

ABSTRACT

UTILIZING MACHINE LEARNING TO IDENTIFY AND CORRECT DIFFERENCES IN APPLICATION PROGRAMMING INTERFACE (API) SPECIFICATIONS

A device may receive API specifications associated with APIs, and may store the API specifications in a data structure. The device may process the API specifications to identify a system level set of API specifications that includes API specifications utilized by multiple systems, a release level set of API specifications that includes API specifications with different release dates, and a version level set of API specifications that includes API specifications with different versions. The device may process the system level set of API specifications, with a machine learning model, to determine system level differences in the system level set of API specifications, and may correct the system level set of API specifications, based on the system level differences, to generate a corrected system level set of API specifications. The device may cause the corrected system level set of API specifications to be implemented in the multiple systems.

Figure 1C