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(54) Title (EN): CUSTOMIZED NETWORK TRAFFIC MODELS TO DETECT APPLICATION ANOMALIES

(54) Title (FR): MODÈLES DE TRAFIC DE RÉSEAU PERSONNALISÉS POUR DÉTECTER DES ANOMALIES D'APPLICATION

(57) Abstract:

(EN): Systems, methods, and devices of the various aspects enable identification of anomalous application behavior. A computing device processor may detect network communication activity of an application on the computing device. The processor may identify one or more device states of the computing device, and one or more categories of the application. The processor may determine whether the application is behaving anomalously based on a correlation of the detected network communication activity of the application, the identified one or more device states of the computing device, and the identified one or more categories of the application.

(FR): Selon différents aspects, la présente invention concerne des systèmes, des procédés et des dispositifs qui permettent l'identification d'un comportement d'application anormal. Un processeur de dispositif informatique peut détecter une activité de communication de réseau d'une application sur le dispositif informatique. Le processeur peut identifier un ou plusieurs états de dispositif du dispositif informatique, et une ou plusieurs catégories de l'application. Le processeur peut déterminer si l'application se comporte ou non de manière anormale sur la base d'une corrélation de l'activité de communication de réseau détectée de l'application, du ou des états de dispositif identifiés du dispositif informatique, et de la ou des catégories identifiées de l'application.

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European Patent Office (EPO) : AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR

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Declarations:

Declaration made as applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate

Declaration made as applicant's entitlement, as at the international filing date, to claim the priority of the earlier application, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii))