Serverless Development 101

**HOS02B – Install Serverless Framework**

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1/10/2019 Checked by Clark Jason Ngo

1/10/2019 Tested by Tuan Khai and Minh Truong

2/4/2019 Revised by Sam Chung

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3/14/2021 Reviewed by Min Qiu

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This course will take advantage of the Serverless framework. Serverless is a framework that can help software engineers to deploy the serverless application quickly. For more information, please visit <https://serverless.com/>

We will also create a profile in your local machine with the AWS Access key ID and AWS Secret access key you created in the last activity.

**Learning Outcomes**

* Install the Serverless framework and create a profile.

**Install the Serverless framework and create a Profile.**

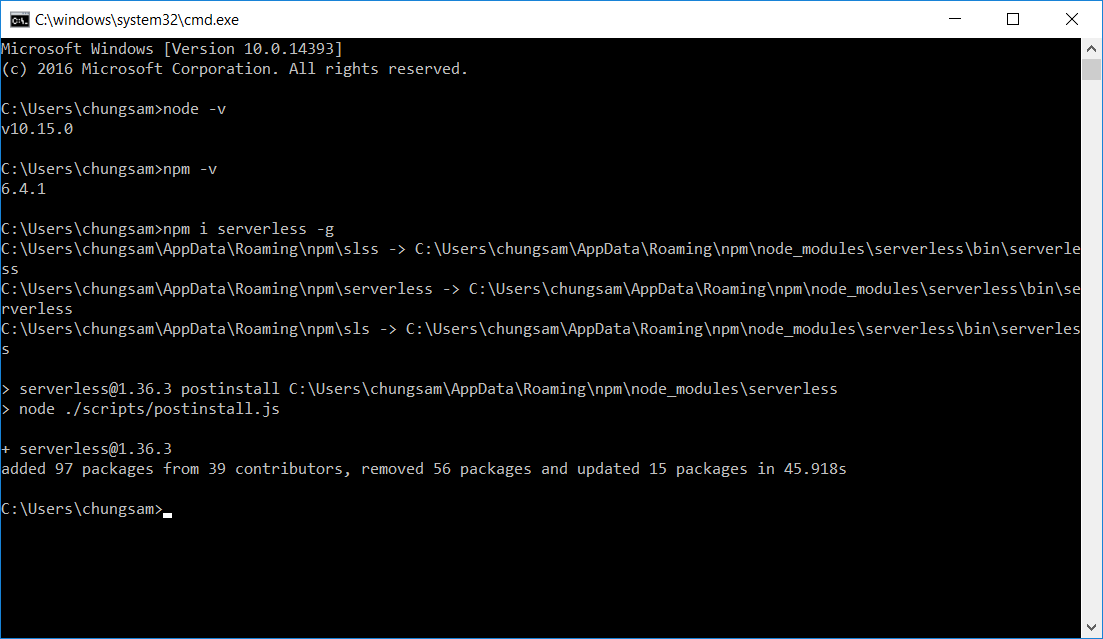
1. Open a terminal.  
   (Windows: Windows + R, then “cmd”. MacOS: Command + Space, then “terminal”).
2. Type “node -v” and “npm -v” in the terminal to make sure you can see the version of NodeJS and NPM. (Your versions may be different from the example).

A close up of a sign

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1. Type “npm i serverless -g” in the terminal.   
   Installation takes a while.   
   Note: Mac users may need super user’s permission.   
   Type “sudo npm i serverless -g” and password (your password for your laptop/local machine) for the super user.



For example, a Windows laptop shows the following information.  


On macOS

A screenshot of a cell phone

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1. After the installation finishes, type “sls -v” in the terminal to check the version of Serverless framework (sls is short for serverless).

A picture containing drawing, bird

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1. Type “serverless config credentials --provider aws --key **YOUR\_ACCESS\_KEY** --secret **YOUR\_SECRET\_KEY**” in the terminal to create a profile in the local environment with credentials (you should replace the YOUR ACCESS KEY and YOUR SECRET KEY with your own keys).