

# Proprietary Versus Open Source Software

Once esoteric, open source is increasingly seen in enterprise software architectures.



## What's Making Open Source so Attractive?

- 1 Simple software selection and screening process.
- 2 No lengthy negotiations or lock-in with vendors.
- 3 Rapid rollout and adoption of innovative applications.
- 4 Increased speed to market.
- 5 Reduced costs.

**50%**  
Open source use is above 50% for newly written apps in some companies.  
— 451 Research

**85%**  
By 2024, open source Linux is expected to power 85% of the public cloud workload.  
— BCG.com

Organizations embrace the ease and speed of open source, *but what are the risks?*

## Open Source Risks Are Costly and Far Reaching

With open source, software quality is unknown. Sensitive data exposure due to breaches and IP theft can easily result from the use of a vulnerable piece of code in the heart of your business.



**A single data breach** can affect hundreds to millions of users and cause expensive losses.

**Cost: \$363**  
Per single personally identifiable information (PII) record  
The Equifax data breach cost more than **1.7 billion** compromising private records of more than **163 million** U.S., British and Canadian citizens.  
— Atlanta Business Chronicle and Wikipedia

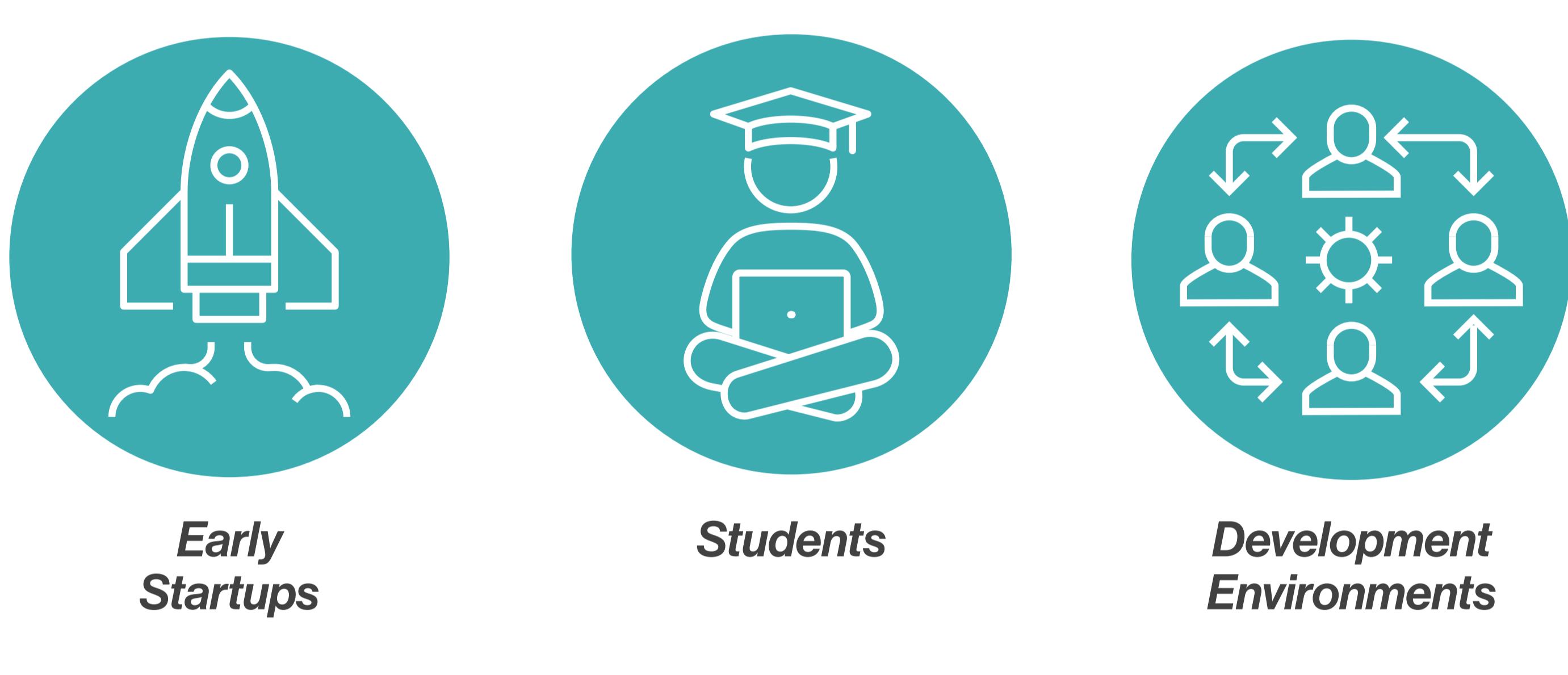
**Cost: \$158**  
Per single personal health information (PHI) record  
Over **15 million** health records (PHI) have been compromised by data breaches.  
— U.S. Department of Health and Human Services, Office for Civil Rights, Breach Portal

