Hursley Hack;

IBM's first Graduate and UP Hackathon

Challenge 3: Social Insights
Department: Runtimes

#watson, #twitter, #sentiment

Details

There are over 250 people working in IBM Runtime Technologies who are instructed to be social. They have to blog, tweet and present. They have to talk about our tools, demo our capabilities and contribute to various communities. Currently, there is no way to manage social media output from the department or gain any feedback. We don't know how successful a blog article was, we don't know which people are most active in a certain community and we don't know where to post our content.

Using IBM Watson Sentiment Analysis API and social media API's, create a web application which satisfies the following requirements:

1) Analyse social media activity from at least two social places (Twitter, GitHub, StackOverflow..) that is relevant to IBM Runtime Technologies and display the content in the application. Analyse the following topics:

Node, nodejs performance, strongloop, express, node monitoring, appmetrics

2) IBM currently determines a social score for each IBMer using connections (https://cv01a089.w3-969.ibm.com/welcome). Using similar metrics (Activity, Reaction, Eminence and Network) determine social scores for each contributor per social place analysed in step 1). Use IBM Watson API to determine sentiment analysis for the 'Reaction' metric. Visualise the social scores to allow quick identification of the key contributors in a social place.

Details continued

3) Using the topics listed in 1) and the metrics listed in 2), determine and compare the social score for the following IBMers across multiple social places:

Michael Dawson - @mhdawson1
James Snell - @jasnell
Steve Wallin - @stevewallin
Chris Bailey - @Chris__Bailey
Sam Roberts - @octetcloud
Andy Watson - @AndyRWatson
Stewart Addison - @sxaTech
IBM Runtimes - @IBM_Runtimes

Business Grad/UP/Apprentice

Lead use case specifications for extending this tool beyond the initial brief. Document progress throughout the event and the final solution by creating blogs and tweets. This content will be reviewed and posted on IBM social media channels.