Aursec

A blockchain aproach to securing software packages

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Contents

List of Figures

List of Tables

1 Introduction

The linux distribution Arch has one of the most active communities. This is the reason why there was the need for a place, where users could upload their own packages in a repository. ftp://ftp.archlinux.org/income was born. But the packages where not available for other users till a Package Maintainer atopted them. The progression were the Trusted User Repositories, where some users where allowed to host their own repositories for anyone to use. On this base the AUR (Arch User Repository) was evolved. Everybody is allowed to upload packages, without any checks, to the AUR and everyone may download them. But the big usability has a disadvantage: security. [1]

2 The problem

3 The solution

3.1 Core solution

3.2 Detailed description

3.3 Additional things

3.4 Project management

4 What we learned

5 Evaluation

References

[1] ArchWiki. Arch User Repository — Arch Wiki. https://wiki.archlinux.de/title/
Arch_User_Repository, 2017. [Online; accessed 17-March-2017].