

عنوان مقاله:

A Version Numbering Scheme for Informational Objects Used in VM Live Migration

محل انتشار:

مجله پیشرفت در مهندسی کامپیوتر و فناوری، دوره 5، شماره 4 (سال: 1398)

تعداد صفحات اصل مقاله: 10

نویسندگان:

.Majid Tajamolian - *Computer Engineering Department, Yazd University, Yazd, Iran*

.Mohammad Ghasemzadeh - *Computer Engineering Department, Yazd University, Yazd, Iran*

خلاصه مقاله:

Various numbering schemes are used to track different versions and revisions of files, software packages, and documents. One major challenge in this regard is the lack of an all-purpose, adaptive, comprehensive and efficient standard. To resolve the challenge, this article presents Quadruple Adaptive Version Numbering Scheme. In the proposed scheme, the version identifier consists of four integers. These four numbers from Left to Right are called: Release Sequence Number , Generation Number , Features List Number , and Corrections List Number respectively. In the article, special values are given for the quadruple numbers and their meanings are described. QAVNS is an Adaptive scheme; this means that it has the capability to track the different versions and revisions of files, software packages, project output documents, design documents, rules, manuals, style sheets, drawings, graphics, administrative and legal documents, and the other types of Informational Objects in different environments, without alterations in its structure. The proposed scheme has the capability to monitor changes in the types of informational objects, such as virtual machine memory, in the live migration process. The experimental and analytical results indicate the desirability and effectiveness of the proposed scheme in satisfying the desired expectations. The proposed scheme can become a common standard and successfully applied in all academic, engineering, administrative, legislative, legal, manufacturing, industrial, operational, software development, documentary, and other environments. The standardization of this scheme and its widespread usage can be a great help in improving everyone's understanding of the numbering of versions & revisions.

کلمات کلیدی:

Quadruple Adaptive Version Numbering Scheme, Informational Object, Virtual Machine Memory, Virtual Machines Live Migration

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/966297>

