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| Nº línea |  |
| 1 | **Software Release Patterns: When is it a good time to update a software** |
| 2 | **component**? |
| 3 | **Abstract** |
| 4 | Over the past decade the industry 4.0 witnessed a trend towards an increasing |
| 5 | number of software components, dependencies towards third party software |
| 6 | components, and software component release cycles. Industry 4.0 teams building |
| 7 | software products. are more frequently impacted by third party software component |
| 8 | updates. Due to this dependency, updating a single third party software component |
| 9 | can break an entire software product. Reasons include parallel conflicting updates of |
| 10 | third party software components, updating to an unstable version, or updating to a |
| 11 | major stable version without an impact analysis. The objective of this paper is to |
| 12  13 | reduce the risk of breaking updates by reviewing software release patterns and  proposing update scheduling recommendations. |
| 14 | **Abstract** |
| 16 | **Keywords :**Software Updates, Software Dependencies, Software Release Schedule. |
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| **Línea** | **SNEE en LE (base)** | **SNEE en L1 (meta)** |
| **4** | Over the past decade the industry 4.0 witnessed a trend towards an increasing | Durante la última década, la industria 4.0 fue testigo de una tendencia hacia un aumento |
| **5** | number of software components, dependencies towards third party software | número de componentes de software, dependencias hacia software de terceros |
| **6** | components, and software component release cycles. Industry 4.0 teams building | componentes y ciclos de lanzamiento de componentes de software. Creación de equipos de Industria 4.0 |
| **7** | software products. are more frequently impacted by third party software component | productos de software. Se ven afectados con más frecuencia por componentes de software de terceros |
| **8** | updates. Due to this dependency, updating a single third party software component | actualizaciones. Debido a esta dependencia, la actualización de un solo componente de software de terceros |
| **9** | can break an entire software product. Reasons include parallel conflicting updates of | puede romper un producto de software completo. Las razones incluyen actualizaciones contradictorias paralelas de |
| **10** | third party software components, updating to an unstable version, or updating to a | componentes de software de terceros, actualización a una versión inestable o actualización a una |
| **11** | major stable version without an impact analysis. The objective of this paper is to | versión principal estable sin un análisis de impacto. El objetivo de este trabajo es |
| **12** | reduce the risk of breaking updates by reviewing software release patterns and | Reduzca el riesgo de interrumpir las actualizaciones revisando los patrones de lanzamiento de software y |
| **13** | proposing update scheduling recommendations | proponiendo recomendaciones de programación de actualizaciones |

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