

CERTIFICATE

Marcel Carlé

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born on: May 26, 1990

has successfully completed:

In-Memory Data Management

by Prof. Dr. h.c. mult. Hasso Plattner

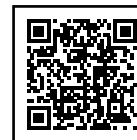
The course covered the following topics:

- The Future of Enterprise Computing
- Foundations of Database Storage Techniques
- In-Memory Database Operators
- Advanced Database Storing Techniques
- A New Enterprise Application Development Era

Total result (homework and final exam):

169.7 out of 192.0 possible points (88.4%)

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Potsdam, November 04, 2012

Prof. Dr. Christoph Meinel
Head of openHPI

Prof. Dr. h.c. mult. Hasso Plattner
Course Instructor