

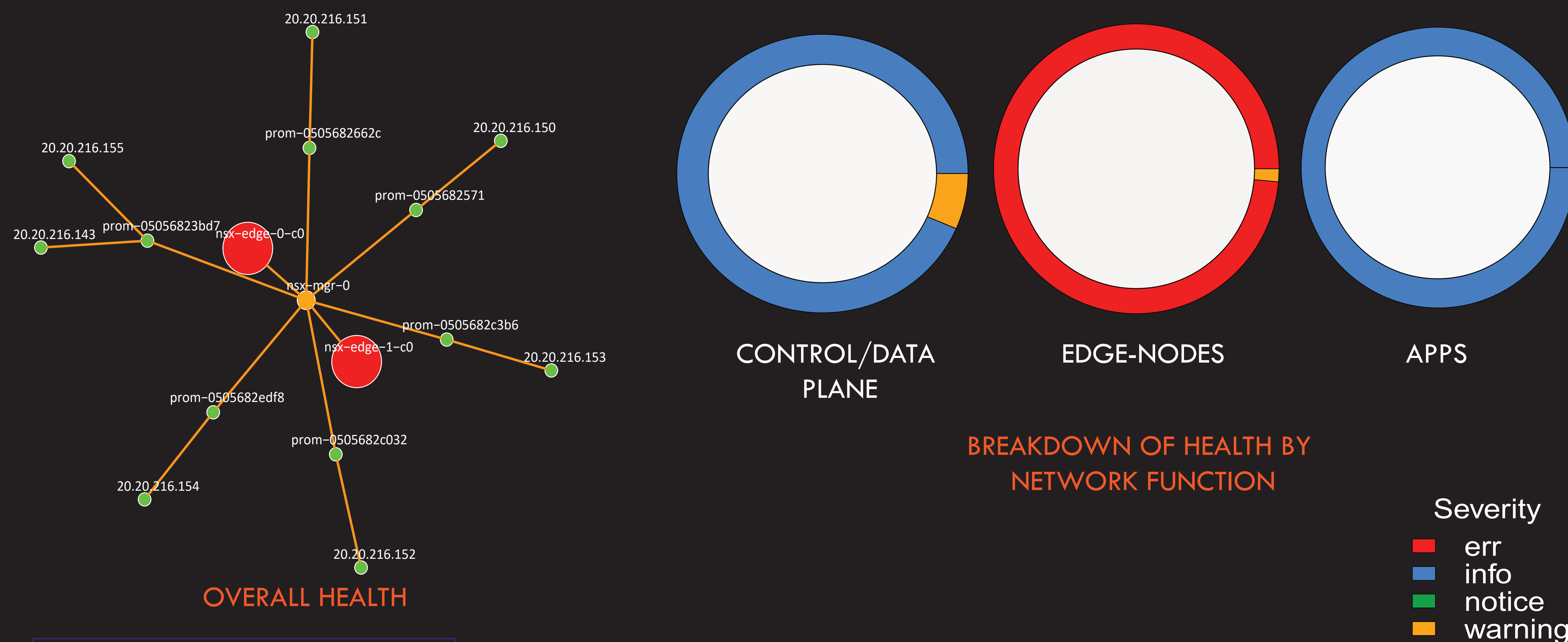
DEEP NETWORK VISUALIZATION

Visualizing network health for enterprise/cloud Ops

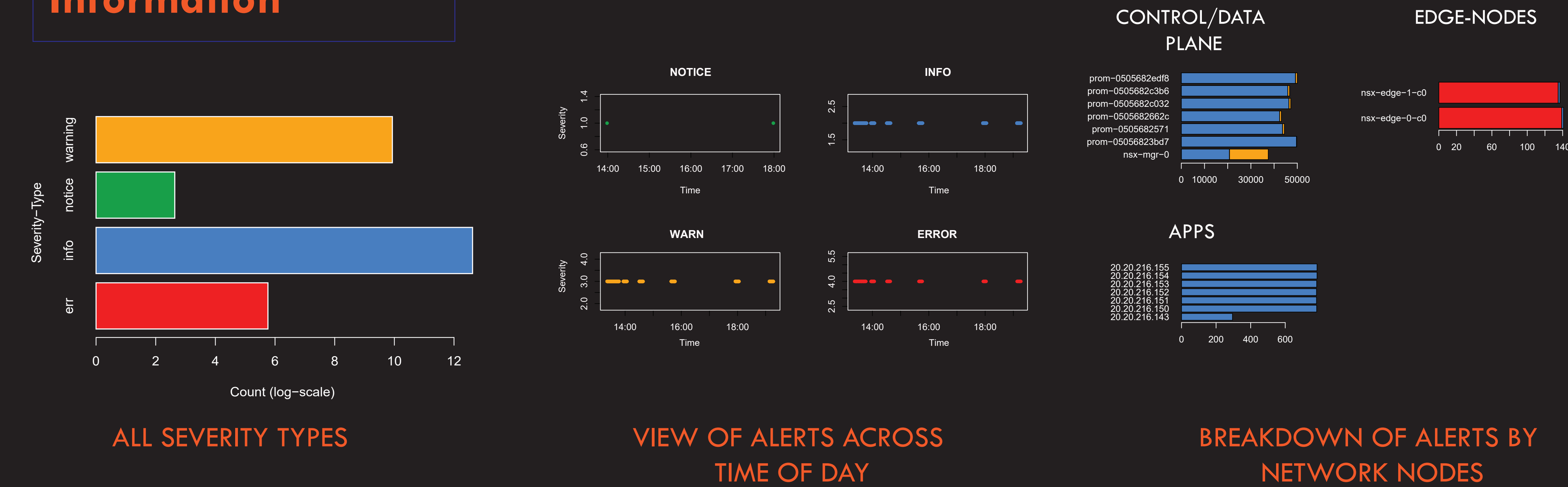
By Sharat Sripada IST-719 Spring 2022

Introduction and Health charts

- Network Nodes and software components emit anamoly and health metrics via logs. Using visualizations on unstructured data, an enterprise/cloud admin can answer the following questions:
- What is the health of the network?
 - Can I drill from a macro to micro view of the network?
