



— The OpenStack Foundation is proud to recognize that —

***Muhammad Hanif***

has satisfied the performance-based examination requirements to become a  
**Certified OpenStack Administrator**, by demonstrating the skills required  
for day-to-day operations and management of an OpenStack cloud.

A handwritten signature in dark red ink, appearing to read 'Jonathan Bryce', is written over a horizontal dotted line.

JONATHAN BRYCE  
EXECUTIVE DIRECTOR, OPENSTACK FOUNDATION

June 4, 2018

DATE OF COMPLETION

COA-1800-001319-0100

CERTIFICATE ID NUMBER