



Cloudera hereby recognizes that

Michael Knapp

has successfully completed

all program requirements and is certified as a

Cloudera Certified Specialist in Apache HBase (CCSHB)

CDH Version: 4

License: 100-009-731

Date: April 14, 2014

A handwritten signature in black ink, reading "Sarah Sproehnle".

Sarah Sproehnle
Vice President, Educational Services

A handwritten signature in black ink, reading "Tom Reilly".

Tom Reilly
Chief Executive Officer