Data collection and analysis is becoming more complex and enterprises are seeking solutions that help to simplify their Big Data architectures. SequenceIQ’s mission statement is to simplify and automate the provisioning of on-demand Hadoop clusters running on different environments. SequenceIQ provisions and runs the full Hadoop stack and components on Docker containers.

SequenceIQ has a solution set of products that enterprises can choose from including:

- **CloudBreak**: an open source, cost effective way to start and run multiple instances and version of Hadoop clusters in the cloud, Docker containers or bare metal

- **BanzaiPipeline**: a RESTful application development platform for building big data pipelines running on Hadoop YARN

- **Periscope**: associates SLA policies to applications and brings QoS for multi-tenant Hadoop YARN clusters

SequenceIQ offers big data application development as a service by abstracting and separating the cloud layer. The API allows developers the flexibility of defining customized data and job pipelines without deep knowledge of the broad data related technologies.

**What Business Challenges are Solved?**

**Innovation**

The combined technology stack of SequenceIQ’s products provide just in time infrastructure and application provisioning.

**Flexibility**

SequenceIQ’s Cloudbreak allows the option to choose a preferred cloud provider and pricing model. The common API translates calls to different cloud vendors.

**Scalable**

An arbitrary number of Hadoop nodes can be provisioned based on the workload demand. Nodes can be added or removed on the fly.
SequenceIQ in the Modern Data Architecture

SequenceIQ provides an API to the Hadoop data systems to automate provisioning of on-demand clusters

SequenceIQ is a Certified Technology Partner

The Hortonworks Certified Technology Program reviews and certifies technologies for architectural best practices, validated against a comprehensive suite of integration test cases, benchmarked for scale under varied workloads and comprehensively documented.

Hortonworks. We do Hadoop.

Hortonworks is a leading commercial vendor of Apache Hadoop, the open source platform for storing, managing and analyzing Big Data. Hortonworks Data Platform, our distribution of Apache Hadoop, provides an open and stable foundation for enterprises and a growing ecosystem to build and deploy Big Data solutions.

Hortonworks is the trusted source for information on Hadoop, and together with the Apache community, Hortonworks is making Hadoop an enterprise data platform. Hortonworks provides unmatched technical support, training and certification programs for enterprises, systems integrators and technology vendors.

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