

# AUTOMATING MAPR (HADOOP CLUSTER) PROVISIONING

for a Global Travel Technology Company



**Service:** Enterprise Agility

## OVERVIEW

Customer Context & Goals :

- ▶ Institutionalize an enterprise Innovation framework for Continuous Integration, Continuous Delivery and Continuous Learning

The DevOps and Cloud Automation CoE helped the customer to:

- ▶ Virtualize at scale, Manage cloud Infra and Service delivery models with a single click to achieve business-IT alignment

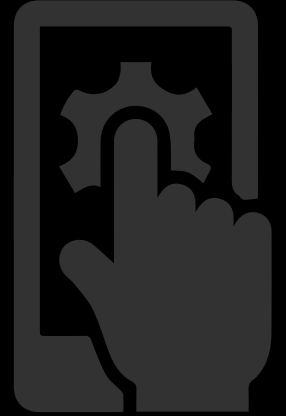
## CHALLENGES



Automate the setup of lambda box to reduce the time taken to set up the entire Hadoop cluster

## SOLUTION

- 1 Automation, Patching and Upgradation of MapR tools using Node Hopper and Python
- 2 Nodes configuration and roles assignment
- 3 Download all the remote libraries for MapR tools like Oozie, Hive, Spark etc
- 4 Implementing Puppet architecture throughout the nodes to install all MapR dependencies



## OUTCOMES

- > 50% Reduction in Hadoop cluster set-up time
- > SINGLE Click Infra Provisioning
- > 40% Improvement in Productivity



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