

Laborbericht - NVS1 - 5CHIF

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HW-Beschreibung: Am NVS-Projekt Weiterarbeiten

Ziel: Dokumentation des Arbeitsfortschritts

Battleship 1

Wir haben uns für die Umsetzung des Projekts auf die Nutzung von [Meteor](#), ein Javascript Framework, geeinigt. Um mit der Entwicklung beginnen zu können, müssen dafür erstmal die dafür notwendigen Pakete installiert werden.

Installation der benötigten Software (Arch Linux)

Folgende Pakete aus dem Arch Linux Packet Manager [pacman](#) werden zur installation benötigt:

- [mongodb](#)
- [nodejs](#)

Zusätzlich wird aus dem AUR ([Arch User Repository](#)) das Paket [meteor-js](#) installiert.

Installation der Software

Installation der Pakete aus pacman

```
sudo pacman -S mongodb nodejs
```

Manuelle installation von meteor-js aus dem Arch User Repository

```
wget https://aur.archlinux.org/cgit/aur.git/snapshot/meteor-js.tar.gz
```

```
tar -xvf meteor-js.tar.gz
```

```
cd meteor-js
```

```
makepkg -sri
```

Durchführung

```

bujuhu ~/Downloads sudo pacman -S mongodb nodejs
warning: nodejs-6.6.0-1 is up to date -- reinstalling
resolving dependencies...
looking for conflicting packages...

Packages (5) gperftools-2.5-1 wiretiger-2.8.0.20160726-1 yaml-cpp-0.5.3-1 mongodb-3.2.9-2 nodejs-6.6.0-1

Total Download Size:    30.79 MiB
Total Installed Size:  124.92 MiB
Net Upgrade Size:       109.62 MiB

:: Proceed with installation? [Y/n] Y
:: Retrieving packages...
gperftools-2.5-1-x86_64                557.9 KiB  2.21M/s  00:00 [#####] 100%
yaml-cpp-0.5.3-1-x86_64              173.2 KiB  2.64M/s  00:00 [#####] 100%
wiretiger-2.8.0.20160726-1-x86_64    601.8 KiB  2.56M/s  00:00 [#####] 100%
mongodb-3.2.9-2-x86_64               29.5 MiB  2.45M/s  00:12 [#####] 100%
(5/5) checking keys in keyring [#####] 100%
(5/5) checking package integrity [#####] 100%
(5/5) loading package files [#####] 100%
(5/5) checking for file conflicts [#####] 100%
(5/5) checking available disk space [#####] 100%
:: Processing package changes...
(1/5) installing yaml-cpp [#####] 100%
(2/5) installing gperftools [#####] 100%
Optional dependencies for gperftools
  graphviz: pprof graph generation
  gv: pprof postscript generation
(3/5) installing wiretiger [#####] 100%
(4/5) installing mongodb [#####] 100%
Optional dependencies for mongodb
  libpcap: needed for mongosniff [installed]
  mongodb-tools: mongoimport, mongodump, mongotop, etc
(5/5) reinstalling nodejs [#####] 100%
bujuhu ~/Downloads █

```

Die Installation der Pakete aus dem Packet Manager war Erfolgreich

```

bujuhu ~/Downloads wget https://aur.archlinux.org/cgit/aur.git/snapshot/meteor-js.tar.gz
tar -xvf meteor-js.tar.gz
cd meteor-js
makepkg -sri

tar -xvf meteor-js.tar.gz
cd meteor-js
makepkg -sri--2016-09-27 16:20:25-- https://aur.archlinux.org/cgit/aur.git/snapshot/meteor-js.tar.gz
Resolving aur.archlinux.org (aur.archlinux.org)... 5.9.250.164, 2a01:4f8:160:3033::2
Connecting to aur.archlinux.org (aur.archlinux.org)|5.9.250.164|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [application/x-gzip]
Saving to: 'meteor-js.tar.gz.1'

meteor-js.tar.gz.1                                [ <=>

2016-09-27 16:20:25 (47.8 MB/s) - 'meteor-js.tar.gz.1' saved [1298]

meteor-js/
meteor-js/.SRCINFO
meteor-js/.gitignore
meteor-js/PKGBUILD
==> Making package: meteor-js 1.4.0.1-1 (Tue Sep 27 16:20:26 CEST 2016)
==> Checking runtime dependencies...
==> Checking buildtime dependencies...
==> Retrieving sources...
-> Downloading meteor-bootstrap-os.linux.x86_64.tar.gz...
% Total    % Received % Xferd Average Speed   Time    Time     Time  Current
           Dload  Upload   Total   Spent    Left  Speed
100  148M  100  148M    0     0  2058k      0  0:01:13  0:01:13 --:--:-- 1600k
==> Validating source_x86_64 files with md5sums...
meteor-bootstrap-os.linux.x86_64.tar.gz ... Passed
==> Extracting sources...
-> Extracting meteor-bootstrap-os.linux.x86_64.tar.gz with bsdtar
==> Entering fakeroot environment...
==> Starting package()...
==> Tidying install...
-> Removing libtool files...
-> Purging unwanted files...
-> Removing static library files...
-> Compressing man and info pages...
==> Checking for packaging issue...
==> Creating package "meteor-js"...
-> Generating .PKGINFO file...
-> Generating .BUILDINFO file...
-> Generating .MTREE file...
-> Compressing package...
^C
==> ERROR: Aborted by user! Exiting...

```

Die Installation aus dem AUR hat sich beim Schritt “Compressing Package” aufgehangen und wurde manuell abgebrochen

Auf dem Computer werden mittelsudo pacman -Syu alle verfügbaren Softwareupdates installiert um das Fehlerpotential zu minimieren. Der Computer wird neugestartet. Danach wird die Installation wiederholt

```
-> Compressing package...
==> Leaving fakeroot environment.
==> Finished making: meteor-js 1.4.0.1-1 (Tue Sep 27 16:42:12 CEST 2016)
==> Installing package meteor-js with pacman -U...
[sudo] password for bujuhu:
loading packages...
resolving dependencies...
looking for conflicting packages...

Packages (1) meteor-js-1.4.0.1-1

Total Installed Size: 575.66 MiB

:: Proceed with installation? [Y/n] Y
(1/1) checking keys in keyring [#####] 100%
(1/1) checking package integrity [#####] 100%
(1/1) loading package files [#####] 100%
(1/1) checking for file conflicts [#####] 100%
(1/1) checking available disk space [#####] 100%
:: Processing package changes...
(1/1) installing meteor-js [#####] 100%
warning: directory permissions differ on /home/bujuhu/
filesystem: 700 package: 755
bujuhu ~/Downloads/meteor-js
```

Die Installation war Erfolgreich

http://nvs.schreib.at/reports/5CHIF_20160927_Schreib/