**Cost: Up to \$600 billion**  
The Commission on the Theft of American Intellectual Property estimates that annual costs from IP losses range from **\$225 billion** to **\$600 billion**.  
— Treasury & Risk

These are hefty prices to pay *when a breach reaches into the millions* of records and IP theft causes often intangible damages.

## Pentaho™ Community Edition: Open to Risk?

Tapping the benefits of the Community Edition (CE) of Pentaho business intelligence technologies is a valuable first step for:



**But risks are prevalent** — especially when unsupported CE software is managing customer, financial, confidential or production data. Concerns with Pentaho CE include:

1. Only two major releases a year to address issues.
2. Highly manual open source process — difficult to manage.
3. Challenging to ensure quality with no expert support.
4. Key enterprise features missing.
5. Higher software, intellectual property and license compliance risks.
6. Exposure to significant fines and market cap loss.

With CE, when these challenges arise, expert support is not there. **You're on your own!**

## Gain a Full Suite of Technical Support and Enterprise Features With Pentaho Enterprise Edition

**Enterprise Features**

- **Rapidly integrate, blend and analyze** data from myriad sources, on-premises and in the cloud.
- **Scale to any data pipeline workload** within an enterprise, aligning data preparation and model management.
- **Deploy highly composable containerized environments** across hybrid cloud, leveraging Kubernetes for flexibility.
- **Drive modern business intelligence**, integrating data from Snowflake, MongoDB and Postgres.

**Technical Support**

- **Experience continued support** of the latest engines: no need for rewriting apps.
- **Rely on wide-ranging security and support** with monthly patches and updates (Kerberos and Apache Ranger, for example).
- **Employ anytime, anywhere dataset analysis:** SLAs maintained across distributed data architecture.
- **Use hundreds of prebuilt connectors and convert** from mainframe format: improve 360-degree insights, machine learning performance and access to critical datasets.

## Pentaho Enterprise Edition Versus Pentaho Community Project

### Explore Some of the Key Differences

Features	Pentaho Enterprise Edition	Pentaho Community Project
Codeless Pipeline Development	✓	✓
Enterprise-Scale Load Balancing & Scheduling	✓	—
Streaming Data Support	✓	—
Easy Kettle To Spark Execution	✓	—
Expanded Library of Connectors	✓	—
Data Science Toolkit	✓	—
Professional Services Packages	✓	—
IP Protection	✓	—
Connector Support for Cloud, Big Data, Streaming, Data Catalog	✓	—
Enterprise Components for Business Analytics	✓	✓
Report Capabilities	✓	✓
Pentaho User Console	✓	✓
Containerization and Hyperscaler Support	✓	—
Meta Data Injection at Scale	✓	✓
Full Meta Editor	✓	—
Data Source Wizard	✓	✓
Schema Workbench	✓	✓
Advanced Encryption Standard (AES)	✓	—
Technical Support Options	24/7 availability, Assigned Architect, Mentoring	Forums, Community, How-to Videos
Release Schedule	Major releases, security updates	N/A

**See the differences.**

## Upgrade to Pentaho EE for Agility With Security

The risks of using unsupported open-source software, like Pentaho CE, outweigh the benefits of having it in production. That's why Pentaho Enterprise-Edition takes the best ideas from the open source community and battle tests them in multiple environments, giving you a solution you can count on. With Pentaho EE, you can maintain development agility of open-source while keeping your data **safe, secure, compliant.**

**Get a guided hands-on experience.**

**Start your free Pentaho 30-day trial.**