Our critical infrastructures are more connected due to advances in computing, sensing, and control systems. Consequently, infrastructure personnel manage more devices and data today than ever before. The trend is increasing at a faster rate. Traditional decision support tools cannot keep up, resulting in incomplete information, dated insights, and missed connections that can lead to delayed responses. There is a need for advanced tools that can aggregate structured, semi-structured, and unstructured data at a faster rate from traditional and non-traditional sources, and enable on-demand access to information, and real-time data-driven operational insights. This talk will discuss some of the next generation of decision support tools being developed at Oak Ridge National Laboratory.

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