Hadoop application development with Ubeeko HFactory and Hortonworks Data Platform

EMPOWERING HADOOP APPLICATION DEVELOPERS

Hadoop has become the foundation for a modern data architecture supporting a variety of processing paradigms on a unified technology base. With the development of YARN and the advent of Hadoop 2.0, customers can now run more complex workloads and vertical applications on the platform.

As enterprises look to realize the full value of Hadoop, simplifying application development on Hadoop grows in importance. As noted by Gartner, “developers on Hadoop need the same empowerment as BI/analytics users”. Ubeeko, a technology partner with Hortonworks, precisely fills that gap and dramatically lowers the barrier to Hadoop application development with a modular, Scala-based application stack.

HFACTORY: HADOOP APPLICATION STACK

HFactory is the first micro-framework to simplify and speed up the development of HBase powered business applications. The solution offers full-stack scaffolding on top of HBase, automates the REST API and generates the JavaScript client side logic, services and entities. In parallel, Ubeeko offers packaged developer tooling for the HFactory application stack. Available as a virtual machine, HFactory Studio is a powerful, self-contained development environment based on Docker.

Key HFactory characteristics

Accessible
HFactory does not require in-depth NoSQL experience or Scala programming skills. The solution provides a high level expressive DSL to describe the application business logic. Automation can if desired be pushed all the way up to UI generation.

Modular
HFactory lets you define and control the level of automation you are comfortable with. NoSQL serialization can be fully automated, handled through directives or managed manually. You remain in control.

Open
HFactory web stack is 100% based on open-source web technologies, ensuring you can easily plug in your own enterprise templates. The output is an open interaction and visualization layer based on standard REST / JSON.

“Ubeeko and Hortonworks share a common goal of extending the value of Hadoop beyond ETL and BI. The combination of Ubeeko HFactory application stack for HBase and Hortonworks Data Platform delivers a powerful solution for the development of real-time, interactive applications on Hadoop.”

Ghislain Mazars
CEO, Ubeeko

www.hortonworks.com
Ubeeko in the Modern Data Architecture

Delivering simplicity

In partnership with Hortonworks, Ubeeko brings a smarter approach to Hadoop application development by exposing HBase data as web services. HFactory stores and retrieves entities from HBase and expose them in JSON through a REST API.

- No “code plumbing”
- Full-stack scaffolding
- Entity-centric data modeling
- Scalable, asynchronous stack
- Applications app store

... and efficient use of engineering resources.

Get Started with HFactory

To try out HFactory Studio and prototype your first HBase applications in a self-contained virtual machine, just sign up for a free evaluation version at http://ubeeko.com/download.html.

Ubeeko 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.

For additional questions, contact:

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