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(54) COMPLEX IT PROCESS ANNOTATION, TRACING, ANALYSIS, AND SIMULATION

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Continuation of application No. 17/185,655, filed on Feb. 25, 2021, which is a continuation-in-part of application No. 17/035,029, filed on Sep. 28, 2020, now Pat. No. 11,546,380, which is a continuation-inpart of application No. 17/008,276, filed on Aug. 31, 2020, now Pat. No. 11,323,484, which is a continuation-in-part of application No. 17/000,504, filed on Aug. 24, 2020, now Pat. No. 11,477,245, which is a continuation-in-part of application No. 16/855,724, filed on Apr. 22, 2020, now Pat. No. 11,218,510, which is a continuation-in-part of application No. 16/836,717, filed on Mar. 31, 2020, now Pat. No. 10,917,428, which is a continuation-in-part of application No. 15/887,496, filed on Feb. 2, 2018, now Pat. No. 10,783,241, which is a continuation-in-part of application No. 15/823,285, filed on Nov. 27, 2017, now Pat. No. 10,740,096, which is a continuation-inpart of application No. 15/788,718, filed on Oct. 19, 2017, now Pat. No. 10,861,014, which is a continuation-in-part of application No. 15/788,002, filed on Oct. 19, 2017, now abandoned, which is a continuation-in-part of application No. 15/787,601, filed on Oct. 18, 2017, now Pat. No. 10,860,660, which is a continuation-in-part of application No. 15/616,427, filed on Jun. 7, 2017, now abandoned, which is a continuation-in-part of application No. 14/925,974, filed on Oct. 28, 2015, now abandoned, said application No. 15/887,496 is a continuation-in-part of application No. 15/818,733, filed on Nov. 20, 2017, now

Pat. No. 10,673,887, which is a continuation-in-part of application No. 15/725,274, filed on Oct. 4, 2017, now Pat. No. 10,609,079, which is a continuation-inpart of application No. 15/655,113, filed on Jul. 20, 2017, now Pat. No. 10,735,456, which is a continuation-in-part of application No. 15/616,427, filed on Jun. 7, 2017, now abandoned, which is a continuation-in-part of application No. 15/237,625, filed on Aug. 15, 2016, now Pat. No. 10,248,910, which is a continuation-in-part of application No. 15/206,195, filed on Jul. 8, 2016, now abandoned, which is a continuation-in-part of application No. 15/186,453, filed on Jun. 18, 2016, now abandoned, which is a continuation-in-part of application No. 15/166,158, filed on May 26, 2016, now abandoned, which is a of continuation-in-part application (Continued)

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(57)ABSTRACT

A system and method for complex IT process annotation and tracing, analysis, and simulation, comprising at least a generative simulation platform, optimization engine, and metric engine, which is able to model and simulate a variety of simulations and develop adaptive models, and can be used more specifically for IT/OT infrastructure and technology enabled process simulation to manage performance and risk in a network enabled business infrastructure, perform loadtesting and quality control tests, and determine the overall health to known attacks and potential interruptions as a system or network or process topography changes and

