · ↓ 10M+ · ☆ 1.4K  
Odoo (formerly known as OpenERP) is a suite of open-source business apps.

CONTENT MANAGEMENT SYSTEM

```
docker pull odoo
```

Copy

Overview **Tags**

Sort by

Newest ▾

Filter Tags



TAG

[16.0-20240904](#)

Last pushed 6 days ago by [dojanky](#)

```
docker pull odoo:16.0-20240904
```

Copy

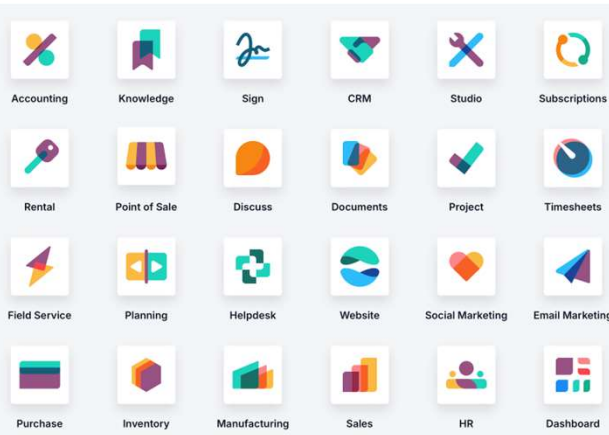
Digest	OS/ARCH	Vulnerabilities	Compressed Size ⓘ
<a href="#">4c03b905cfed</a>	linux/amd64		557.01 MB
<a href="#">823b96fcd0b6</a>	linux/arm64		552.83 MB
<a href="#">3d4f3979f687</a>	linux/ppc64le		570.9 MB

Enterprise software  
done right.

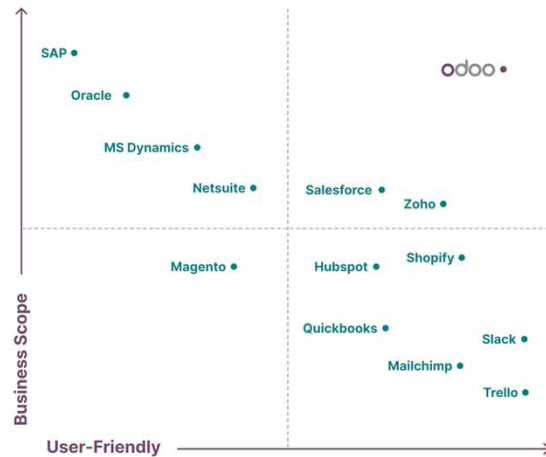
# Odoo on IBM Power

odoo EXPERIENCE

Brussels Expo, October 2-4



## A unique value proposition



### Need to scale more? We can go 10x

#### Load balanced amd64

- Load balanced Odoo servers
- Load balanced PostgreSQL
- Read-only transactions on replica
- Read-write transactions on the main cluster

#### IBM Power10

- Long history of PostgreSQL
- Official Odoo support
- 2x Performance on clock
- Up to 1,080 cores

<https://www.odoo.com/>

**IBM**