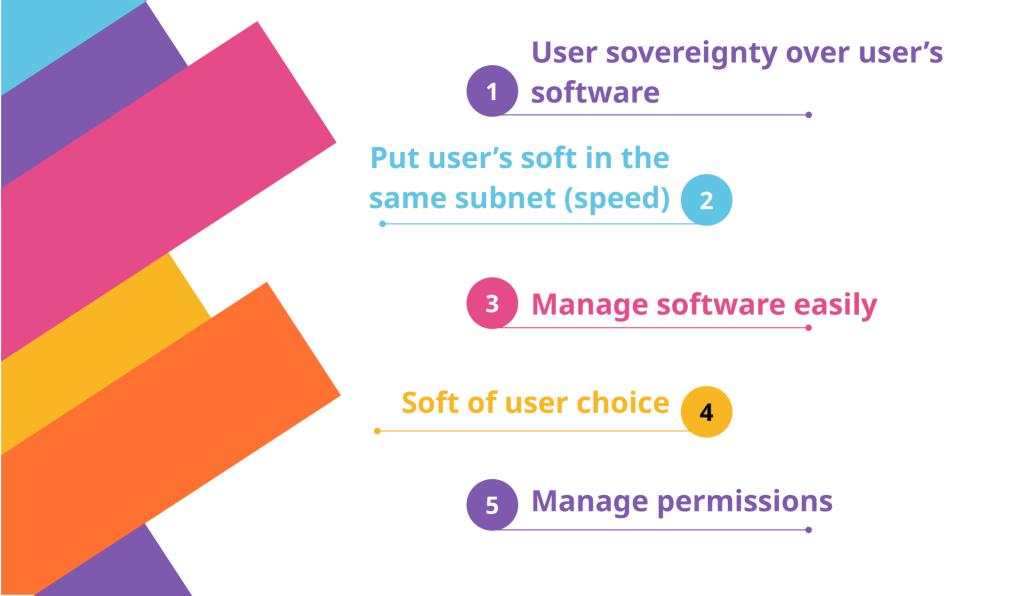
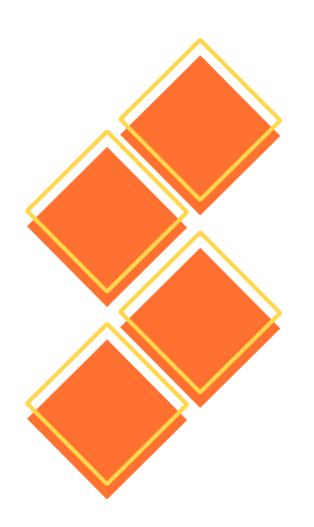
Package Manager for ICP

Install software in ICP to use it in a user's subnet.

OS for ICP







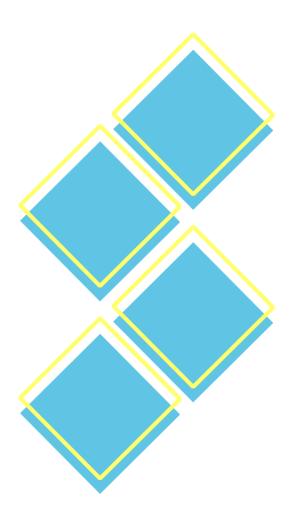
1

Install Software

Copying the software to user's own subnet instead of simply use it online from the developer's subnet. Installed software is owned by the user, not the dev or DAO.

2 Fast

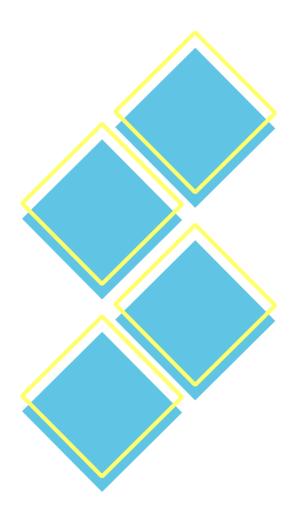
Putting all user's software in the same subnet can much increase the speed.





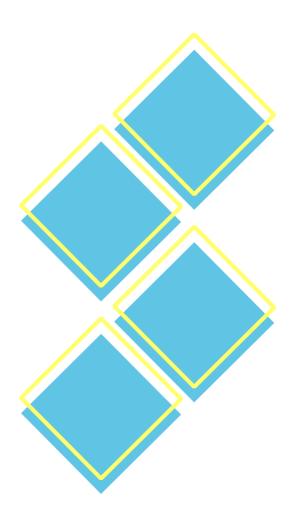
Convinient

We provide a package manager to manage the software easily.



