Title (en)

METHOD FOR PATCHING A WINDOWS SYSTEM IN A SEMI-INTERRUPTION-FREE MANNER

Title (de)

VERFAHREN ZUM QUASI-UNTERBRUCHFREIEN PATCHEN VON EINEM WINDOWS-SYSTEM

Title (fr)

PROCÉDÉ POUR APPLIQUER DES CORRECTIFS À UN SYSTÈME WINDOWS D'UNE MANIÈRE SEMI-ININTERROMPUE

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Application

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Abstract (en)

[origin: WO2021197726A1] The invention relates to a method for patching a Windows system (WR), which is running a security-relevant application in particular, in a semi-interruption-free manner, having the steps of: a) setting up the Windows system (WR) which runs the application (ILTIS) in a productive instance (2) with a dedicated productive memory instance (6) and a passive instance (4) with a dedicated passive memory instance (8); b) installing the application (ILTIS) and optionally data required for running same on another application memory instance (10) and connecting the application memory instance (10) to the productive instance (4); c) providing the productive instance (2) and the passive instance (4) with a network card (12, 16 and 14, 18, respectively) for a productive network (20) and a passive network (22), the productive instance (2) being connected only to the productive network (20) and the passive instance (4) being connected only to the passive network (22), and d) patching the passive instance (4) with a new Windows version via the passive network (22), wherein: e) an external supervisor instance (iHME) is provided, by means of which the following steps are carried out in a user-controlled manner via a user surface dedicated to the supervisor instance (iHME): e1) the productive instance (2) and the passive instance (4) are deactivated after successfully installing the patch of the new Windows version; e2) the application memory instance (10) is reassigned from the productive instance (2) to the passive instance (4); e3) on the productive instance (2), the network card (12) for the productive network (20) is exchanged with the network card (14) for the passive network (22), and on the passive instance (4), the network card (18) for the passive network (22) is exchanged with the network card (16) for the productive network (20); and e4) after successfully concluding steps e1) to e3), the hitherto passive instance (4) is restarted as the productive instance (2), and the hitherto productive instance (2) is restarted as the passive instance (4).

IPC 8 full level

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