



Certificate of Completion

This certifies that **Pawel Wlodarski**

Has completed **HDE 100 - HADOOP ESSENTIALS**

19-07-2015

Date Granted

A handwritten signature in black ink, appearing to read 'Dave Jespersen', written over a horizontal line.

Dave Jespersen
Vice President, WW Services
MapR Technologies, Inc.
www.mapr.com