4 Choice

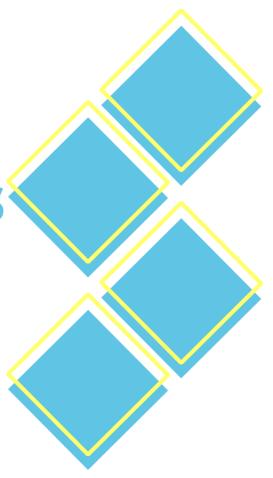
The user may be provided choice between several software packages for a "function" (usage), such as several email clients.





Permissions

Like as in Android, user has choice over permissions to give.





Suport for multiple repos (DAOs), multiple installs, and multiple subnets

Unlike Linux distros, you can install from multiple repositories.

Blackholed?

We lay aside blackholing package manager or its parts for the future, when we will have more knowledge.



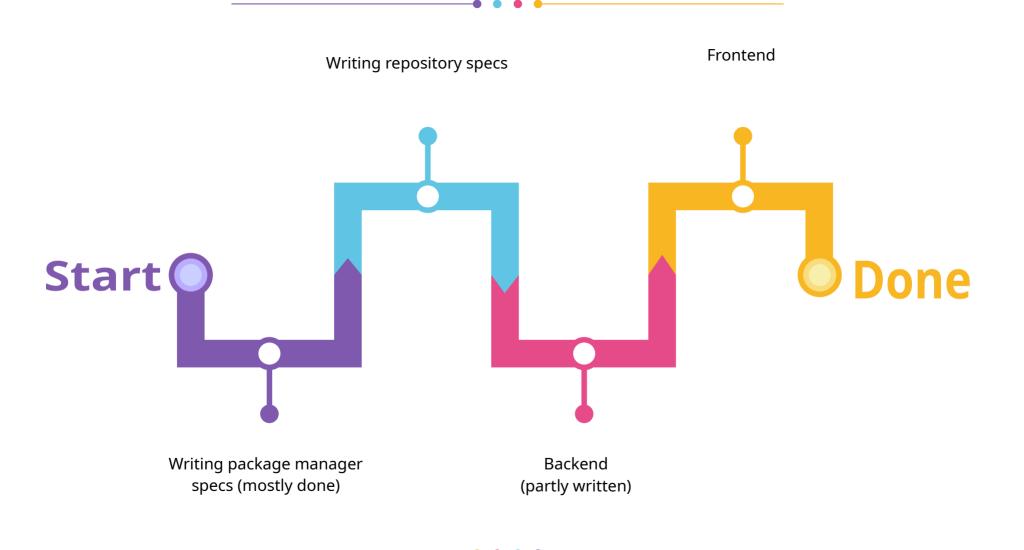
Permissions

Android-like permissions.



Support big repos

Nearly no limit for repository size.



We can have as big success as of Linux.

But unlike Linux we can have

"tax" on users.



Work by: Falia Vicky

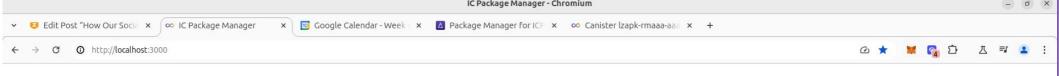
Scenario 1: 1B users, each installs 100 apps with 3 modules each, \$2 paid in gas, our 1% tax = \$6B revenue

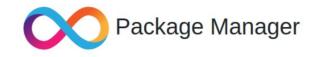
Scenario 2: 10K corporate
AI users, each spends
\$10000 on running AI, our
1% tax = \$1M revenue