 - What severities of error categories exist?
 - Is there a time of day where log volume/severities happen more?

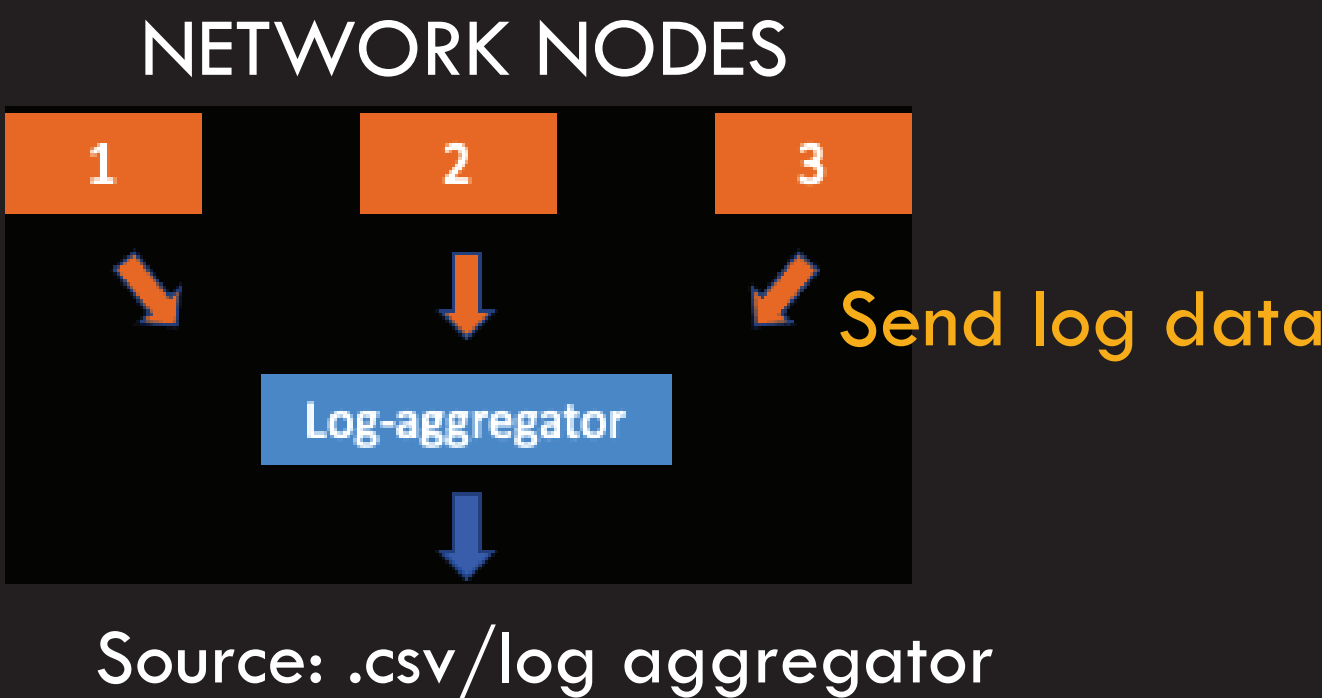


General Information



About the data

- Rows and columns: 323972 * 78
- Data was scrubbed for basic EDA and cleaned off long or repeating strings like node-names etc. for brevity in chart labels



Data was exported as .csv from a centralised log aggregator where all nodes send data in the form of unstructured logs