Homebrew Introduction

- Homebrew is a free and opensource package manager for Unin like OS

- Using homebrew, we can install command line whilities as well as GUI applications

- On its official website it is written that it is a mussing package manager for much brum os. It is popular jer mac.

What is a package?

- collection of software files which get onstalled at the same time

- any command bru willy is a puckage

- En: We want to me tall git, then first

I would down load the puckage for git and then we install that, so, that puckage contains all the software files which are for proper functioning of git:

Florne brew Importance: Why was it keg uned - Allunin bosed 05 have their built-m pockage managers for metalling applications En: Ubuntu has APT, Red hat nterpris has YUM - Mac OS, also based on Unix just has app store, which is braited to UI based applications.

Homebrew is a life sover here
because through this we can inteall
command line whites (CLU).

What Joes Home brew gives us?

-> Easy application installation

Complete installation steps in traditional way

Homebrew abstricts the metallation completely:
only one command brew metall capp-name>

Home brew Termino logics

· Paulcage · Prepon · Cellar · Formulae · Cask · Bottle · Tap · Keg · Keg-only - Rack

Package:

Package:

Package:

Johnnehrew world we can call a complete

Software as a pulcage

Directory on system, which contains things related to homebrew . usr/local (Intel MAC)

· usr/local (Intel MAC) · opt/homebrew (Silicon Mac)

(2) Celler

- location in our system where brew installs

all the applications

if is also of ile opt/homebrew/cellar B Formulae · Formulae is a ruby script which defines the package - The formule file contains the installation of that particular application & other related information - Location y the for ball, from where the padcage will be download - Dependencies of the podleage - How to mstall · Formulae: The command line utilities/softwork

(5)	CasK
	Cock are like formula but they get ms telled in /Applications directory instead of opt/homebrow, cellor. It is for GUI based applications, while formula is for command line whities Ruby files contain definition of homebrew Ruby files contain definition of homebrew pourage, which installs macos native application.
	Bottle As we know formula is a Ruby script that has instructions to metall a particular piece of coffware. It contains instructions for fetching the software source code, configuring it, compiling it, installing it managing its dependencies. 2 111 - 10 200-2000 piled version of homebrew
	Bottles are pre-compiled version of homebrew formula. They arm to reduce the time & resources required to metall packages by providing pre-but branies

· They are also stored on opt/home brow/cellar

Remote git repositories from where brew downloads and metalls the applications for: homebrew / homebrew - core for formulae homebrew / homebrew -cask for consks

. We can instell applications from third potty repositories also

Librew tap agreet/tap

Formulae	(2)	
Feature	Formulae	Cask
Package Type	To install command line utilities.	To install GUI applications / MacOS native applications.
Installation Location	They get installed at location: opt/homebrew/Cellar	They get installed in /Applications folder.
Github Location	https://github.com/Homebrew/homebrew-core/tree/master/Formula	https://github.com/Homebrew/homebrew-cask/tree/master/Casks
Project Name	Homebrew-core	Homebrew-cask
Examples	tree, gedit, git, php, python, rabbitmq, sqlite etc.	atom, firefox, google-chrome, google-drive, postman etc.

low to install applications using brew? > We just need to remember one command install anything using home brew · brew mstall <app-name> is cas K/GUI · brew install -- cask < app-name> I installing from another top? -) add tap to brew as brew tap tapnamy/ky, or it will go to the github repo and add the -) if will be cloned at hibrary/taps/tapname En: to add mongodb/brew

brew tap mongodb/tap

brew metall mongodb-community

Inderstanding bm, lib files for

'getternt' application

- This application contains bm, lib, mclude
- So corresponding j; (e will be in all three places
- Also, symbols would be present for all 3

J them opt/homebrew/bm

· opt/homebrew/lib

. opt/homebrev/include