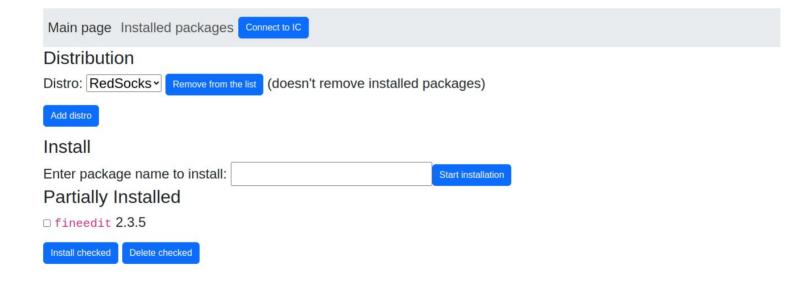


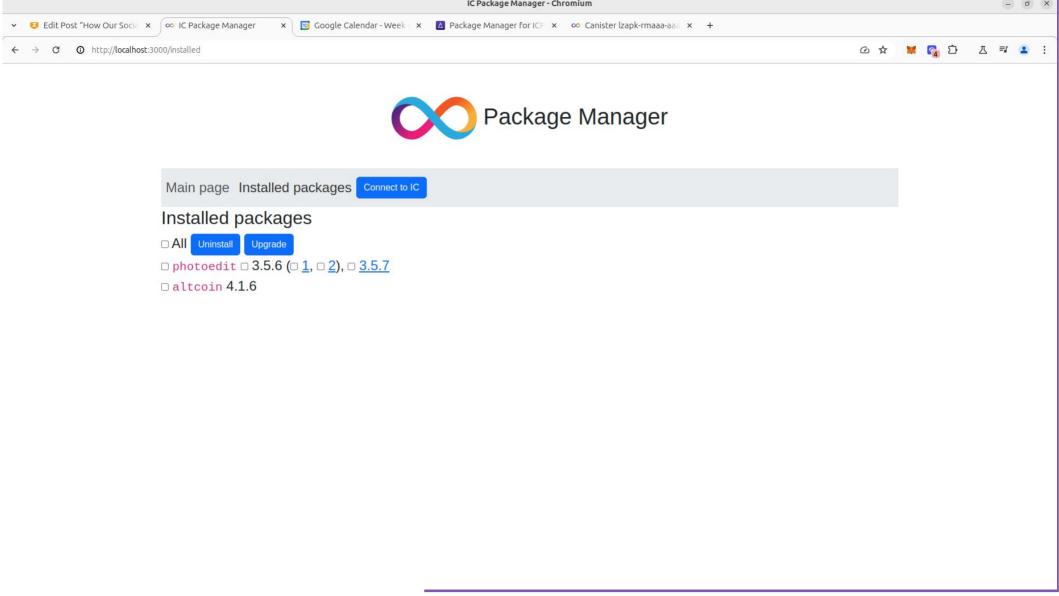
Work by: Falia Vicky

- 2024-07-10 15:13:24.630970819 UTC: [Canister bw4dl-smaaa-aaaaa-qaacq-cai] Creating a distro repository... 2024-07-10 15:13:27.258747705 UTC: [Canister ajuq4-ruaaa-aaaaa-qaaga-cai] creating new storage canister with pk=main 2024-07-10 15:13:31.208109583 UTC: [Canister ajuq4-ruaaa-aaaaa-qaaga-cai] new storage canisterId=aovwi-4maaa-aaaaa-qaagq-cai 2024-07-10 15:13:31.208109583 UTC: [Canister ajuq4-ruaaa-aaaaa-qaaga-cai] creating new storage canister with
- pk=wasms 2024-07-10 15:13:35.180839589 UTC: [Canister ajuq4-ruaaa-aaaaa-qaaga-cai] new storage canisterId=ahw5u-keaaa-aaaaa-gaaha-cai
- 2024-07-10 15:13:35.180839589 UTC: [Canister bw4dl-smaaa-aaaaa-qaacq-cai] Uploading WASM code... 2024-07-10 15:13:35.180839589 UTC: [Canister bw4dl-smaaa-aaaaa-qaacq-cai] Uploading package and versions
- description...
- 2024-07-10 15:13:35.180839589 UTC: [Canister bw4dl-smaaa-aaaaa-qaacq-cai] Installing the ICP Package manager... 2024-07-10 15:13:37.822419090 UTC: [Canister bw4dl-smaaa-aaaaa-qaacq-cai] Using the PM to install 'counter'
- package...
- 2024-07-10 15:13:40.471292265 UTC: [Canister bw4dl-smaaa-aaaaa-qaacq-cai] Getting package info... 2024-07-10 15:13:40.471292265 UTC: [Canister bw4dl-smaaa-aaaaa-gaacg-cai] Running the 'counter' software...
- 2024-07-10 15:13:40.471292265 UTC: [Canister bw4dl-smaaa-aaaaa-qaacq-cai] Counter is equal to 1...
- 2024-07-10 15:13:40.471292265 UTC: [Canister bw4dl-smaaa-aaaaa-qaacq-cai] COUNTER: 1











THANK YOU

Victor Porton, the mathematician who discovered ordered semigroup actions

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BIDADARI GIMPSCAPE