

home-manager

2021-05-24

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- in einem einheitlichen Format wären

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- und man jederzeit zwischen Revisionen wechseln könnte?

aka was wenn nixos aber für user

Man nehme:

1. Ein ~/.config/nixpkgs/home.nix

```
1 { config, pkgs, lib, ... }:  
2 {  
3     programs.home-manager.enable = true;  
4     home.username = "glyph";  
5     home.homeDirectory = "/home/glyph";  
6 }
```

2. Ein Programm

```
1 { config, pkgs, lib, ... }:  
2 {  
3     # ...  
4     programs = {  
5         git = {  
6             enable = true;  
7             userName = "glyph";  
8             userEmail = "mail@strangegly.ph"  
9         };  
10    };  
11 }
```

2. Ein Programm (auch aus anderen Dateien)

```
1 { config, pkgs, lib, ... }:  
2 {  
3     # ...  
4     programs = {  
5         termite = import ./dotfiles/termite.nix { inherit pkgs; };  
6     };  
7 }
```


3. Einen Window Manager

```
1 { config, pkgs, lib, ... }:  
2 {  
3     # ...  
4     xsession.windowManager.i3 = {  
5         enable = true;  
6         config = import ./dotfiles/i3.nix { inherit pkgs; };  
7         extraConfig = 'exec i3-msg workspace 1';  
8     };  
9 }
```

4. Services

```
1 { config, pkgs, lib, ... }:  
2 {  
3     # ...  
4     services = {  
5         gpg-agent = {  
6             enable = true;  
7             enableSshSupport = true;  
8         };  
9     };  
10 }
```

Neue Config bauen

```
1 > home-manager switch
2 these derivations will be built:
3   ...
4 building '/nix/store/5sdzrwjzxhvz2y6nfqdirr7x5q0vbwyz-home-m
5   anager-generation.drv'...
6 /nix/store/38f5b8lnd7k05dqivlvp8947yksm3xl9-home-manager-gen
7   eration
8 Starting home-manager activation
9   ...
10 Creating profile generation 11
11 Creating home file links in /home/glyph
```

Alles ist Symlinks

```
1 > ls -l ~/.config/git
2 lrwxrwxrwx 81 glyph 23 May 18:29 config -> /nix/store/...-ho
3 me-manager-files/.config/git/config
```

Alles ist Symlinks

```
1 > ls -l ~/.config/git
2 lrwxrwxrwx 81 glyph 23 May 18:29 config -> /nix/store/...-home-manager-files/.config/git/config
3
4 > ls -l /nix/store/...-home-manager-files/.config/git/config
5 lrwxrwxrwx 56 root 1 Jan 1970 /nix/store/...-home-manager-files/.config/git/config -> /nix/store/...-hm_gitconfig
6
```

Alles ist Symlinks

```
1 > ls -l ~/.config/git
2 lrwxrwxrwx 81 glyph 23 May 18:29 config -> /nix/store/...-ho
3 me-manager-files/.config/git/config
4 > ls -l /nix/store/...-home-manager-files/.config/git/config
5 lrwxrwxrwx 56 root 1 Jan 1970 /nix/store/...-home-manager-
6 files/.config/git/config -> /nix/store/...-hm_gitconfig
7 > ls -l /nix/store/...-hm_gitconfig
8 .r--r--r-- 53 root 1 Jan 1970 /nix/store/...-hm_gitconfig
```

```
1 > home-manager generations
2 2021-05-10 16:46 : id 11 -> /nix/store/38f5b8lnd7k05dqivlvp8
3   947yksm3xl9-home-manager-generation
4 2021-05-10 16:43 : id 10 -> /nix/store/60n4i3wgvf351fkygvm4s
5   ivkqpms9kkb-home-manager-generation
6 2021-05-05 15:53 : id 9 -> /nix/store/67s3ys0ddac5l0g73gvawg
7   kz55yzyw0k9-home-manager-generation
8 ...
```

```
1 > /nix/store/...-home-manager-generation/activate
2 Starting home-manager activation
3 ...
4 Creating profile generation 12
5 Creating home file links in /home/glyph
```


Problem: Alles ist Read-Only

```
1 { config, pkgs, lib, ... }:  
2 {  
3     # ...  
4     home.file = {  
5         ".emacs.d" = {  
6             source = pkgs.fetchFromGitHub {  
7                 owner = "syl20bnr";  
8                 repo = "spacemacs";  
9                 rev = "...";  
10                sha256 = "...";  
11            };  
12        };  
13    };  
14 }
```

Problem: Alles ist Read-Only

```
1 > ls -al ~/.emacs.d
2 lrwxrwxrwx   76 glyph 23 May 19:20 .emacs.d -> /nix/store/
3   ...-home-manager-files/.emacs.d
4 > ls -al ~/.emacs.d/
5 ...
6 dr-xr-xr-x   13 root  4096 Jan  1  1970 .
7 .r--r--r--  3.2k root    1 Jan  1970 init.el
8 dr-xr-xr-x    - root    1 Jan  1970 layers
9 ...
```

Problem: Alles ist Read-Only

```
1 { config, pkgs, lib, ... }:  
2 {  
3     # ...  
4     home.file = {  
5         ".emacs.d" = {  
6             recursive = true;  
7             source = pkgs.fetchFromGitHub {  
8                 owner = "syl20bnr";  
9                 repo = "spacemacs";  
10                rev = "...";  
11                sha256 = "...";  
12            };  
13        };  
14    };  
15 }
```

Problem: Alles ist Read-Only

```
1 > ls -al ~
2 ...
3 drwxr-xr-x    - glyph 23 May 19:20 .emacs.d
4 ...
5 > ls -l ~/.emacs.d
6 ...
7 lrwxrwxrwx 79 glyph 23 May 19:20 init.el -> /nix/store/...-
8   home-manager-files/.emacs.d/init.el
9 drwxr-xr-x  - glyph 23 May 19:20 layers
10 ...
```

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 - Hilft nix...